

**TABLE 56**  
**Median annual salaries of U.S. residing full-time employed doctoral scientists and engineers, by sector of employment, broad field of doctorate, ethnicity, and race: 2019**

(Dollars)

Employment sector and field of study	All full-time employed		Hispanic or Latino <sup>a</sup>		Not Hispanic or Latino <sup>b</sup>									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race <sup>c</sup>	
	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE
All sectors	119,000	1,000	102,000	2,000	99,000	4,500	125,000	1,500	100,000	2,000	117,000	1,500	109,000	3,500
Science	110,000	500	100,000	500	94,000	3,000	120,000	2,000	95,000	2,000	110,000	500	103,000	3,500
Biological, agricultural, and environmental life sciences	110,000	1,500	96,000	4,500	94,000	6,000	110,000	1,000	100,000	2,000	110,000	500	96,000	6,500
Computer and information sciences	150,000	3,000	135,000	5,000	D	D	160,000	3,000	108,000	4,000	150,000	2,000	151,000	19,000
Mathematics and statistics	114,000	3,500	100,000	11,500	D	D	124,000	6,500	97,000	9,500	108,000	3,500	102,000	15,000
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	120,000	500	102,000	5,000	102,000	15,500	119,000	2,500	95,000	3,000	120,000	2,000	109,000	5,500
Psychology	101,000	1,500	99,000	3,000	100,000	8,000	98,000	3,000	93,000	4,000	103,000	1,500	101,000	7,000
Social sciences	101,000	2,000	95,000	4,000	83,000	10,000	110,000	3,000	92,000	2,000	103,000	2,500	96,000	7,000
Engineering	137,000	2,000	120,000	4,500	140,000	13,500	139,000	2,500	116,000	5,500	140,000	2,000	137,000	9,500
Health	110,000	1,500	99,000	5,000	93,000	10,000	110,000	5,000	100,000	2,000	113,000	3,500	100,000	19,000
4-year educational institution <sup>d</sup>	95,000	500	88,000	1,500	89,000	4,000	90,000	500	89,000	1,500	98,000	1,000	88,000	2,000
Science	92,000	1,000	86,000	2,500	83,000	8,000	88,000	2,500	87,000	2,000	95,000	500	86,000	2,000
Biological, agricultural, and environmental life sciences	90,000	500	81,000	3,000	91,000	5,000	80,000	2,000	86,000	3,000	93,000	2,000	80,000	3,500
Computer and information sciences	109,000	3,500	100,000	15,500	D	D	100,000	5,500	91,000	14,000	111,000	3,000	141,000	44,000
Mathematics and statistics	90,000	1,000	95,000	8,000	D	D	89,000	3,000	79,000	5,500	90,000	1,000	101,000	16,500
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	90,000	500	80,000	2,500	D	D	80,000	3,000	80,000	6,500	93,000	2,000	79,000	2,500
Psychology	92,000	2,000	86,000	4,000	D	D	85,000	3,000	88,000	2,500	95,000	2,000	88,000	4,000
Social sciences	95,000	500	89,000	1,500	73,000	11,000	95,000	2,000	88,000	3,000	97,000	2,000	91,000	7,500
Engineering	108,000	2,000	95,000	4,000	D	D	100,000	3,500	100,000	4,500	111,000	2,500	90,000	9,500
Health	97,000	3,000	83,000	4,000	D	D	89,000	5,000	90,000	4,000	100,000	3,000	92,000	9,500
Other educational institution <sup>e</sup>	76,000	1,500	76,000	4,000	67,000	6,500	73,000	7,500	78,000	3,500	76,000	2,000	76,000	3,500
Science	77,000	1,500	76,000	5,000	67,000	6,500	78,000	7,000	78,000	3,500	77,000	2,000	76,000	4,000
Biological, agricultural, and environmental life sciences	73,000	3,000	74,000	8,000	D	D	61,000	11,500	61,000	4,500	74,000	2,500	83,000	8,500
Computer and information sciences	72,000	7,500	D	D	D	D	D	D	*	*	70,000	5,500	D	D
Mathematics and statistics	76,000	4,500	62,000	6,000	D	D	83,000	13,000	D	D	72,000	4,500	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	70,000	2,500	73,000	9,000	D	D	67,000	5,000	62,000	6,500	72,000	2,500	D	D
Psychology	88,000	3,000	85,000	7,500	S	S	98,000	11,000	88,000	5,000	88,000	3,500	76,000	10,000
Social sciences	77,000	2,000	74,000	5,000	D	D	89,000	23,500	76,000	7,500	76,000	3,000	79,000	6,500
Engineering	63,000	8,000	77,000	24,500	D	D	60,000	14,500	61,000	13,000	60,000	9,000	D	D
Health	80,000	8,000	D	D	D	D	D	D	99,000	14,000	82,000	8,000	D	D
Private, for profit <sup>f</sup>	150,000	500	134,000	4,000	126,000	17,500	149,000	500	124,000	4,000	150,000	500	145,000	7,500
Science	145,000	1,000	130,000	4,000	118,000	10,000	146,000	4,000	119,000	1,500	150,000	2,500	139,000	8,000
Biological, agricultural, and environmental life sciences	137,000	3,000	128,000	6,000	D	D	132,000	3,500	119,000	1,500	144,000	4,000	135,000	11,500

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(Dollars)

Employment sector and field of study	All full-time employed		Hispanic or Latino <sup>a</sup>		Not Hispanic or Latino <sup>b</sup>									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race <sup>c</sup>	
	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE
Computer and information sciences	180,000	2,000	161,000	16,500	D	D	185,000	7,500	175,000	25,500	179,000	5,000	160,000	8,500
Mathematics and statistics	159,000	3,000	146,000	7,000	D	D	154,000	5,500	140,000	22,500	169,000	9,500	154,000	74,500
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	143,000	3,500	130,000	4,000	106,000	15,500	135,000	3,500	124,000	6,000	149,000	4,000	135,000	6,500
Psychology	120,000	5,000	114,000	7,500	D	D	130,000	9,000	95,000	19,000	124,000	5,500	131,000	8,500
Social sciences	150,000	5,500	142,000	18,000	D	D	147,000	8,000	117,000	13,500	158,000	7,000	163,000	19,000
Engineering	150,000	500	139,000	5,000	151,000	10,500	149,000	500	136,000	5,500	154,000	3,000	150,000	8,000
Health	148,000	5,500	128,000	9,500	D	D	140,000	10,500	144,000	10,500	149,000	2,000	158,000	40,500
Private, nonprofit	119,000	500	100,000	4,000	110,000	9,000	110,000	4,500	98,000	8,500	125,000	1,500	109,000	6,500
Science	115,000	2,500	98,000	8,500	D	D	107,000	5,000	98,000	8,500	119,000	2,500	103,000	12,000
Biological, agricultural, and environmental life sciences	111,000	4,500	84,000	8,000	D	D	104,000	7,000	102,000	19,000	119,000	4,500	88,000	9,500
Computer and information sciences	137,000	13,500	D	D	D	D	99,000	24,000	*	*	152,000	9,000	D	D
Mathematics and statistics	149,000	5,500	D	D	D	D	122,000	29,000	D	D	173,000	13,500	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	127,000	5,500	130,000	32,500	D	D	106,000	11,000	S	S	137,000	7,000	139,000	12,500
Psychology	105,000	1,500	95,000	8,000	D	D	110,000	8,500	100,000	9,500	105,000	1,000	116,000	5,000
Social sciences	119,000	6,000	118,000	12,500	D	D	123,000	16,500	117,000	21,000	119,000	9,000	92,000	31,500
Engineering	134,000	5,500	119,000	6,500	D	D	129,000	8,000	S	S	138,000	6,000	114,000	19,500
Health	135,000	9,500	126,000	14,000	D	D	103,000	6,500	107,000	21,500	148,000	13,500	D	D
Federal government	126,000	1,500	120,000	2,500	121,000	2,500	130,000	4,000	114,000	3,500	128,000	2,000	114,000	4,500
Science	125,000	500	119,000	2,500	120,000	8,000	129,000	6,000	110,000	2,500	126,000	3,000	110,000	5,000
Biological, agricultural, and environmental life sciences	120,000	2,500	119,000	3,500	*	*	112,000	9,500	112,000	4,500	124,000	2,500	104,000	12,500
Computer and information sciences	135,000	7,000	D	D	D	D	S	S	102,000	9,500	145,000	3,500	S	S
Mathematics and statistics	142,000	8,000	D	D	D	D	144,000	12,500	D	D	138,000	6,500	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	134,000	4,500	117,000	9,000	D	D	138,000	14,000	97,000	9,500	136,000	4,500	109,000	6,500
Psychology	114,000	2,000	113,000	4,500	S	S	129,000	13,000	106,000	11,000	114,000	2,500	114,000	2,000
Social sciences	143,000	5,500	153,000	7,000	D	D	138,000	15,500	124,000	13,000	144,000	5,000	*	*
Engineering	130,000	2,500	127,000	9,500	D	D	130,000	9,500	129,000	5,500	133,000	4,500	135,000	16,000
Health	124,000	4,500	118,000	14,500	D	D	124,000	9,500	119,000	5,500	124,000	4,500	S	S
State or local government	98,000	2,500	85,000	8,000	D	D	100,000	2,500	90,000	6,000	98,000	3,500	92,000	15,000
Science	94,000	2,500	89,000	9,500	D	D	91,000	7,000	90,000	8,000	95,000	2,500	92,000	15,500
Biological, agricultural, and environmental life sciences	85,000	4,500	73,000	14,000	D	D	86,000	10,000	96,000	16,500	85,000	5,500	81,000	9,000
Computer and information sciences	108,000	15,500	D	D	D	D	D	D	*	*	123,000	21,500	D	D
Mathematics and statistics	S	S	D	D	D	D	D	D	D	D	D	D	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	99,000	6,000	85,000	26,500	D	D	79,000	10,000	D	D	120,000	15,000	S	S
Psychology	98,000	3,000	93,000	10,000	D	D	105,000	12,000	92,000	10,000	96,000	4,500	D	D

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(Dollars)

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					American Indian or Alaska Native		Asian		Black or African American		White		Other race <sup>c</sup>	
	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE
Social sciences	90,000	5,000	91,000	21,000	D	D	89,000	20,000	83,000	10,500	91,000	5,000	D	D
Engineering	114,000	7,500	80,000	9,000	D	D	120,000	7,500	S	S	115,000	5,500	*	*
Health	123,000	24,000	D	D	D	D	139,000	22,000	90,000	32,000	135,000	27,000	D	D
Self-employed <sup>d</sup>	100,000	500	83,000	8,000	D	D	89,000	13,500	99,000	7,000	100,000	4,000	82,000	22,500
Science	100,000	1,500	77,000	14,000	D	D	109,000	13,500	94,000	7,000	100,000	3,000	81,000	26,500
Biological, agricultural, and environmental life sciences	96,000	9,500	62,000	8,500	D	D	162,000	66,000	49,000	12,500	96,000	11,000	D	D
Computer and information sciences	88,000	21,500	D	D	D	D	D	D	D	D	86,000	32,500	D	D
Mathematics and statistics	167,000	81,000	D	D	D	D	D	D	D	D	S	S	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	82,000	16,000	*	*	D	D	S	S	D	D	91,000	8,000	D	D
Psychology	107,000	6,000	86,000	12,000	D	D	D	D	99,000	33,500	108,000	6,000	85,000	15,000
Social sciences	98,000	6,500	D	D	D	D	118,000	30,500	83,000	29,000	97,000	10,500	D	D
Engineering	98,000	9,000	126,000	39,500	D	D	77,000	14,000	D	D	100,000	21,500	D	D
Health	80,000	29,500	D	D	D	D	S	S	D	D	124,000	61,500	D	D
Other sector <sup>h</sup>	132,000	5,500	155,000	15,500	D	D	135,000	6,000	132,000	18,000	128,000	6,000	136,000	42,500
Science	128,000	4,000	157,000	16,500	D	D	129,000	8,500	131,000	25,500	123,000	6,000	S	S
Biological, agricultural, and environmental life sciences	109,000	9,500	111,000	25,500	D	D	105,000	19,500	85,000	14,000	109,000	13,000	D	D
Computer and information sciences	157,000	22,500	D	D	D	D	D	D	D	D	D	D	D	D
Mathematics and statistics	157,000	18,500	D	D	D	D	S	S	D	D	S	S	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	124,000	8,000	D	D	D	D	72,000	17,500	D	D	129,000	6,000	D	D
Psychology	116,000	10,000	S	S	D	D	D	D	D	D	92,000	28,500	D	D
Social sciences	156,000	25,000	166,000	15,000	D	D	147,000	57,500	S	S	147,000	50,000	D	D
Engineering	139,000	4,500	136,000	17,000	D	D	140,000	19,500	S	S	138,000	9,500	D	D
Health	135,000	15,000	D	D	D	D	D	D	D	D	142,000	11,500	D	D

\* = suppressed when population estimate < 25. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

SE = standard error.

<sup>a</sup> Hispanic or Latino may be of any race.

<sup>b</sup> American Indian or Alaska Native, Asian, Black or African American, and White are single race.

<sup>c</sup> Other race includes Native Hawaiian or Other Pacific Islander and persons reporting more than one race who are not of Hispanic or Latino ethnicity.

<sup>d</sup> Includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes.

<sup>e</sup> Includes 2-year colleges, community colleges, or technical institutes, and other precollege institutions.

<sup>f</sup> Includes those self-employed in an incorporated business.

<sup>g</sup> Self-employed or business owner in a nonincorporated business.

<sup>h</sup> Includes employers not broken out separately.

**Note(s):**

Median annual salaries are for principal job and are rounded to nearest \$1,000. Standard errors are rounded up to the nearest \$500. Full time is based on working 35 or more hours per week. Residence location is based on reported living location on 1 February 2019.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients: 2019.