

TABLE A-7. Standard errors for doctoral scientists and engineers, by occupation and employment status: 2008

Occupation	Total	Employed			Unemployed	Retired	Not employed, not seeking work
		All	Full time	Part time			
All occupations	1,200	1,600	2,100	1,500	600	1,200	600
Science occupations	2,100	2,100	2,000	1,200	400	1,100	500
Biological/agricultural/other life scientists	1,500	1,400	1,300	500	300	600	300
Agricultural/food scientists	500	500	500	200	100	200	100
Biochemists/biophysicists	700	700	700	200	200	200	200
Biological scientists	800	700	700	300	200	300	200
Forestry/conservation scientists	300	300	300	100	D	100	D
Medical scientists	1,200	1,100	1,100	300	200	300	200
Postsecondary teachers, agricultural/other natural sciences	300	300	300	S	D	200	D
Postsecondary teachers, biological sciences	900	800	800	300	100	400	200
Other biological/agricultural/life scientists	500	400	400	200	S	200	100
Computer and information scientists	1,000	900	900	300	200	400	200
Computer/information scientists	900	800	800	200	200	300	100
Postsecondary teachers, computer science	500	500	500	200	D	200	D
Mathematical scientists	700	800	700	300	100	300	200
Mathematical scientists	600	600	600	200	100	200	100
Postsecondary teachers, mathematics/statistics	600	600	600	200	D	300	100
Physical scientists	1,300	1,200	1,200	400	200	600	200
Chemists, except biochemists	800	700	700	300	200	400	200
Earth/atmospheric/ocean scientists	500	500	500	200	100	200	100
Physicists/astronomers	600	600	600	200	100	300	100
Postsecondary teachers, chemistry	600	600	500	200	D	300	100
Postsecondary teachers, physics	500	500	400	200	D	200	D
Postsecondary teachers, other physical sciences	400	400	400	200	D	200	D
Other physical scientists	400	300	300	100	D	200	D
Psychologists	1,000	1,000	900	800	200	500	300
Psychologists	1,000	1,000	800	700	200	400	300
Postsecondary teachers, psychology	600	600	600	300	100	300	200
Social scientists	900	900	900	500	100	500	200
Economists	400	400	400	200	D	200	100
Political scientists	300	200	200	D	D	200	D
Postsecondary teachers, economics	500	500	500	200	D	200	D
Postsecondary teachers, political science	500	500	500	200	D	200	S
Postsecondary teachers, sociology	500	500	400	200	D	300	100
Postsecondary teachers, other social sciences	600	500	500	200	100	300	100
Sociologists/anthropologists	400	300	300	200	100	200	D
Other social scientists	500	500	400	200	D	200	100
Engineering occupations	1,300	1,200	1,200	500	300	500	200
Aerospace/aeronautical/astronautical engineers	400	400	400	200	D	200	D
Chemical engineers	500	500	500	200	100	200	100
Civil/architectural/sanitary engineers	400	400	400	100	D	100	100
Electrical engineers	700	700	600	200	100	200	100
Materials/metallurgical engineers	300	200	200	D	D	D	D
Mechanical engineers	600	500	600	200	S	200	D
Postsecondary teachers, engineering	700	600	600	200	D	300	S
Other engineers	900	800	800	300	200	300	100
Science/engineering-related occupations	1,400	1,300	1,300	400	200	500	200
Health occupations, except postsecondary teachers and managers	800	700	700	300	200	300	200
Postsecondary teachers, health and related sciences	700	700	700	200	100	200	100
Managers, including health	1,000	900	900	200	200	400	D
Precollege teachers	400	400	300	200	100	200	100

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		All	Full time	Part time			
Technicians/technologists	300	300	200	100	D	100	D
Other S&E-related occupations	200	200	200	D	D	D	D
Non-science/non-engineering occupations	1,500	1,500	1,500	700	300	700	300
Arts/humanities-related occupations	500	500	400	300	100	200	200
Management-related occupations	900	800	800	400	200	300	200
Managers	1,100	1,100	1,100	300	200	500	100
Postsecondary teachers	700	600	600	300	100	300	100
Precollege/other teachers	300	300	200	200	D	100	100
Sales/marketing occupations	600	500	500	200	100	200	100
Social service-related occupations	500	500	400	300	D	100	100
Other non-S&E occupations	700	600	500	300	200	300	200

D = standard error is not computed when value is suppressed to avoid disclosure of confidential information. S = suppressed; data cell not published.

S&E = science and engineering.

NOTES: Standard errors are rounded up to nearest 100. If respondent was not employed during survey reference period, occupation when last employed was reported. Excludes 400 individuals who reported never having worked so could not be classified by occupation. Designation of full time and part time employment status is based on principal job only, not on all jobs held in labor force. For example, an individual could work part time in his/her principal job but full time in labor force. Prior to 2006 SDR, designation of full time and part time status was for all jobs held; thus data for 2003 and earlier are not comparable to data for 2006 and later.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Survey of Doctorate Recipients: 2008.