

Table C-3. Employed U.S. scientists and engineers, by level and broad field of highest degree attained, age, and employment sector: 1993

| Level and field of highest degree, and age | Employed S&Es, total | Sector of employment | | | |
|---|----------------------|----------------------|--------------------------|-------------------------------|------------|
| | | Business/industry | 4-yr. College/university | Other educational institution | Government |
| All degree levels¹ | | | | | |
| All degree fields, total | 9,793,500 | 6,661,200 | 906,100 | 855,300 | 1,370,900 |
| <30 | 1,320,600 | 913,000 | 178,400 | 78,000 | 151,200 |
| 30-39 | 3,104,400 | 2,234,000 | 285,300 | 180,700 | 404,500 |
| 40-49 | 3,191,100 | 2,105,900 | 234,300 | 339,100 | 511,700 |
| 50-59 | 1,515,400 | 946,300 | 141,700 | 198,800 | 228,600 |
| 60+ | 661,900 | 462,000 | 66,300 | 58,700 | 74,900 |
| S&E degree fields, total | 7,035,800 | 4,833,700 | 641,400 | 539,700 | 1,021,100 |
| <30 | 1,163,300 | 812,800 | 148,900 | 68,200 | 133,400 |
| 30-39 | 2,215,800 | 1,590,500 | 194,500 | 120,200 | 310,600 |
| 40-49 | 2,149,800 | 1,424,600 | 156,900 | 203,500 | 364,900 |
| 50-59 | 1,042,500 | 670,400 | 98,800 | 113,000 | 160,300 |
| 60+ | 464,400 | 335,500 | 42,300 | 34,700 | 51,900 |
| Sciences, total | 5,202,100 | 3,372,800 | 554,200 | 518,900 | 756,200 |
| <30 | 892,600 | 606,300 | 124,500 | 66,200 | 95,600 |
| 30-39 | 1,581,100 | 1,083,400 | 164,600 | 115,100 | 217,900 |
| 40-49 | 1,698,800 | 1,061,800 | 143,600 | 198,000 | 295,500 |
| 50-59 | 734,800 | 426,500 | 85,100 | 108,100 | 115,100 |
| 60+ | 294,700 | 194,700 | 36,400 | 31,500 | 32,100 |
| Computer/math sciences, total | 918,000 | 677,800 | 65,500 | 85,300 | 89,400 |
| <30 | 175,200 | 133,800 | 15,000 | 13,200 | 13,200 |
| 30-39 | 345,600 | 279,100 | 20,500 | 18,300 | 27,800 |
| 40-49 | 255,200 | 175,800 | 16,100 | 30,800 | 32,600 |
| 50-59 | 116,800 | 72,800 | 11,000 | 19,900 | 13,100 |
| 60+ | 25,200 | 16,300 | 3,000 | 3,100 | 2,800 |
| Life/related sciences, total | 1,073,100 | 643,900 | 186,600 | 93,600 | 149,000 |
| <30 | 147,800 | 83,500 | 38,000 | 11,000 | 15,300 |
| 30-39 | 361,600 | 227,500 | 62,500 | 21,900 | 49,700 |
| 40-49 | 351,600 | 212,900 | 49,000 | 36,200 | 53,500 |
| 50-59 | 151,100 | 79,300 | 27,300 | 20,600 | 23,900 |
| 60+ | 61,000 | 40,800 | 9,800 | 4,000 | 6,500 |
| Physical/related sciences, total | 599,800 | 391,100 | 93,100 | 36,100 | 79,400 |
| <30 | 70,000 | 35,500 | 23,400 | 3,100 | 8,000 |
| 30-39 | 180,400 | 123,600 | 26,000 | 8,900 | 21,900 |
| 40-49 | 170,900 | 117,500 | 19,300 | 11,000 | 23,200 |
| 50-59 | 118,200 | 72,900 | 16,400 | 9,500 | 19,400 |
| 60+ | 60,300 | 41,700 | 8,100 | 3,600 | 7,000 |
| Social/related sciences, total | 2,611,200 | 1,660,000 | 208,900 | 303,900 | 438,400 |
| <30 | 499,600 | 353,600 | 48,000 | 38,800 | 59,100 |
| 30-39 | 693,600 | 453,300 | 55,700 | 66,100 | 118,500 |
| 40-49 | 921,200 | 555,700 | 59,300 | 120,000 | 186,300 |
| 50-59 | 348,800 | 201,500 | 30,400 | 58,100 | 58,700 |
| 60+ | 148,100 | 95,900 | 15,500 | 20,900 | 15,700 |

See explanatory information, if any, and SOURCE at end of table.

Table C-3. Employed U.S. scientists and engineers, by level and broad field of highest degree attained, age, and employment sector: 1993

| Level and field of highest degree, and age | Employed S&Es, total | Sector of employment | | | |
|--|----------------------|----------------------|--------------------------|-------------------------------|------------|
| | | Business/industry | 4-yr. College/university | Other educational institution | Government |
| All degree levels¹ — continued | | | | | |
| Engineering, total | 1,833,700 | 1,460,900 | 87,200 | 20,800 | 264,800 |
| <30 | 270,700 | 206,400 | 24,400 | 2,100 | 37,800 |
| 30-39 | 634,700 | 507,000 | 29,800 | 5,100 | 92,700 |
| 40-49 | 451,000 | 362,800 | 13,300 | 5,500 | 69,300 |
| 50-59 | 307,600 | 243,800 | 13,700 | 4,900 | 45,200 |
| 60+ | 169,700 | 140,800 | 5,900 | 3,100 | 19,800 |
| Non-S&E degree fields, total | 2,757,700 | 1,827,500 | 264,700 | 315,700 | 349,800 |
| <30 | 157,300 | 100,300 | 29,500 | 9,800 | 17,800 |
| 30-39 | 888,600 | 643,500 | 90,900 | 60,400 | 93,900 |
| 40-49 | 1,041,300 | 681,300 | 77,400 | 135,600 | 146,900 |
| 50-59 | 472,900 | 275,900 | 42,900 | 85,800 | 68,300 |
| 60+ | 197,600 | 126,500 | 24,000 | 24,000 | 23,000 |
| Bachelor's | | | | | |
| All degree fields, total | 5,727,200 | 4,242,600 | 290,100 | 363,000 | 831,500 |
| <30 | 1,115,500 | 799,700 | 120,600 | 66,700 | 128,400 |
| 30-39 | 1,905,800 | 1,464,200 | 85,000 | 92,800 | 263,800 |
| 40-49 | 1,656,800 | 1,190,500 | 53,900 | 128,200 | 284,200 |
| 50-59 | 704,500 | 510,200 | 20,200 | 58,200 | 116,000 |
| 60+ | 344,500 | 278,100 | 10,400 | 17,000 | 39,000 |
| S&E degree fields, total | 5,172,600 | 3,806,800 | 263,200 | 335,300 | 767,200 |
| <30 | 1,059,000 | 756,000 | 116,100 | 63,900 | 123,100 |
| 30-39 | 1,686,200 | 1,282,500 | 75,300 | 84,000 | 244,400 |
| 40-49 | 1,474,500 | 1,051,400 | 45,200 | 119,500 | 258,400 |
| 50-59 | 634,300 | 458,600 | 17,600 | 52,100 | 106,000 |
| 60+ | 318,600 | 258,300 | 9,100 | 15,800 | 35,400 |
| Sciences, total | 3,814,400 | 2,698,700 | 231,400 | 319,400 | 564,900 |
| <30 | 830,100 | 578,400 | 100,100 | 62,000 | 89,600 |
| 30-39 | 1,211,200 | 894,300 | 66,700 | 79,800 | 170,300 |
| 40-49 | 1,164,500 | 796,800 | 41,900 | 115,300 | 210,600 |
| 50-59 | 425,900 | 287,300 | 14,800 | 48,000 | 75,700 |
| 60+ | 182,600 | 141,800 | 7,800 | 14,200 | 18,700 |
| Computer/math sciences, total | 663,800 | 521,200 | 24,800 | 50,800 | 66,900 |
| <30 | 158,400 | 123,800 | 9,900 | 12,400 | 12,300 |
| 30-39 | 261,700 | 221,500 | 8,000 | 11,700 | 20,600 |
| 40-49 | 163,800 | 118,800 | 4,400 | 17,300 | 23,200 |
| 50-59 | 64,900 | 44,700 | 2,300 | 8,800 | 9,000 |
| 60+ | 15,000 | 12,300 | 300 | 600 | 1,800 |
| Life/related sciences, total | 773,600 | 526,400 | 79,200 | 59,600 | 108,300 |
| <30 | 136,200 | 79,200 | 32,300 | 10,600 | 14,200 |
| 30-39 | 276,800 | 195,500 | 27,000 | 16,500 | 37,800 |
| 40-49 | 236,800 | 166,800 | 12,400 | 21,300 | 36,300 |
| 50-59 | 83,900 | 53,400 | 5,900 | 8,700 | 15,900 |
| 60+ | 39,900 | 31,500 | 1,700 | 2,500 | 4,200 |

See explanatory information, if any, and SOURCE at end of table.

Table C-3. Employed U.S. scientists and engineers, by level and broad field of highest degree attained, age, and employment sector: 1993

| Level and field of highest degree, and age | Employed S&Es, total | Sector of employment | | | |
|---|----------------------|----------------------|--------------------------|-------------------------------|------------|
| | | Business/industry | 4-yr. College/university | Other educational institution | Government |
| Bachelor's — continued | | | | | |
| Physical/related sciences, total | 372,500 | 269,900 | 31,600 | 21,100 | 50,100 |
| <30 | 60,100 | 32,200 | 18,000 | 2,800 | 7,200 |
| 30-39 | 116,700 | 88,600 | 6,500 | 5,900 | 15,700 |
| 40-49 | 98,700 | 76,200 | 4,600 | 5,700 | 12,200 |
| 50-59 | 63,000 | 44,900 | 1,000 | 5,400 | 11,600 |
| 60+ | 34,100 | 28,000 | 1,500 | 1,300 | 3,500 |
| Social/related sciences, total | 2,004,400 | 1,381,200 | 95,700 | 187,900 | 339,600 |
| <30 | 475,400 | 343,200 | 40,000 | 36,200 | 55,900 |
| 30-39 | 556,100 | 388,700 | 25,300 | 45,800 | 96,300 |
| 40-49 | 665,200 | 435,000 | 20,400 | 70,900 | 138,900 |
| 50-59 | 214,200 | 144,200 | 5,700 | 25,100 | 39,200 |
| 60+ | 93,600 | 70,000 | 4,400 | 9,800 | 9,300 |
| Engineering, total | 1,358,300 | 1,108,100 | 31,900 | 16,000 | 202,300 |
| <30 | 228,900 | 177,600 | 15,900 | 1,900 | 33,500 |
| 30-39 | 475,000 | 388,200 | 8,600 | 4,200 | 74,000 |
| 40-49 | 309,900 | 254,600 | 3,300 | 4,200 | 47,800 |
| 50-59 | 208,400 | 171,300 | 2,700 | 4,100 | 30,300 |
| 60+ | 136,000 | 116,500 | 1,400 | 1,600 | 16,600 |
| Non-S&E degree fields, total | 554,500 | 435,800 | 26,900 | 27,600 | 64,200 |
| <30 | 56,500 | 43,700 | 4,600 | 2,800 | 5,400 |
| 30-39 | 219,600 | 181,700 | 9,700 | 8,800 | 19,400 |
| 40-49 | 182,400 | 139,100 | 8,700 | 8,800 | 25,800 |
| 50-59 | 70,200 | 51,500 | 2,600 | 6,100 | 10,000 |
| 60+ | 25,900 | 19,800 | 1,300 | 1,200 | 3,700 |
| Master's | | | | | |
| All degree fields, total | 2,575,600 | 1,523,200 | 224,500 | 447,200 | 380,800 |
| <30 | 153,800 | 89,600 | 37,500 | 10,600 | 16,100 |
| 30-39 | 748,200 | 489,300 | 77,300 | 83,000 | 98,600 |
| 40-49 | 988,300 | 568,600 | 62,900 | 192,700 | 164,100 |
| 50-59 | 514,200 | 274,300 | 32,700 | 125,700 | 81,500 |
| 60+ | 171,000 | 101,300 | 14,100 | 35,200 | 20,400 |
| S&E degree fields, total | 1,328,400 | 798,300 | 138,000 | 190,100 | 202,000 |
| <30 | 97,100 | 54,500 | 28,200 | 4,300 | 10,000 |
| 30-39 | 396,900 | 251,700 | 54,800 | 34,100 | 56,300 |
| 40-49 | 480,800 | 285,200 | 32,800 | 78,200 | 84,600 |
| 50-59 | 265,500 | 152,300 | 17,200 | 56,400 | 39,500 |
| 60+ | 88,200 | 54,500 | 4,900 | 17,100 | 11,600 |
| Sciences, total | 937,700 | 495,900 | 110,500 | 185,800 | 145,500 |
| <30 | 57,500 | 26,600 | 20,900 | 4,200 | 5,800 |
| 30-39 | 260,800 | 147,200 | 41,300 | 33,200 | 39,100 |
| 40-49 | 365,600 | 193,300 | 30,300 | 77,100 | 64,900 |
| 50-59 | 191,200 | 94,800 | 14,000 | 55,700 | 26,700 |
| 60+ | 62,700 | 34,000 | 3,900 | 15,700 | 9,000 |

See explanatory information, if any, and SOURCE at end of table.

Table C-3. Employed U.S. scientists and engineers, by level and broad field of highest degree attained, age, and employment sector: 1993

| Level and field of highest degree, and age | Employed S&Es, total | Sector of employment | | | |
|---|----------------------|----------------------|--------------------------|-------------------------------|------------|
| | | Business/industry | 4-yr. College/university | Other educational institution | Government |
| Master's — continued | | | | | |
| Computer/math sciences, total | 221,400 | 145,900 | 20,500 | 33,800 | 21,200 |
| <30 | 16,000 | 9,700 | 4,500 | 800 | 900 |
| 30-39 | 74,900 | 54,400 | 7,000 | 6,500 | 7,000 |
| 40-49 | 80,000 | 52,600 | 5,500 | 13,200 | 8,800 |
| 50-59 | 42,700 | 25,500 | 2,700 | 10,900 | 3,700 |
| 60+ | 7,800 | 3,600 | 800 | 2,400 | 900 |
| Life/related sciences, total | 151,000 | 67,100 | 28,900 | 31,000 | 24,000 |
| <30 | 9,900 | 3,900 | 4,600 | 400 | 1,000 |
| 30-39 | 44,600 | 19,300 | 11,900 | 5,000 | 8,300 |
| 40-49 | 58,200 | 26,200 | 8,200 | 13,500 | 10,400 |
| 50-59 | 31,600 | 13,400 | 3,700 | 11,100 | 3,400 |
| 60+ | 6,800 | 4,300 | 600 | 1,000 | 900 |
| Physical/related sciences, total | 111,300 | 62,700 | 17,200 | 12,800 | 18,600 |
| <30 | 8,600 | 2,800 | 4,700 | 300 | 800 |
| 30-39 | 33,300 | 20,300 | 5,900 | 2,700 | 4,400 |
| 40-49 | 35,800 | 20,800 | 3,100 | 4,700 | 7,200 |
| 50-59 | 22,200 | 12,000 | 2,900 | 3,200 | 4,100 |
| 60+ | 11,400 | 6,800 | 500 | 1,900 | 2,200 |
| Social/related sciences, total | 453,900 | 220,100 | 43,900 | 108,200 | 81,800 |
| <30 | 23,000 | 10,100 | 7,100 | 2,600 | 3,200 |
| 30-39 | 108,000 | 53,200 | 16,500 | 19,000 | 19,400 |
| 40-49 | 191,500 | 93,600 | 13,600 | 45,800 | 38,600 |
| 50-59 | 94,700 | 44,000 | 4,700 | 30,500 | 15,500 |
| 60+ | 36,700 | 19,400 | 2,000 | 10,300 | 5,100 |
| Engineering, total | 390,700 | 302,400 | 27,500 | 4,300 | 56,500 |
| <30 | 39,700 | 28,000 | 7,300 | 100 | 4,200 |
| 30-39 | 136,100 | 104,500 | 13,500 | 900 | 17,200 |
| 40-49 | 115,300 | 92,000 | 2,500 | 1,200 | 19,700 |
| 50-59 | 74,200 | 57,500 | 3,200 | 700 | 12,900 |
| 60+ | 25,500 | 20,500 | 1,000 | 1,400 | 2,600 |
| Non-S&E degree fields, total | 1,247,100 | 724,900 | 86,500 | 257,100 | 178,700 |
| <30 | 56,700 | 35,100 | 9,300 | 6,300 | 6,100 |
| 30-39 | 351,400 | 237,600 | 22,500 | 48,900 | 42,300 |
| 40-49 | 507,500 | 283,400 | 30,100 | 114,400 | 79,600 |
| 50-59 | 248,700 | 122,000 | 15,500 | 69,300 | 41,900 |
| 60+ | 82,800 | 46,800 | 9,100 | 18,000 | 8,800 |
| Doctorate | | | | | |
| All degree fields, total | 634,800 | 263,500 | 280,100 | 32,000 | 59,100 |
| <30 | 8,200 | 2,800 | 4,700 | 200 | 500 |
| 30-39 | 146,300 | 62,000 | 70,700 | 3,100 | 10,600 |
| 40-49 | 227,000 | 99,000 | 92,100 | 10,900 | 25,000 |
| 50-59 | 178,200 | 70,100 | 78,400 | 13,000 | 16,600 |
| 60+ | 75,100 | 29,600 | 34,300 | 4,800 | 6,400 |

See explanatory information, if any, and SOURCE at end of table.

Table C-3. Employed U.S. scientists and engineers, by level and broad field of highest degree attained, age, and employment sector: 1993

| Level and field of highest degree, and age | Employed S&Es, total | Sector of employment | | | |
|---|----------------------|----------------------|--------------------------|-------------------------------|------------|
| | | Business/industry | 4-yr. College/university | Other educational institution | Government |
| Doctorate — continued | | | | | |
| S&E degree fields, total | 529,200 | 225,900 | 239,500 | 12,500 | 51,300 |
| <30 | 7,200 | 2,300 | 4,600 | S | 300 |
| 30-39 | 132,000 | 56,000 | 64,300 | 1,700 | 10,000 |
| 40-49 | 191,400 | 86,200 | 78,300 | 5,200 | 21,600 |
| 50-59 | 141,500 | 59,100 | 64,000 | 3,900 | 14,500 |
| 60+ | 57,200 | 22,300 | 28,200 | 1,700 | 4,900 |
| Sciences, total | 444,500 | 175,600 | 211,700 | 12,000 | 45,300 |
| <30 | 5,000 | 1,400 | 3,400 | S | 200 |
| 30-39 | 108,400 | 41,700 | 56,600 | 1,600 | 8,500 |
| 40-49 | 165,600 | 69,900 | 70,800 | 5,000 | 19,800 |
| 50-59 | 116,500 | 44,100 | 56,200 | 3,700 | 12,500 |
| 60+ | 49,000 | 18,500 | 24,600 | 1,600 | 4,200 |
| Computer/math sciences, total | 32,800 | 10,700 | 20,200 | 700 | 1,300 |
| <30 | 800 | 200 | 600 | S | S |
| 30-39 | 9,000 | 3,200 | 5,500 | 100 | 200 |
| 40-49 | 11,400 | 4,300 | 6,200 | 300 | 600 |
| 50-59 | 9,100 | 2,600 | 5,900 | 200 | 400 |
| 60+ | 2,500 | 400 | 1,900 | 100 | 100 |
| Life/related sciences, total | 148,500 | 50,300 | 78,500 | 3,000 | 16,700 |
| <30 | 1,700 | 400 | 1,200 | S | 100 |
| 30-39 | 40,200 | 12,700 | 23,600 | 400 | 3,600 |
| 40-49 | 56,500 | 19,900 | 28,400 | 1,400 | 6,900 |
| 50-59 | 35,700 | 12,500 | 17,800 | 800 | 4,600 |
| 60+ | 14,300 | 4,900 | 7,500 | 400 | 1,500 |
| Physical/related sciences, total | 115,900 | 58,500 | 44,400 | 2,200 | 10,800 |
| <30 | 1,300 | 500 | 800 | S | S |
| 30-39 | 30,400 | 14,700 | 13,500 | 200 | 1,900 |
| 40-49 | 36,400 | 20,400 | 11,500 | 700 | 3,800 |
| 50-59 | 33,000 | 16,000 | 12,500 | 900 | 3,600 |
| 60+ | 14,800 | 7,000 | 6,000 | 400 | 1,400 |
| Social/related sciences, total | 147,300 | 56,000 | 68,700 | 6,100 | 16,500 |
| <30 | 1,200 | 300 | 900 | S | S |
| 30-39 | 28,800 | 11,100 | 13,900 | 900 | 2,900 |
| 40-49 | 61,200 | 25,400 | 24,700 | 2,700 | 8,500 |
| 50-59 | 38,700 | 13,000 | 20,000 | 1,800 | 3,800 |
| 60+ | 17,400 | 6,200 | 9,200 | 700 | 1,300 |
| Engineering, total | 84,700 | 50,400 | 27,800 | 500 | 6,000 |
| <30 | 2,100 | 900 | 1,200 | S | 100 |
| 30-39 | 23,600 | 14,400 | 7,700 | 100 | 1,400 |
| 40-49 | 25,800 | 16,300 | 7,500 | 200 | 1,800 |
| 50-59 | 25,000 | 15,000 | 7,800 | 200 | 2,100 |
| 60+ | 8,200 | 3,800 | 3,600 | 100 | 600 |

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Table C-3. Employed U.S. scientists and engineers, by level and broad field of highest degree attained, age, and employment sector: 1993

| Level and field of highest degree, and age | Employed S&Es, total | Sector of employment | | | |
|---|----------------------|----------------------|--------------------------|-------------------------------|------------|
| | | Business/industry | 4-yr. College/university | Other educational institution | Government |
| Doctorate — continued | | | | | |
| Non-S&E degree fields, total | 105,600 | 37,600 | 40,600 | 19,500 | 7,900 |
| <30 | 1,000 | 500 | 100 | 200 | 200 |
| 30-39 | 14,400 | 6,000 | 6,400 | 1,400 | 600 |
| 40-49 | 35,600 | 12,800 | 13,700 | 5,700 | 3,400 |
| 50-59 | 36,700 | 11,000 | 14,400 | 9,200 | 2,100 |
| 60+ | 17,900 | 7,300 | 6,000 | 3,000 | 1,600 |

1 Includes professional degrees

NOTES: The term "Scientists and Engineers" (S&Es) includes all persons who have ever received a bachelor's degree or higher in a science or engineering (S&E) field, plus persons holding a non-S&E bachelor's or higher degree who are employed in an S&E occupation.
 Figures are rounded to nearest hundred. Details may not add to total because of rounding.

KEY: S = Suppressed for reasons of confidentiality and/or data reliability

SOURCE: National Science Foundation/Science Resources Studies Division, 1993 SESTAT (Scientists and Engineers Statistical Data System)