

Table SKTI-3

## Employment in each workforce and KTI industry, by sex, race or ethnicity, and nativity and citizenship: 2019

(Thousands)

| Workforce and industry                         | ISIC, Rev.4, industry code | Total  | Sex   |        | Race or ethnicity             |                           | Nativity  |              |                   |               |
|--|----------------------------|--------|-------|--------|-------------------------------|---------------------------|-----------|--------------|-------------------|---------------|
|  |                            |        | Male  | Female | Not underrepresented minority | Underrepresented minority | U.S.-born | Foreign-born |                   |               |
|  |                            |        |       |        |                               |                           |           | Total        | Non-U.S. citizens | U.S. citizens |
| All KTI workers                                |                            | 11,667 | 7,918 | 3,749  | 9,413                         | 2,254                     | 9,190     | 2,477        | 1,140             | 1,337         |
| Chemicals and chemical products                | 20                         | 852    | 601   | 251    | 633                           | 219                       | 718       | 134          | 62                | 72            |
| Pharmaceuticals                                | 21                         | 536    | 286   | 250    | 417                           | 119                       | 398       | 138          | 46                | 93            |
| Computer, electronic, and optical products     | 26                         | 1,169  | 814   | 355    | 971                           | 198                       | 820       | 349          | 140               | 209           |
| Electrical equipment                           | 27                         | 435    | 302   | 133    | 330                           | 105                       | 357       | 78           | 34                | 44            |
| Machinery and equipment nec                    | 28                         | 1,122  | 861   | 261    | 886                           | 236                       | 970       | 152          | 68                | 85            |
| Motor vehicles, trailers, and semi-trailers    | 29                         | 1,428  | 1,035 | 393    | 1,044                         | 384                       | 1,245     | 183          | 99                | 84            |
| Air and spacecraft and related machinery       | 303                        | 820    | 622   | 198    | 645                           | 175                       | 681       | 139          | 38                | 102           |
| Railroad, military vehicles, and transport nec | 302, 304, and 309          | 66     | 51    | 15     | 53                            | 13                        | 60        | 6            | 3                 | 3             |
| Medical and dental instruments                 | 325                        | 634    | 367   | 267    | 500                           | 133                       | 486       | 148          | 52                | 96            |
| IT and other information services              | 62 - 63                    | 3,767  | 2,524 | 1,242  | 3,211                         | 556                       | 2,812     | 954          | 515               | 439           |
| Software publishing                            | 582                        | 131    | 87    | 44     | 117                           | 13                        | 98        | 32           | 16                | 16            |
| Scientific research and development            | 72                         | 708    | 368   | 340    | 605                           | 103                       | 545       | 163          | 68                | 94            |
| STEM workers                                   |                            | 5,670  | 4,435 | 1,236  | 4,748                         | 923                       | 4,224     | 1,446        | 710               | 736           |
| Chemicals and chemical products                | 20                         | 401    | 314   | 88     | 301                           | 101                       | 334       | 67           | 30                | 37            |
| Pharmaceuticals                                | 21                         | 252    | 153   | 99     | 196                           | 56                        | 177       | 74           | 24                | 50            |
| Computer, electronic, and optical products     | 26                         | 571    | 472   | 99     | 490                           | 81                        | 383       | 189          | 78                | 110           |
| Electrical equipment                           | 27                         | 149    | 126   | 23     | 121                           | 29                        | 119       | 30           | 14                | 16            |
| Machinery and equipment nec                    | 28                         | 436    | 386   | 49     | 361                           | 74                        | 377       | 58           | 25                | 34            |
| Motor vehicles, trailers, and semi-trailers    | 29                         | 499    | 413   | 86     | 407                           | 92                        | 427       | 72           | 37                | 34            |
| Air and spacecraft and related machinery       | 303                        | 440    | 372   | 68     | 358                           | 82                        | 367       | 73           | 20                | 53            |
| Railroad, military vehicles, and transport nec | 302, 304, and 309          | 21     | 19    | 2      | 18                            | 3                         | 19        | 2            | 1                 | 1             |
| Medical and dental instruments                 | 325                        | 232    | 162   | 69     | 189                           | 43                        | 174       | 58           | 19                | 39            |
| IT and other information services              | 62 - 63                    | 2,179  | 1,716 | 463    | 1,876                         | 303                       | 1,493     | 686          | 399               | 287           |
| Software publishing                            | 582                        | 65     | 50    | 15     | 60                            | 5                         | 44        | 21           | 12                | 9             |
| Scientific research and development            | 72                         | 426    | 251   | 175    | 372                           | 54                        | 311       | 115          | 50                | 65            |
| Non-STEM workers                               |                            | 5,997  | 3,484 | 2,513  | 4,665                         | 1,331                     | 4,966     | 1,031        | 430               | 601           |
| Chemicals and chemical products                | 20                         | 451    | 287   | 164    | 333                           | 118                       | 384       | 66           | 31                | 35            |
| Pharmaceuticals                                | 21                         | 284    | 133   | 151    | 221                           | 63                        | 220       | 64           | 22                | 42            |
| Computer, electronic and optical products      | 26                         | 598    | 342   | 256    | 480                           | 117                       | 437       | 160          | 62                | 99            |
| Electrical equipment                           | 27                         | 286    | 176   | 110    | 209                           | 77                        | 238       | 48           | 20                | 28            |
| Machinery and equipment nec                    | 28                         | 686    | 475   | 212    | 525                           | 161                       | 593       | 94           | 43                | 51            |
| Motor vehicles, trailers, and semi-trailers    | 29                         | 929    | 622   | 307    | 638                           | 292                       | 818       | 111          | 62                | 49            |

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**Employment in each workforce and KTI industry, by sex, race or ethnicity, and nativity and citizenship: 2019**

(Thousands)

| Workforce and industry                         | ISIC, Rev.4, industry code | Total | Sex  |        | Race or ethnicity             |                           | Nativity  |              |                   |               |
|--|----------------------------|-------|------|--------|-------------------------------|---------------------------|-----------|--------------|-------------------|---------------|
|  |                            |       | Male | Female | Not underrepresented minority | Underrepresented minority | U.S.-born | Foreign-born |                   |               |
|  |                            |       |      |        |                               |                           |           | Total        | Non-U.S. citizens | U.S. citizens |
| Air and spacecraft and related machinery       | 303                        | 380   | 250  | 130    | 287                           | 94                        | 314       | 66           | 18                | 48            |
| Railroad, military vehicles, and transport nec | 302, 304, and 309          | 45    | 32   | 13     | 36                            | 9                         | 41        | 4            | 3                 | 2             |
| Medical and dental instruments                 | 325                        | 402   | 204  | 197    | 311                           | 90                        | 312       | 90           | 33                | 57            |
| IT and other information services              | 62 - 63                    | 1,588 | 808  | 780    | 1,335                         | 253                       | 1,319     | 268          | 116               | 153           |
| Software publishing                            | 582                        | 65    | 36   | 29     | 57                            | 8                         | 54        | 11           | 4                 | 7             |
| Scientific research and development            | 72                         | 282   | 117  | 165    | 233                           | 49                        | 234       | 48           | 18                | 29            |

ISIC, Rev.4 = International Standard Industry Classification, Revision 4; IT = information technology; KTI = knowledge and technology intensive; nec = not elsewhere classified; STEM = science, technology, engineering, and mathematics.

**Note(s):**

KTI industries include high R&D intensive and medium-high R&D intensive industries based on a classification by the Organisation for Economic Co-operation and Development. Data include workers ages 16–75 and exclude those in military occupations or currently enrolled in primary or secondary school. Values are rounded to the nearest thousand. Underrepresented minorities are Blacks or African Americans, Hispanics or Latinos, and American Indians or Alaska Natives.

**Source(s):**

U.S. Census Bureau, American Community Survey (ACS), 2019, Public Use Microdata Sample (PUMS), accessed 12 December 2020.

*Science and Engineering Indicators*