A recent McKinsey Global Institute report explored COVID-19’s impact on the future of work in eight economies, looking at both trends in place before the pandemic and changes that it has accelerated. For STEM—unlike some sectors—the report found that the pandemic had boosted pre-COVID trends already favoring workforce expansion. But the study also concluded that the pandemic has increased the percent of workers in the broader economy likely to be displaced by automation.

### China
- **STEM professionals**
  - 2018 workforce: 23.4M
  - Post-COVID-19 net change 2018–30: +34%
  - Difference pre- to post-COVID-19: +0.7M
- **Automation displacement**
  - 2030 workforce: 23%
  - Difference pre- to post-COVID-19: +14.4M

### France
- **STEM professionals**
  - 2018 workforce: 1.8M
  - Post-COVID-19 net change 2018–30: +19%
  - Difference pre- to post-COVID-19: +81K
- **Automation displacement**
  - 2030 workforce: 25%
  - Difference pre- to post-COVID-19: +0.6M

### Germany
- **STEM professionals**
  - 2018 workforce: 3.2M
  - Post-COVID-19 net change 2018–30: +11%
  - Difference pre- to post-COVID-19: +142K
- **Automation displacement**
  - 2030 workforce: 27%
  - Difference pre- to post-COVID-19: +0.9M

### India
- **STEM professionals**
  - 2018 workforce: 5.3M
  - Post-COVID-19 net change 2018–30: +94%
  - Difference pre- to post-COVID-19: +0.5M
- **Automation displacement**
  - 2030 workforce: 10%
  - Difference pre- to post-COVID-19: +3.2M

### Japan
- **STEM professionals**
  - 2018 workforce: 2.5M
  - Post-COVID-19 net change 2018–30: +20%
  - Difference pre- to post-COVID-19: +113K
- **Automation displacement**
  - 2030 workforce: 31%
  - Difference pre- to post-COVID-19: +1.9M

### Spain
- **STEM professionals**
  - 2018 workforce: 1.0M
  - Post-COVID-19 net change 2018–30: +16%
  - Difference pre- to post-COVID-19: +45K
- **Automation displacement**
  - 2030 workforce: 24%
  - Difference pre- to post-COVID-19: +0.5M

### United Kingdom
- **STEM professionals**
  - 2018 workforce: 2.5M
  - Post-COVID-19 net change 2018–30: +16%
  - Difference pre- to post-COVID-19: +97K
- **Automation displacement**
  - 2030 workforce: 20%
  - Difference pre- to post-COVID-19: +0.8M

### United States
- **STEM professionals**
  - 2018 workforce: 8.3M
  - Post-COVID-19 net change 2018–30: +24%
  - Difference pre- to post-COVID-19: +0.7M
- **Automation displacement**
  - 2030 workforce: 27%
  - Difference pre- to post-COVID-19: +8.4M