

analysis for why such data cannot be provided.

(b) Reporting of data

The Director of the National Science Foundation shall publish statistical summary data, as practicable, collected under this section, disaggregated and cross-tabulated by race, ethnicity, sex, socioeconomic indicators, which may include employment status, occupation, educational attainment, parental education, and income, geographic location, and years since completion of doctoral degree, including in conjunction with the National Science Foundation's report required by section 1885d of this title.

(Pub. L. 117-167, div. B, title V, §10502, Aug. 9, 2022, 136 Stat. 1610.)

§ 19153. Policies for review of Federal research awards

(a) Assessment of policies

Federal research agencies shall regularly assess, and update as necessary, policies, and practices to remove or reduce cultural and institutional barriers limiting the recruitment, retention, and success of groups historically underrepresented in STEM research careers, including policies and practices relevant to the unbiased review of Federal research applications.

(b) Considerations and activities

In carrying out the requirements under subsection (a), Federal research agencies shall—

- (1) review current levels of participation of groups historically underrepresented in STEM in peer-review panels and consider approaches for expanding their participation;
- (2) analyze the data collected under section 19152 of this title, including funding rates of proposals from all groups, including those historically underrepresented in STEM;
- (3) collect and disseminate best practices to remove or reduce cultural and institutional barriers limiting the recruitment, retention, and success of groups historically underrepresented in STEM research careers; and
- (4) implement evidence-based policies and practices to achieve the goals of this section.

(Pub. L. 117-167, div. B, title V, §10503, Aug. 9, 2022, 136 Stat. 1610.)

§ 19154. Collection of data on demographics of faculty

(a) Collection of data

(1) In general

Not later than 5 years after August 9, 2022, and at least every five years thereafter, the Director of the National Science Foundation shall carry out a survey to collect data from award recipients on the demographics of STEM faculty, by broad fields of STEM, at different types of institutions of higher education that receive Federal research funding.

(2) Survey considerations

To the extent practicable, the Director of the National Science Foundation shall survey, by sex, race, socioeconomic indicators, which

may include employment status, occupation, educational attainment, parental education, and income, geographic location, ethnicity, citizenship status, and years since completion of doctoral degree—

- (A) the number and percentage of faculty;
- (B) the number and percentage of faculty at each rank;
- (C) the number and percentage of faculty who are in nontenure-track positions, including teaching and research;
- (D) the number and percentage of faculty who are reviewed for promotion, including tenure, and the percentage of that number who are promoted, including being awarded tenure;
- (E) faculty years in rank;
- (F) the number and percentage of faculty to leave tenure-track positions;
- (G) the number and percentage of faculty hired, by rank; and
- (H) the number and percentage of faculty in leadership positions.

(b) Existing surveys

The Director of the National Science Foundation, may, in modifying or expanding existing Federal surveys of higher education (as necessary)—

- (1) take into account the considerations under subsection (a)(2) by collaborating with statistical centers at other Federal agencies; or
- (2) make an award to an institution of higher education or nonprofit organization (or consortia thereof) to take such considerations into account.

(c) Reporting data

The Director of the National Science Foundation shall publish statistical summary data collected under this section, including as part of the National Science Foundation's report required by section 1885d of this title.

(d) Authorization of appropriations

There are authorized to be appropriated to the Director of the National Science Foundation \$4,000,000 in each of fiscal years 2023 through 2025 to develop and carry out the initial survey required under subsection (a).

(Pub. L. 117-167, div. B, title V, §10504, Aug. 9, 2022, 136 Stat. 1611.)

§ 19155. Cultural and institutional barriers to expanding the academic and Federal STEM workforce

(a) Best practices

(1) Development of guidance

Not later than 12 months after August 9, 2022, the Director, in consultation with the interagency working group on inclusion in STEM and utilizing existing guidance already developed by Federal research agencies where applicable, shall broadly disseminate to entities that receive Federal research funding best practices for—

- (A) conducting periodic climate surveys of STEM departments and divisions, with a particular focus on identifying and addressing any cultural or institutional barriers to