

Large-scale Survey of Work and Life in Scientific & Technological Profession in Japan

under Emergency Declaration due to COVID-19
and Requests to Japanese Government

EPMEWSE

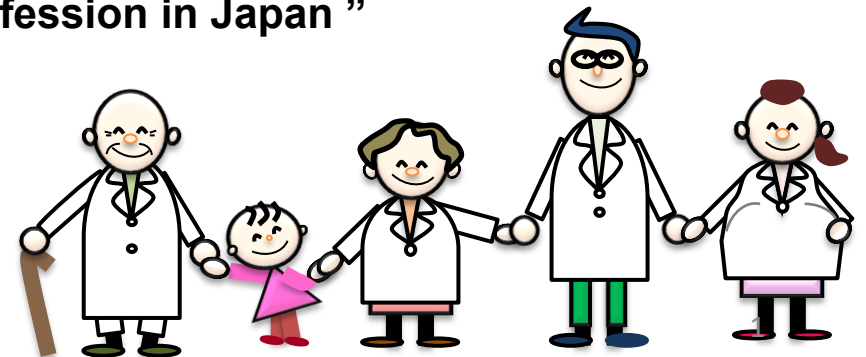
(Japan Inter-Society Liaison Association Committee for Promoting
Equal Participation of Men and Women in Science and Engineering)

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https://www.djrenrakukai.org/doc_pdf/2020/survey_covid-19/index.html

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Questionnaires by Google Form during May 15 - June 13, 2020

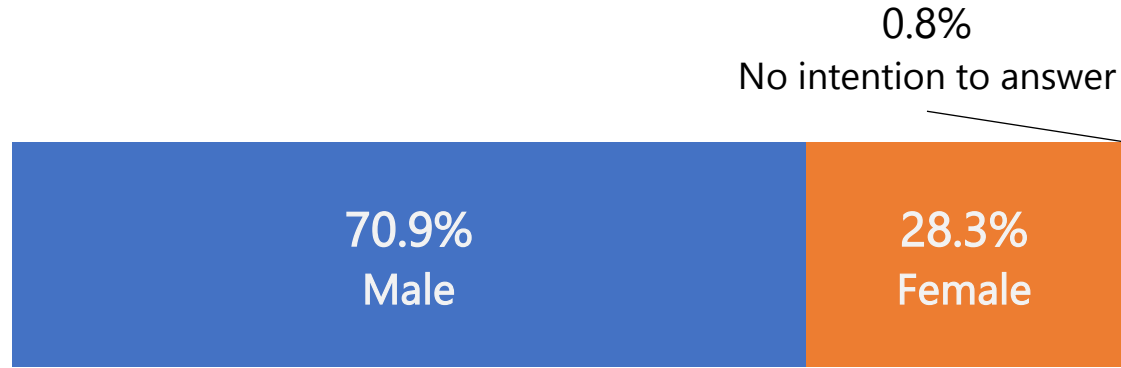


Fig.1 Gender

Respondents: 11,112
Male : 7,882
Female : 3,140
No intention to answer : 90

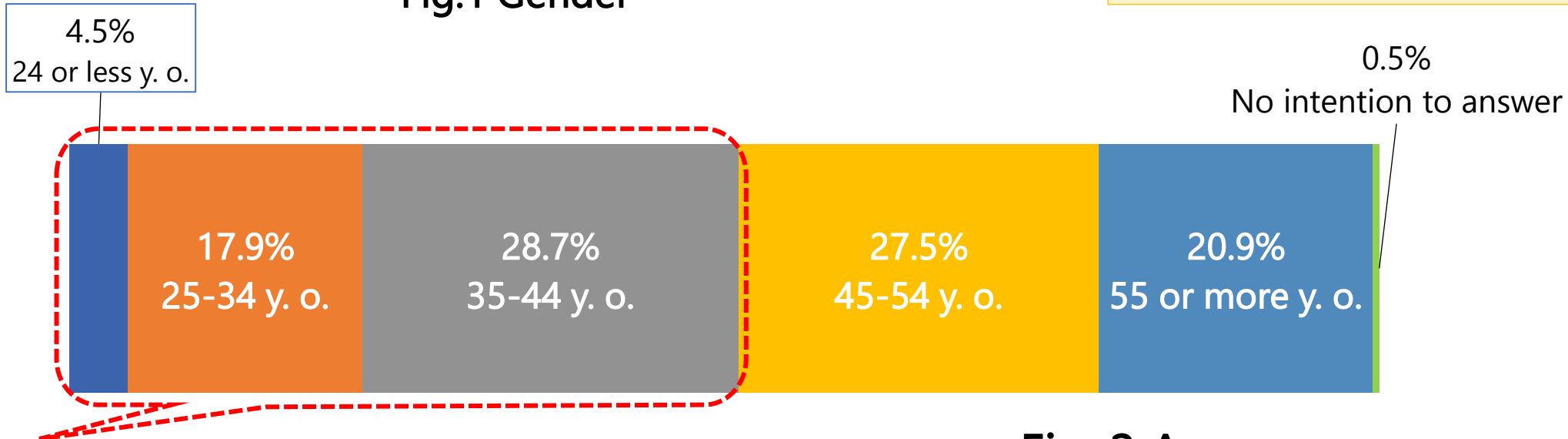


Fig. 2 Age

Less than 45 years old : 51.1%

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Specialized Area of Research (the closest one)

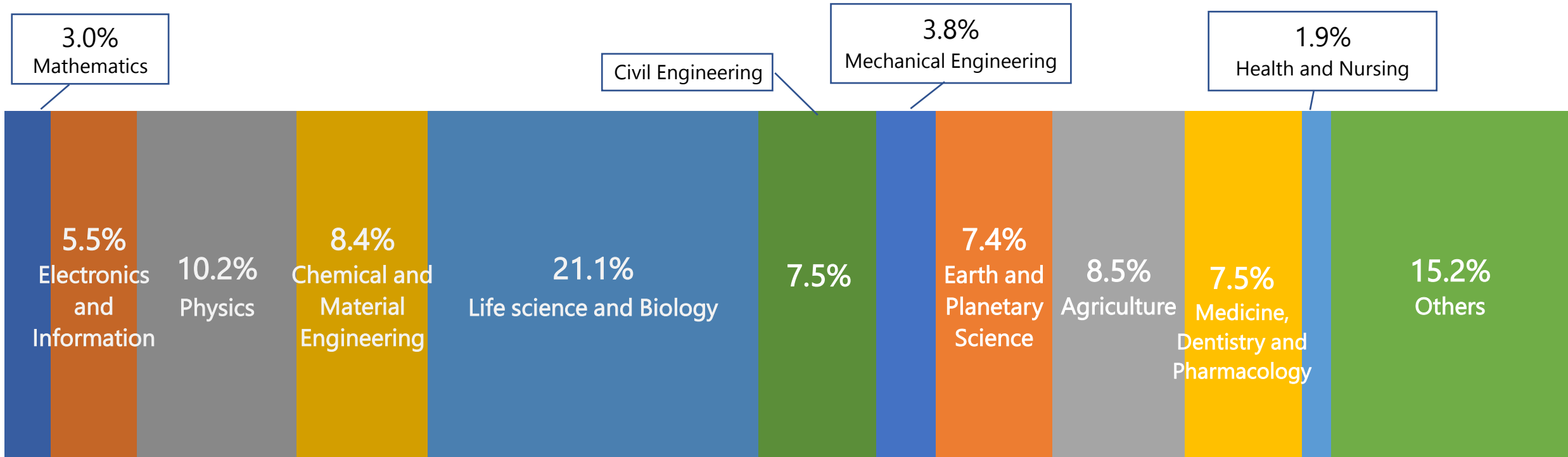


Fig. 3.1 Specialized Area of Research

Researchers of various areas responded. “Others” includes non-STEM areas.

Current Job Title

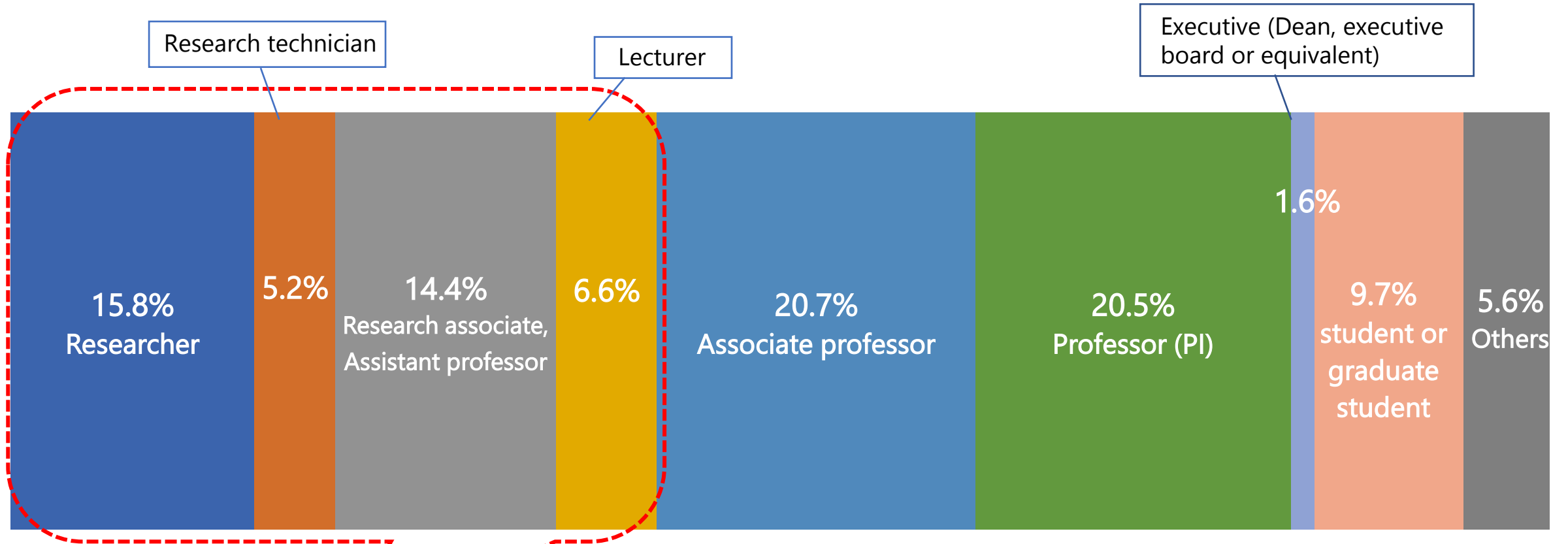


Fig. 3.2 Job Title

Lower title : 42.0%

Current Employment Status

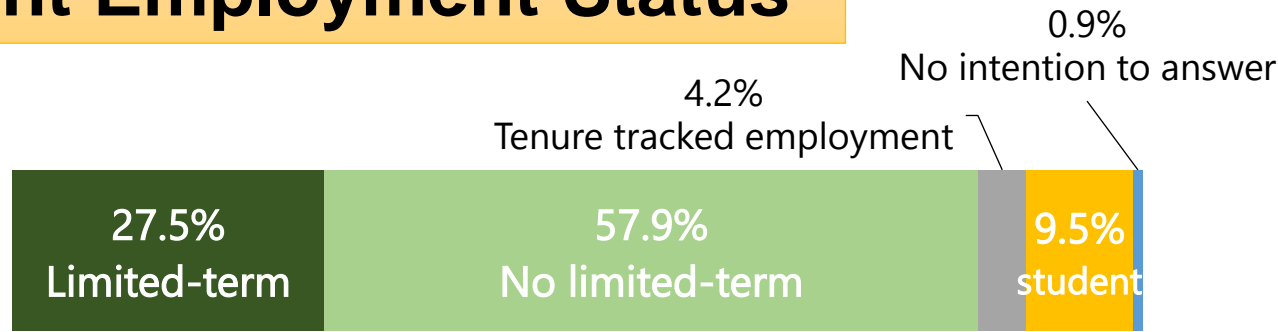


Fig. 3.3 Employment Status

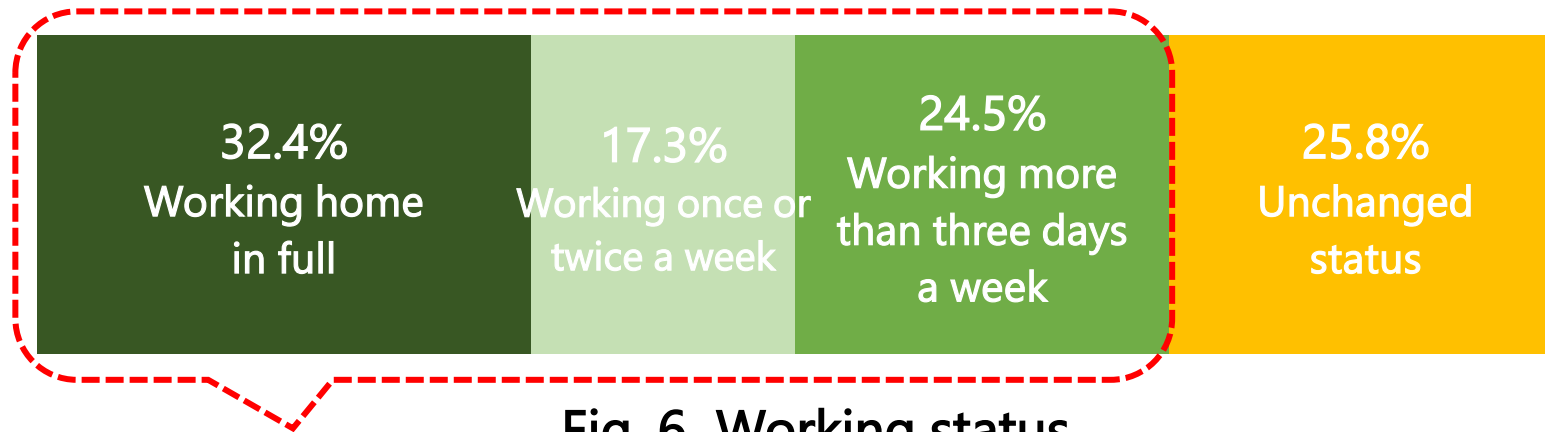


Fig. 3.3a Employment Status by Gender

- Limited-term (Including appointed, postdoc, temporary staff)
- No limited-term (Including regular employment, self-employment)
- Tenure tracked employment (Being allowed undergo review for a no limited-term employment)
- Student or graduate student

Employment of **Limited term** : Female 33.6% > Male 25.1%

Current Working Situation under Emergency Declaration



74.2% working almost home

Fig. 6 Working status



Fig. 7.1 Working Time of Research



Fig. 7.3 Quality of Research

Anxiety about Research Situation



Fig. 7.4 Level of Anxiety

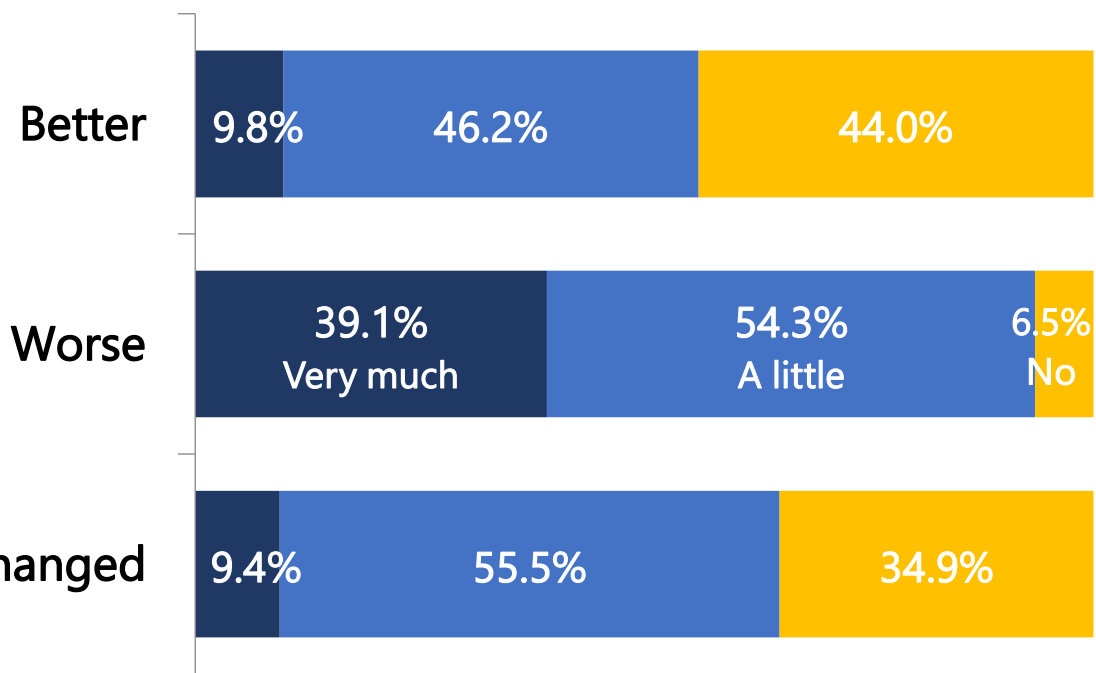


Fig. 7.3b Anxiety Level by Quality of Research

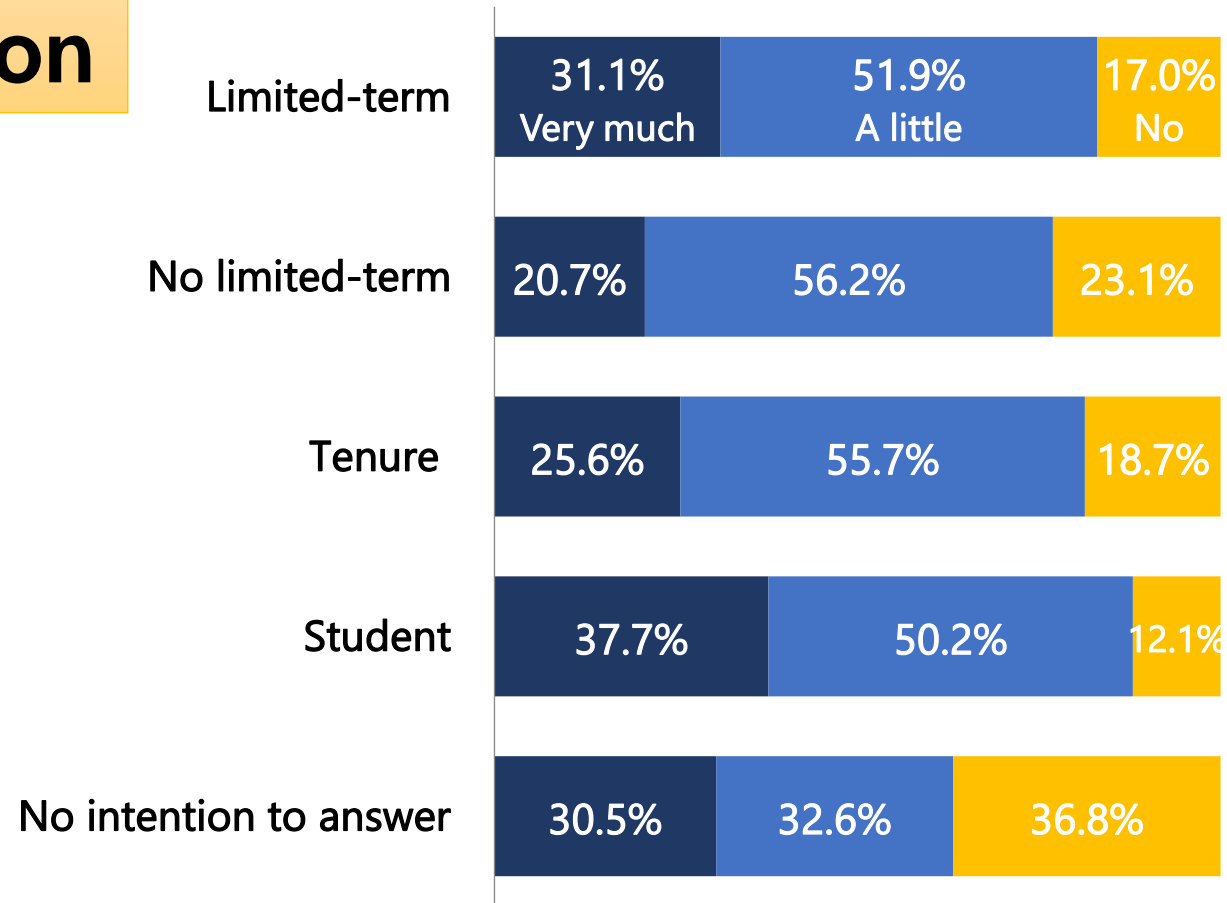


Fig. 7.4a Anxiety Level by Current Job

Limited-term & Students feel more anxious.

Anxiety about Research Situation in Detail

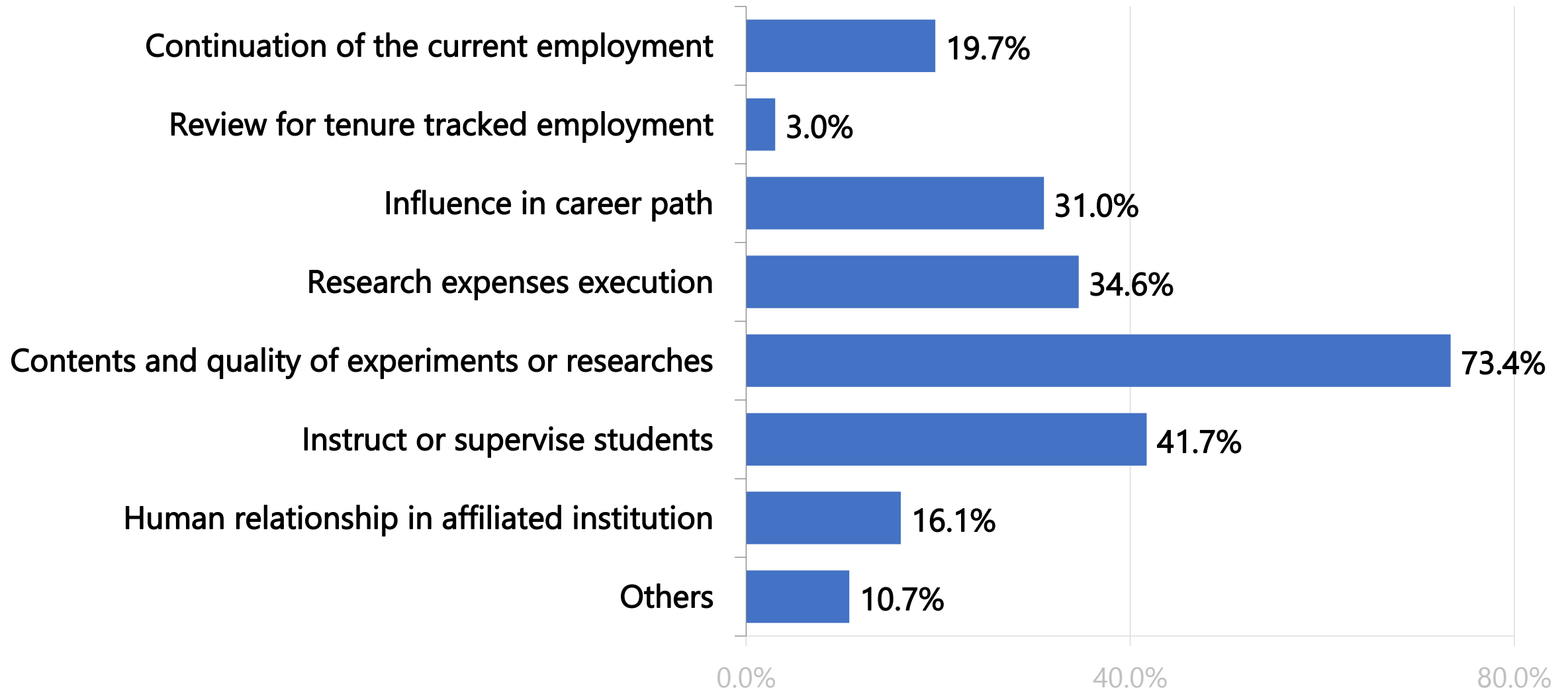


Fig. 7.5 Reasons of Anxiety

Anxiety about Research Situation Described in Detail

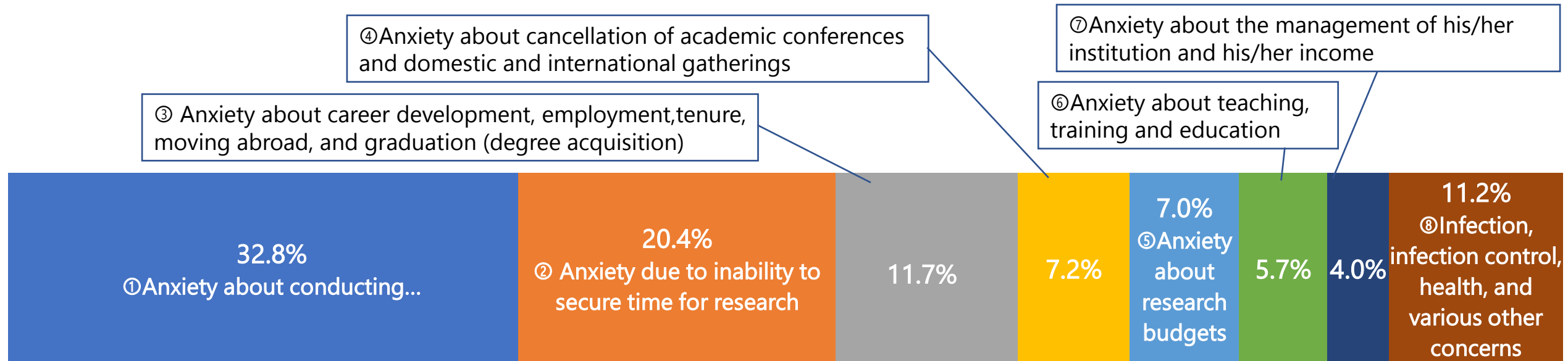


Fig. 7.5a Description in free style (984 responds)

① The most mentioned anxiety about conducting the research was "interruption of fieldwork due to mobility restrictions", followed by "anxiety about continuity and quality of research due to restrictions on facilities, equipment, and research content".

② For anxiety due to lack of time for research, many respondents claimed increased work on infection control, preparation for teleclasses, and housework, childcare, and nursing care.

Current Education under Emergency Declaration



Fig. 8.1 Time spent for education



Fig. 8.2 Contents of Education

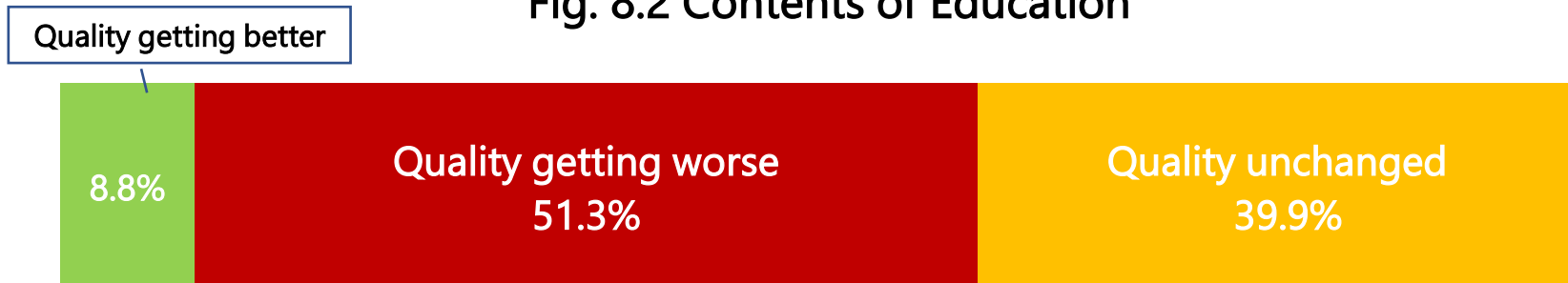


Fig. 8.3 Quality of Education

The majority of respondents reported spending more time on education and making changes to the content of education, but the quality of education has decreased.

Anxiety about Education



Fig. 8.4 Anxious about the status of education

84.6% of the survey respondents had concerns about education.

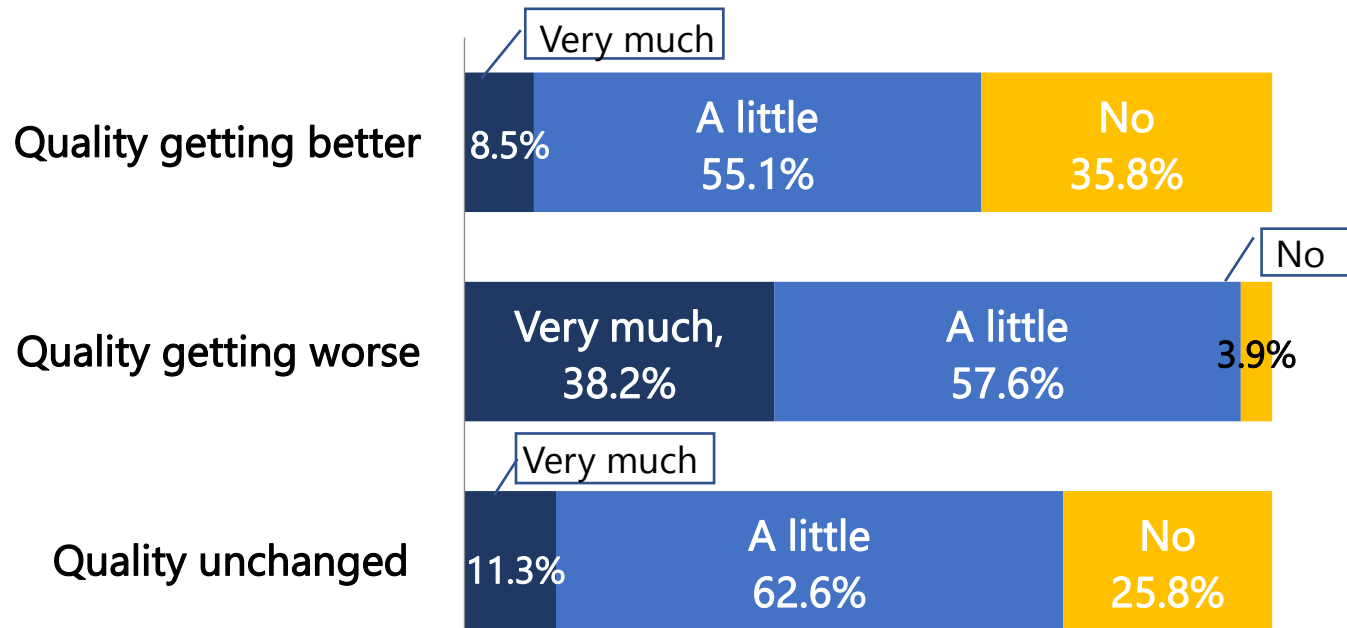


Fig. 8.4a Quality for Education vs. Anxiety

Respondents who answered that the quality of education has declined are more concerned.

Anxiety about Education

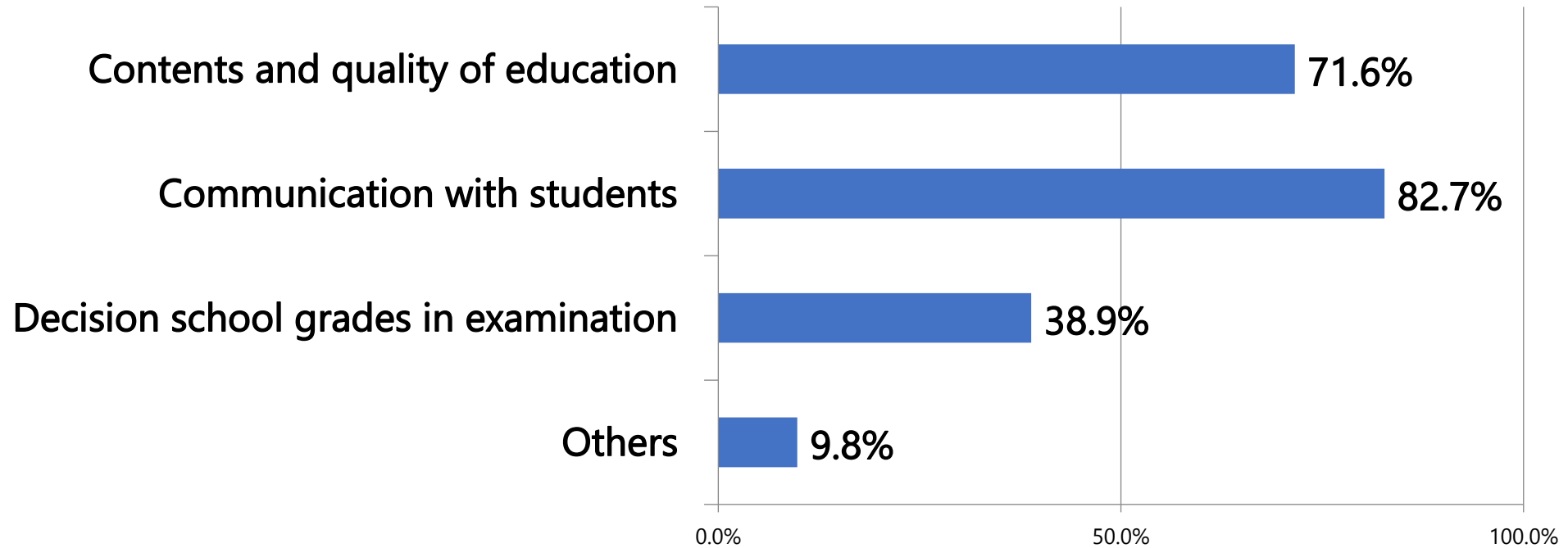
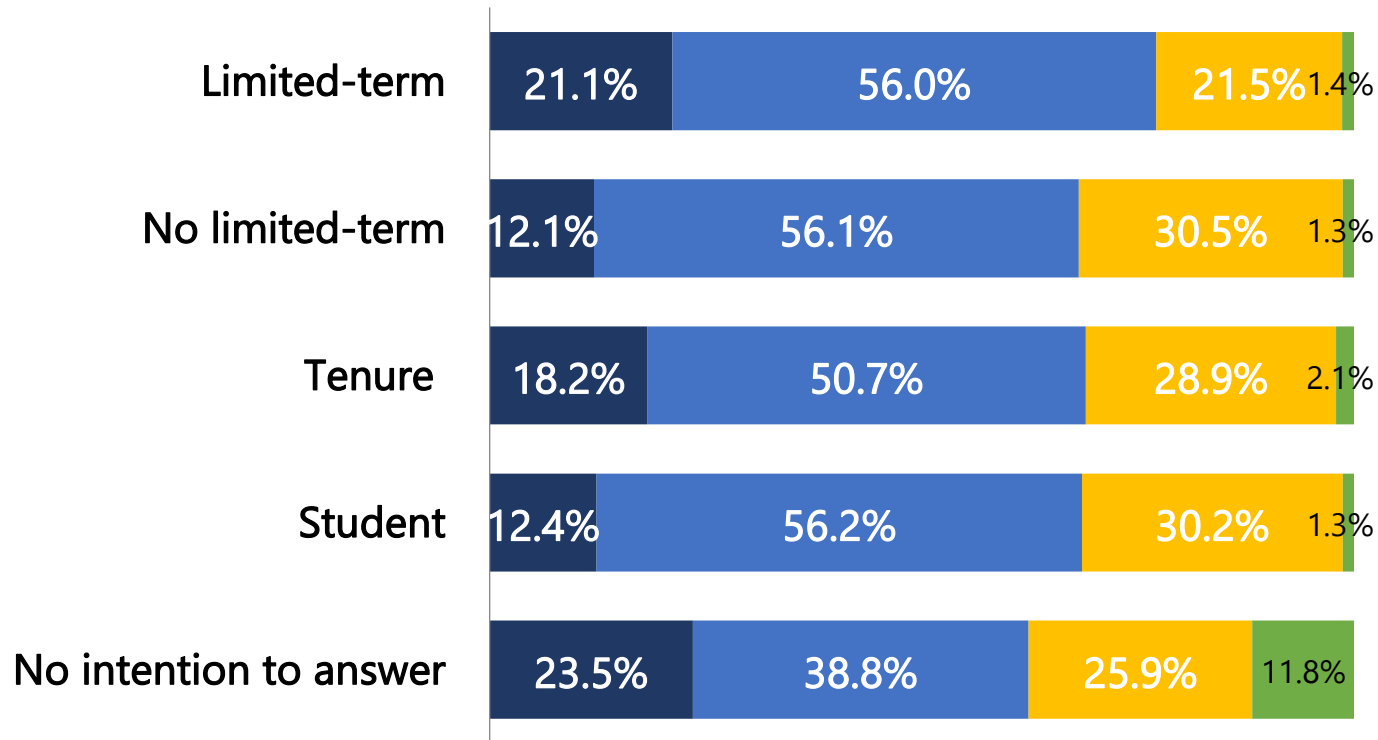


Fig. 8.5 Description of Anxiety about the Status of Education

Anxiety outside of Research/Education



Fig. 9.1 Anxiety outside of Research /Education



Limited-term is the most anxious about life outside of research and education, followed by students

The precarious position of a Limited-term and a student is highly anxious, both in research life and in personal life.

Fig. 9.1a Anxiety Level by Current Employment Status

Anxiety outside of Research/Education

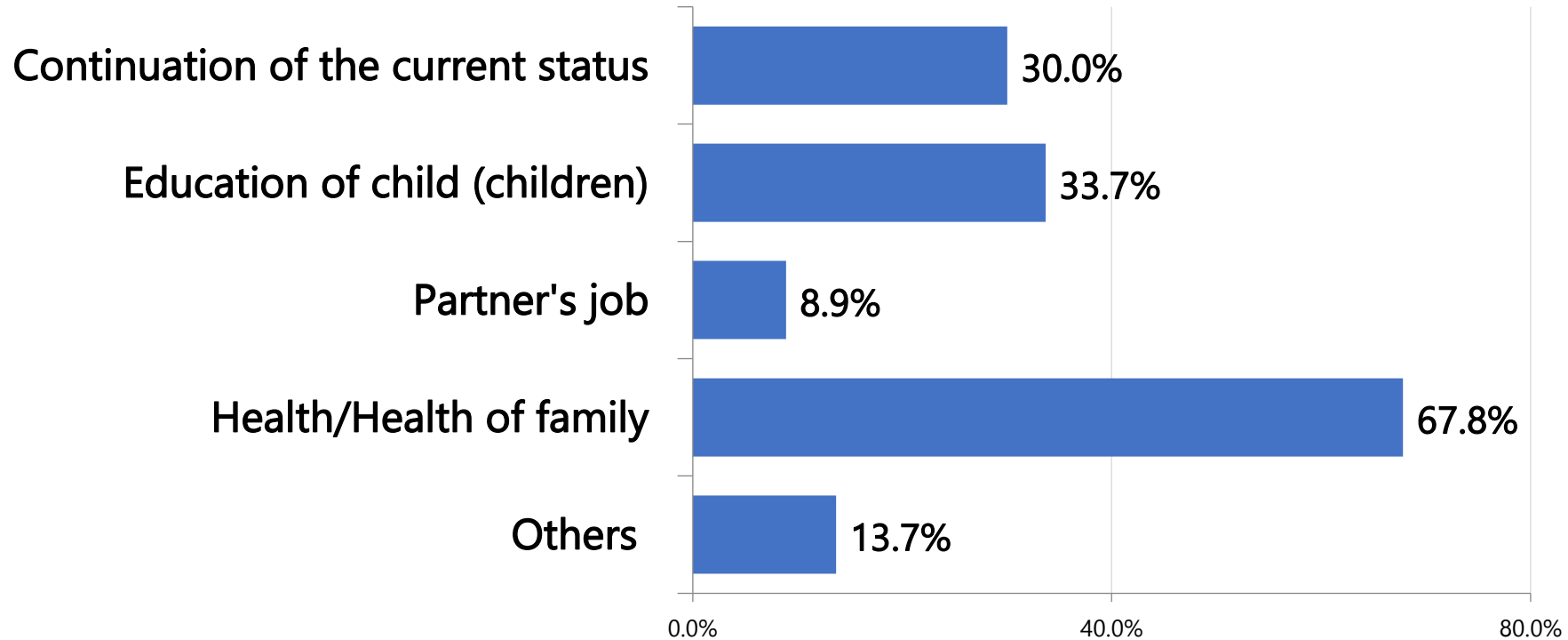


Fig. 9.2 Reasons of Anxiety by Current Employment Status

Obstacles/Problems in Working

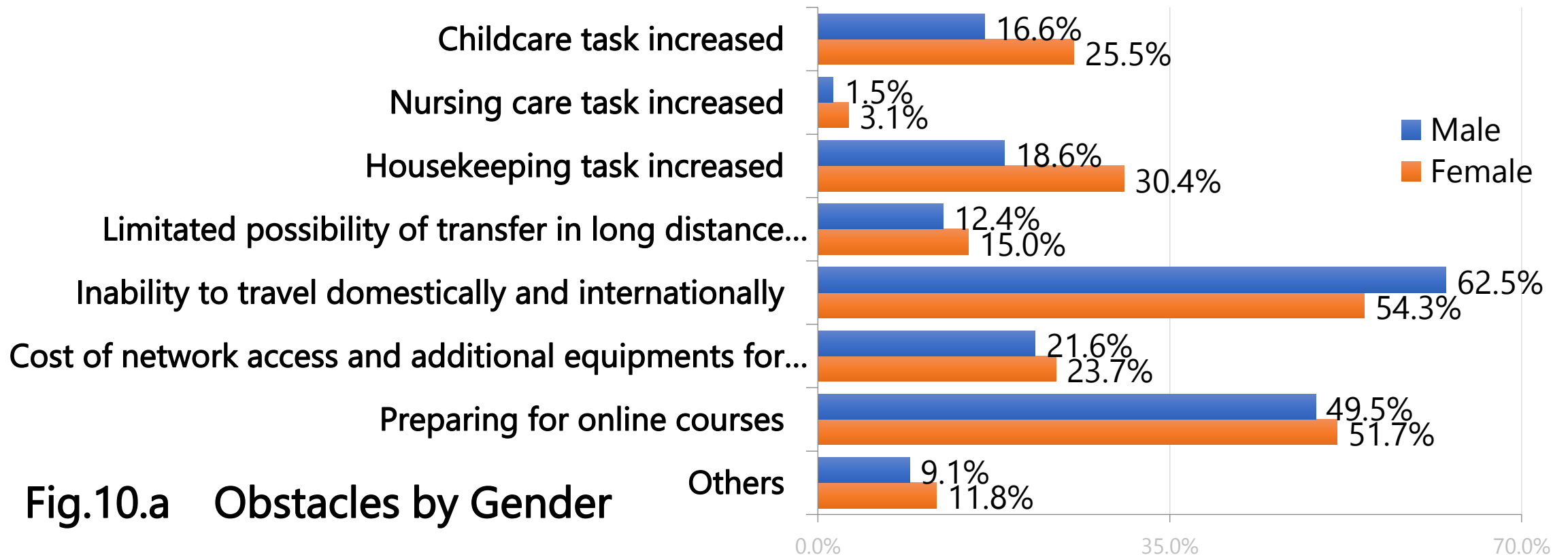


Fig.10.a Obstacles by Gender

- Both males and females are severely obstructed by the inability to travel.
- The burdens of housekeeping and childcare are chosen more often by females than males.

Requests of Support for Research

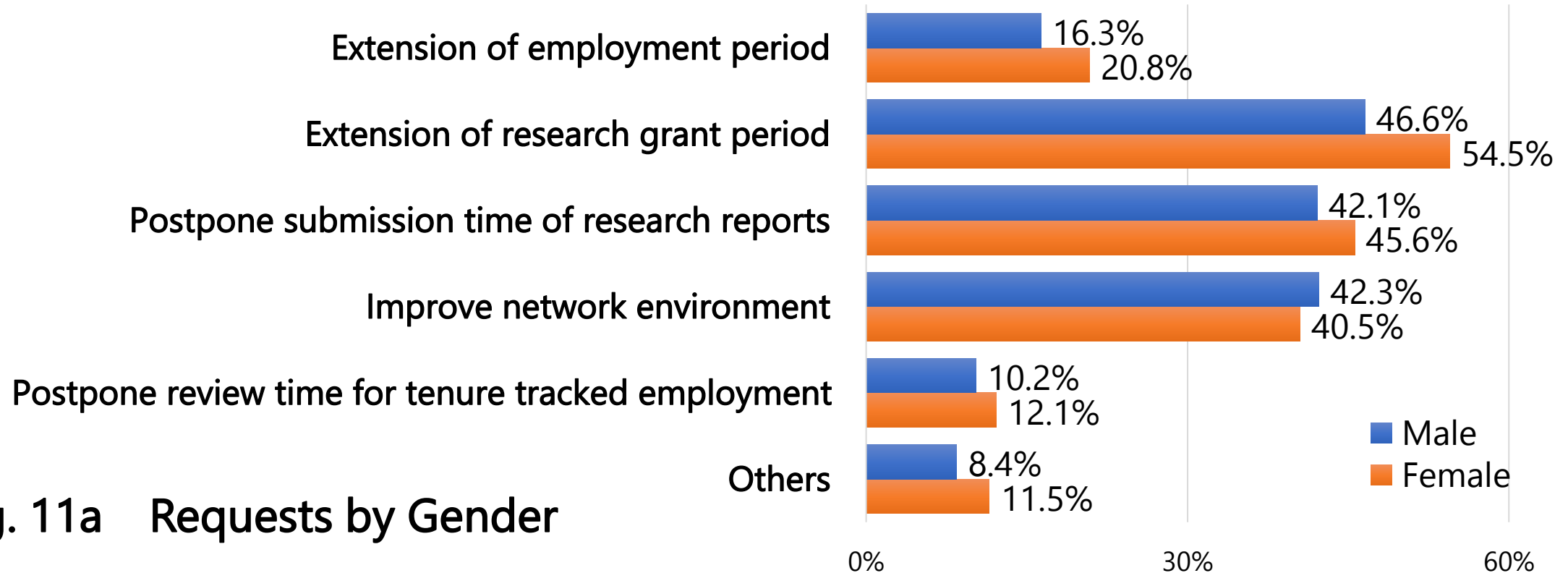


Fig. 11a Requests by Gender

- Both males and females selected extension of the research grant period most frequently.
- Females express needs for extension of grant period, employment period and deadlines of reports more frequently than males.

Requests of Support for Research in Detail

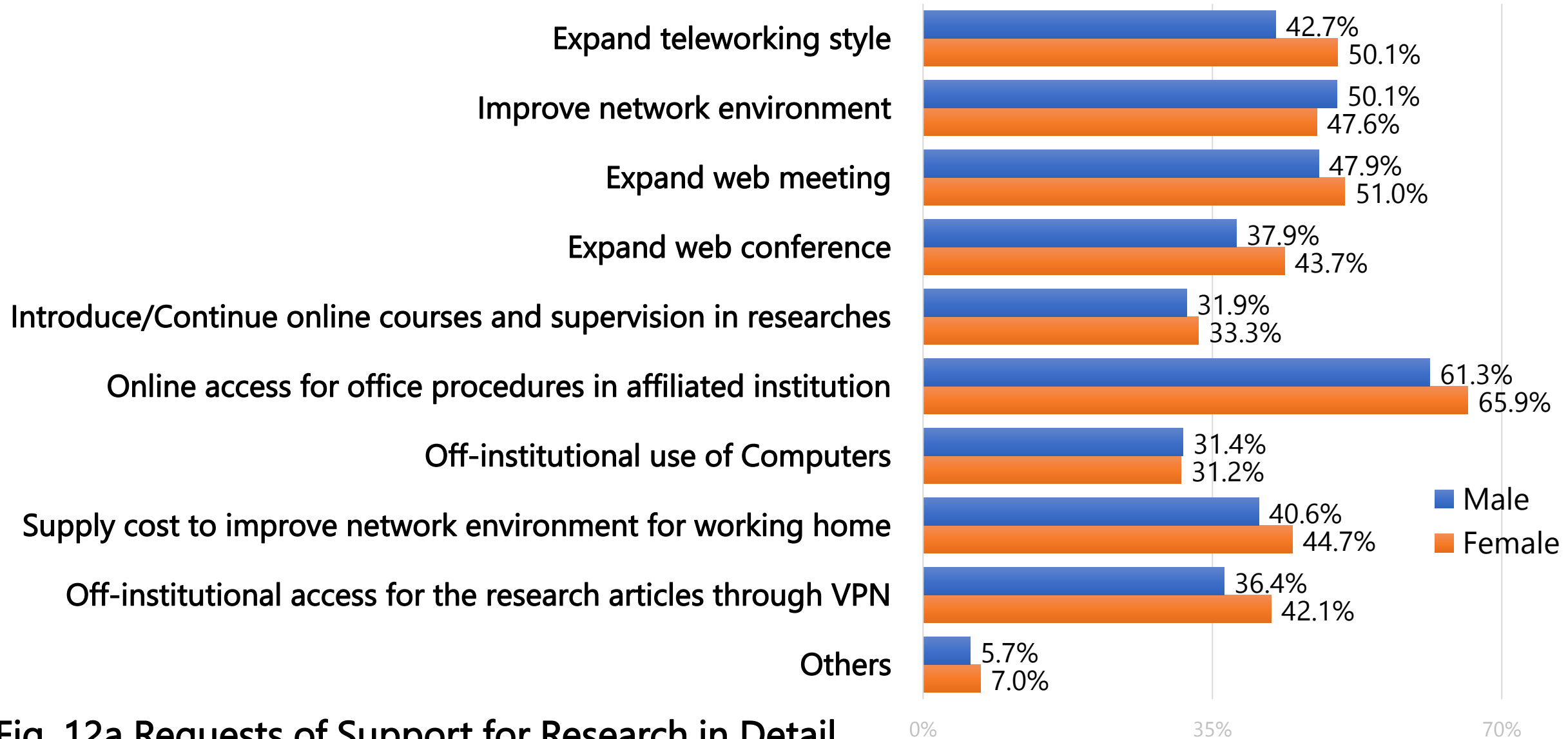


Fig. 12a Requests of Support for Research in Detail

Want to continue Working Home ? If so, Describe Reasons.

Both females & males reply Yes in major.
Female's reason relies on family.

Baby (Babies) or Pupil(s) in Pre-school

Pupil(s) in Elementary/Middle school/High school

Adult(s) more than 18 years

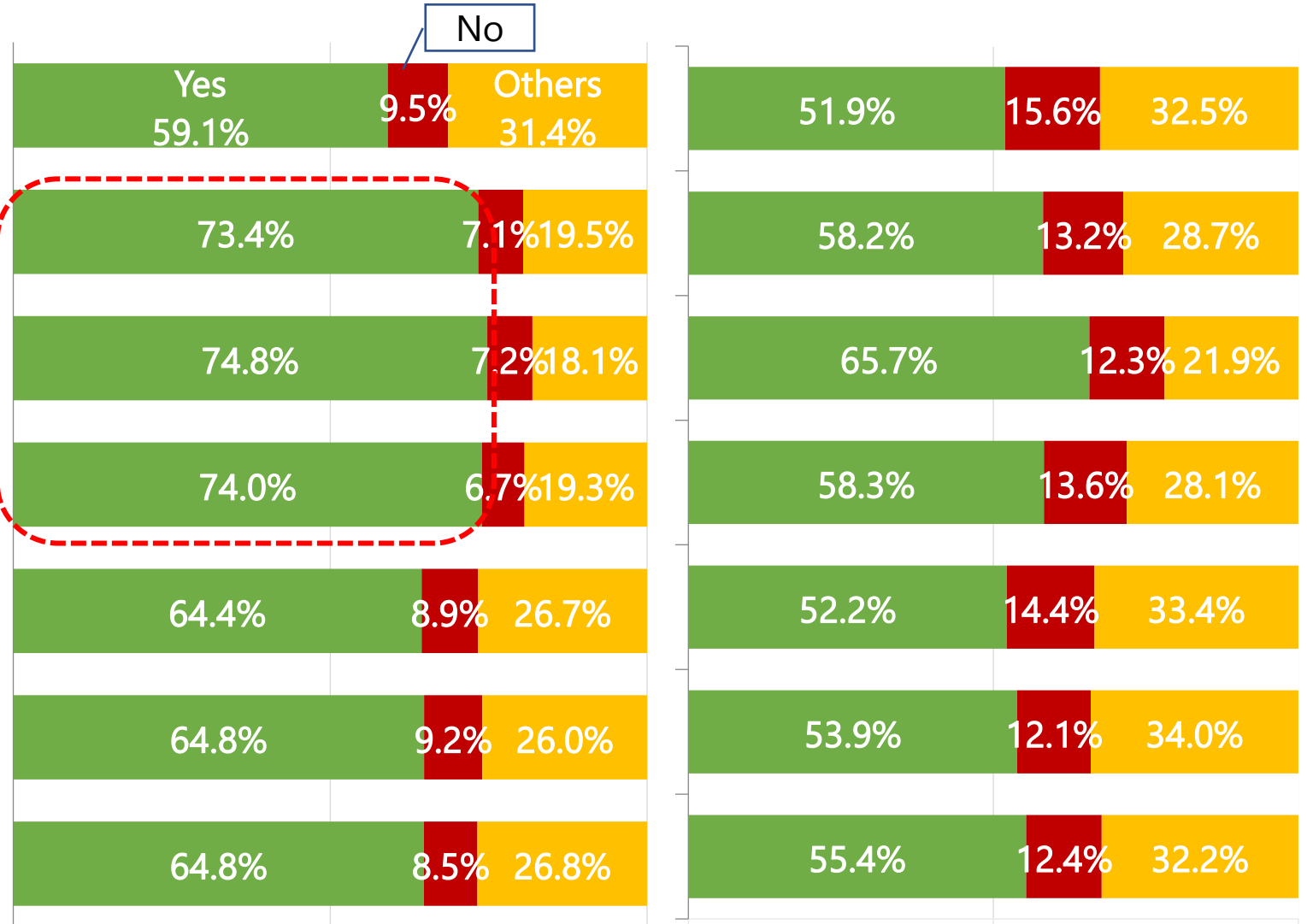
Parent(s)

Others

Female



Living with whom



Male

Survey Wrap-Up

- (1) Due to various restrictions under the emergency declaration, about 80% of respondents have anxiety for research and education.**
- (2) Limited-term employees and students are most anxious.**
- (3) Increased childcare/nursing/housekeeping has caused obstacles in work, especially against female researchers.**
- (4) The majority of both female and male respondents want to continue working from home even after the end of the COVID-19 pandemic.**

Requests to Japanese Government from EPMEWSE

- (I) **Extend the period of** employment and research grant
- (II) **Postpone the deadline** of research reports and reviews for tenure track
- (III) **Support** jobs researchers who were obliged to return to Japan
- (IV) **Expand** web meeting, web conference and official teleworking by improving network environment
- (V) **Reform** awareness to improve the environment of Female's status in working