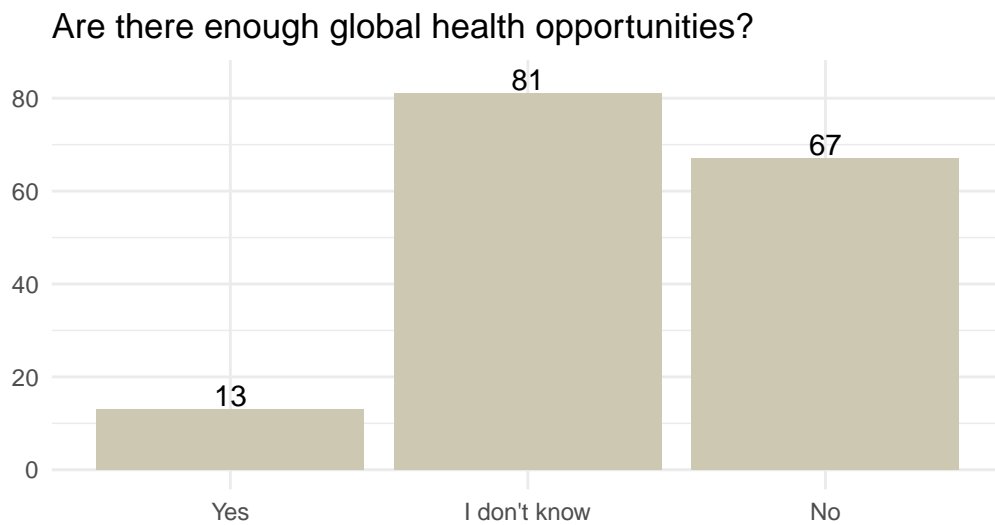Caleb Skinner

Global Health Survey Questions 6-10

Questions:

6. In your opinion, are there enough global health opportunities available to US pre-medical students?

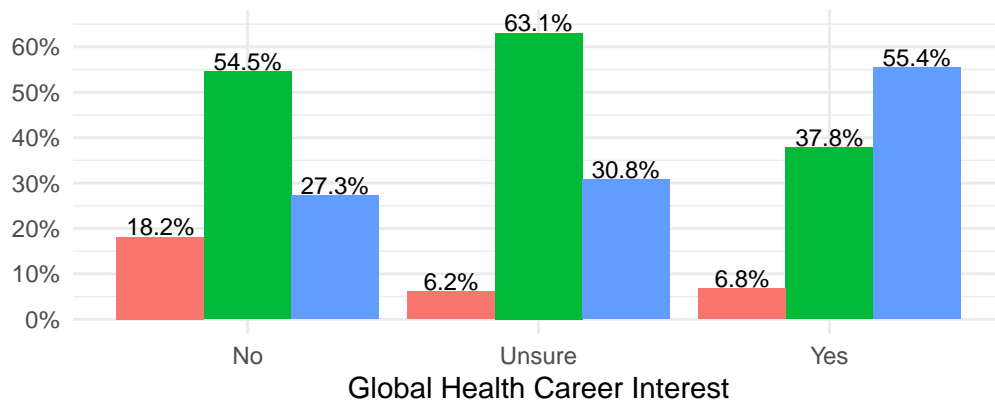A. Overall Results for Global Health Opportunities Availability.

Are there enough global health opportunities?

Opportunities in Global Health by Global Health Interest

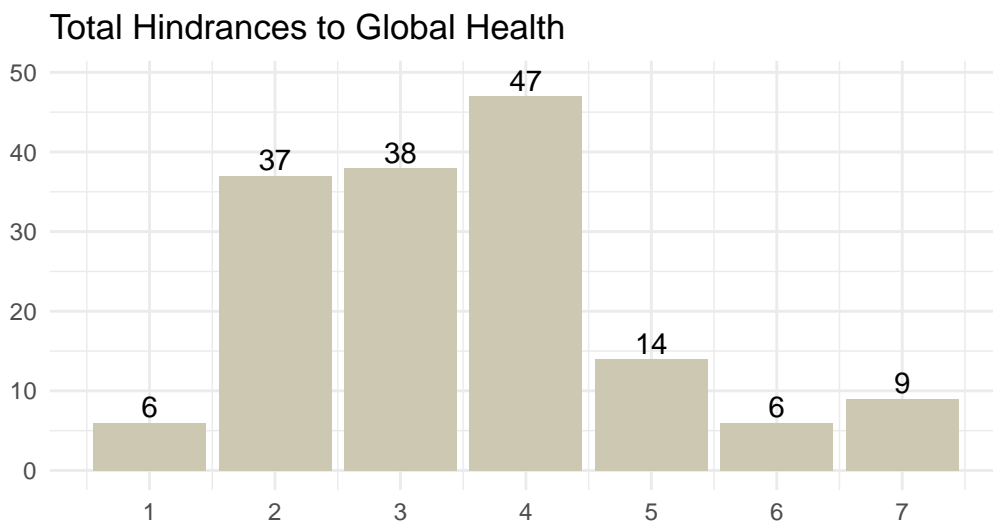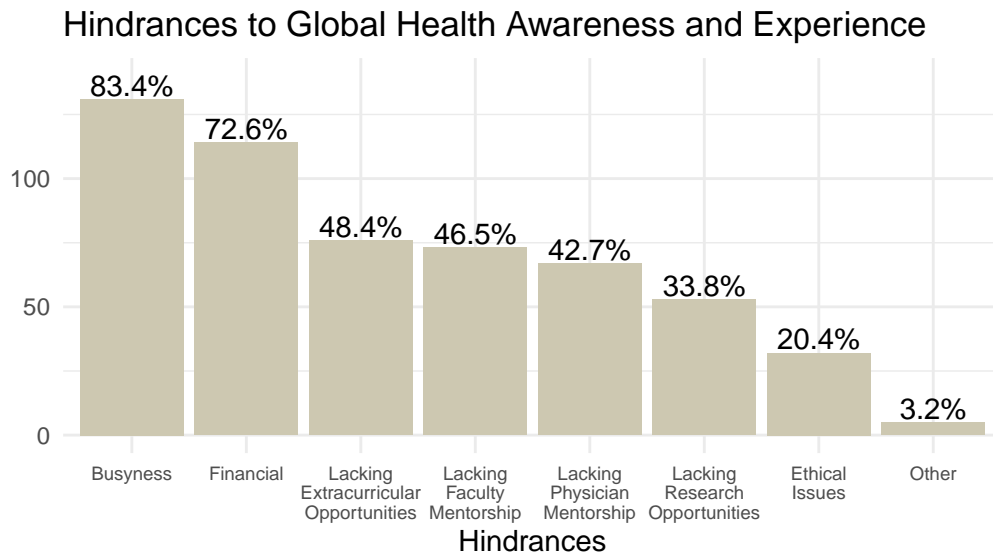## Opportunities in Global Health by Global Health Interest
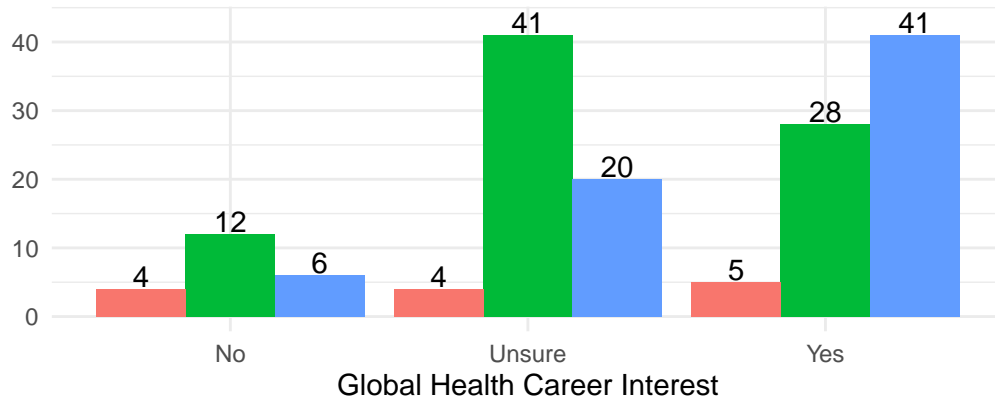
The following is a t-test measuring the difference in belief that there are sufficient Global Health opportunities for pre-med students in those who have expressed interest in a Global Health Career and those who have not. For this t-test, I counted "I don't know" responses to the sufficient Global Health Opportunities Question as 1/2 a "yes" and 1/2 a "no". The results are significant. Those who have express an interest in a Global Health Career indicate that there are not sufficient Global Health Opportunities at a higher rate than those who have not expressed an interest in a Global Health Career.

```
#
#   Welch Two Sample t-test
#
# data:  df18ttest %>% filter(Q14 == "No") %>% select(Q18) and df18ttest %>% filter(Q14 == "Y
# t = 2.4289, df = 32.145, p-value = 0.02091
# alternative hypothesis: true difference in means is not equal to 0
# 95 percent confidence interval:
#   0.03194622 0.36363118
# sample estimates:
# mean of x mean of y
# 0.4545455 0.2567568
```
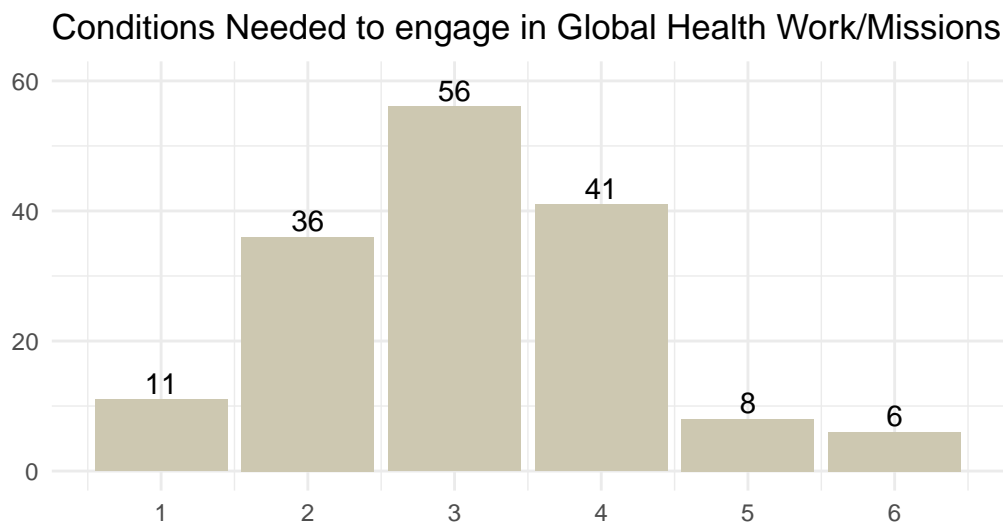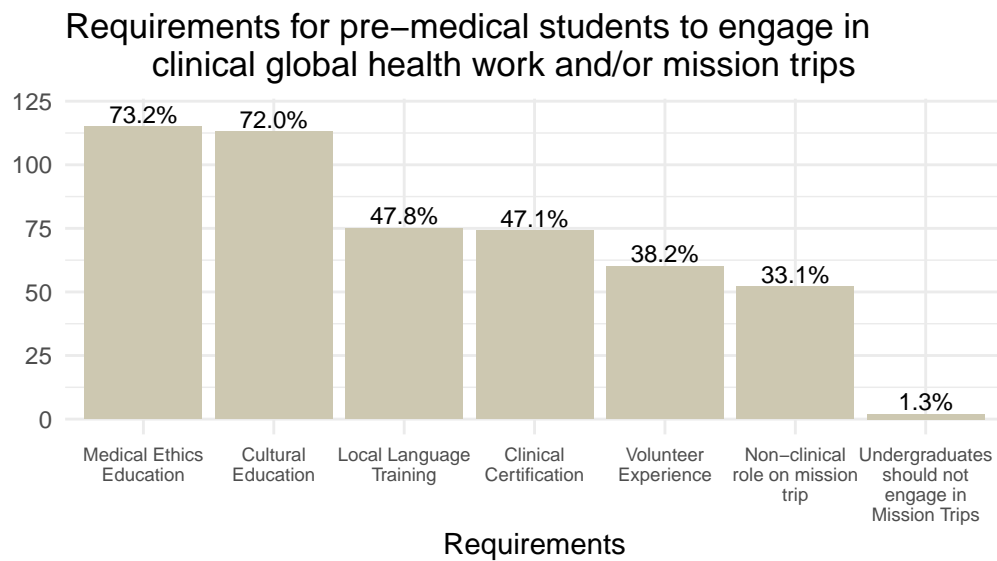
The following is a second t-test measuring the difference in belief that there are sufficient Global Health opportunities for pre-med students in those who have expressed interest in a Global Health Career and those who have not. For this t-test, I removed all "I don't know" responses. The results are not significant. This is likely because a large amount of respondents selected "I don't know." This drops the sample size to only 80.

```
#
#   Welch Two Sample t-test
#
# data:  df18ttest %>% filter(Q14 == "No", Q18 != 0.5) %>% select(Q18) and df18ttest %>% filt
# t = 1.7159, df = 10.498, p-value = 0.1155
# alternative hypothesis: true difference in means is not equal to 0
# 95 percent confidence interval:
#   -0.08453279  0.66714149
# sample estimates:
# mean of x mean of y
# 0.4000000 0.1086957
```

7. Which, if any, of the following do you perceive as reasons it is difficult for undergraduate pre-medical students to learn more about global health and gain experience in the field prior to medical school?

Hindrances to Global Health Awareness and Experience

Hindrance	Percentage
Busyness	83.4%
Financial	72.6%
Lacking Extracurricular Opportunities	48.4%
Lacking Faculty Mentorship	46.5%
Lacking Physician Mentorship	42.7%
Lacking Research Opportunities	33.8%
Ethical Issues	20.4%
Other	3.2%

Total Hindrances to Global Health

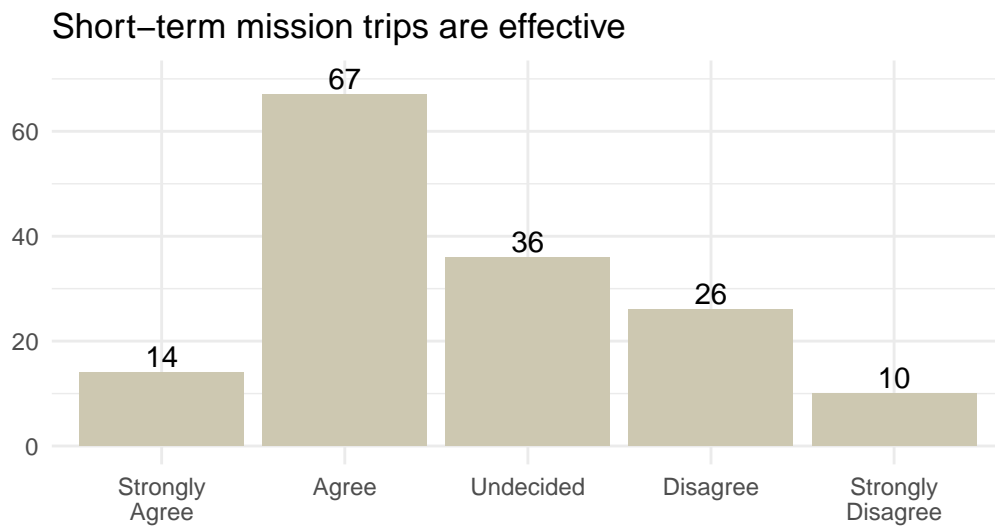| Number	Count
1	6
2	37
3	38
4	47
5	14
6	6
7	9

4

8. What do you think should be required for pre-medical students to engage in clinical global health work and/or mission trips?

Requirements for pre–medical students to engage in clinical global health work and/or mission trips

Requirement	Percentage
Medical Ethics Education	73.2%
Cultural Education	72.0%
Local Language Training	47.8%
Clinical Certification	47.1%
Volunteer Experience	38.2%
Non–clinical role on mission trip	33.1%
Undergraduates should not engage in Mission Trips	1.3%

Requirements

Conditions Needed to engage in Global Health Work/Missions

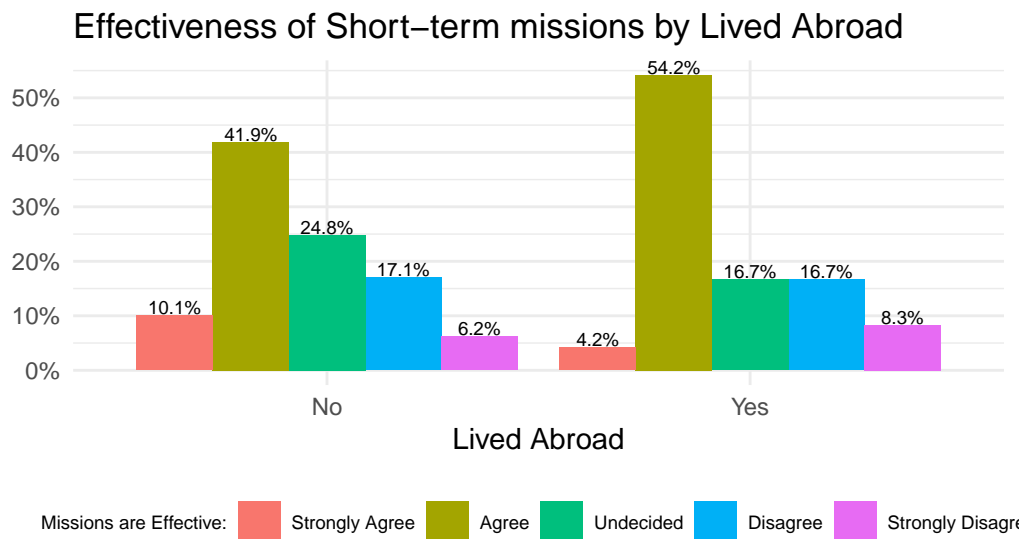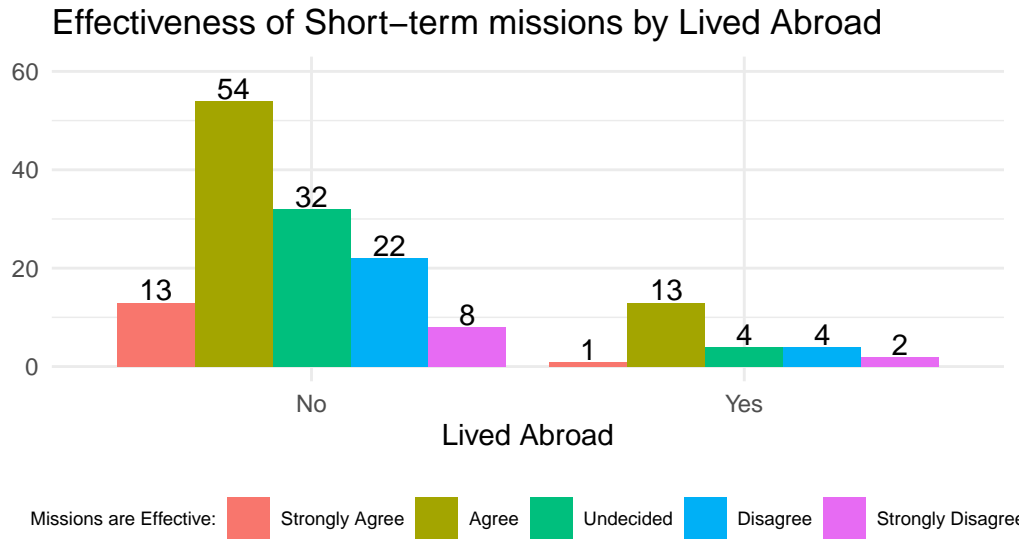| Value	Count
1	11
2	36
3	56
4	41
5	8
6	6

9. Short-term mission trips are an effective way to address global health challenges.

A. Overall Results

Short–term mission trips are effective

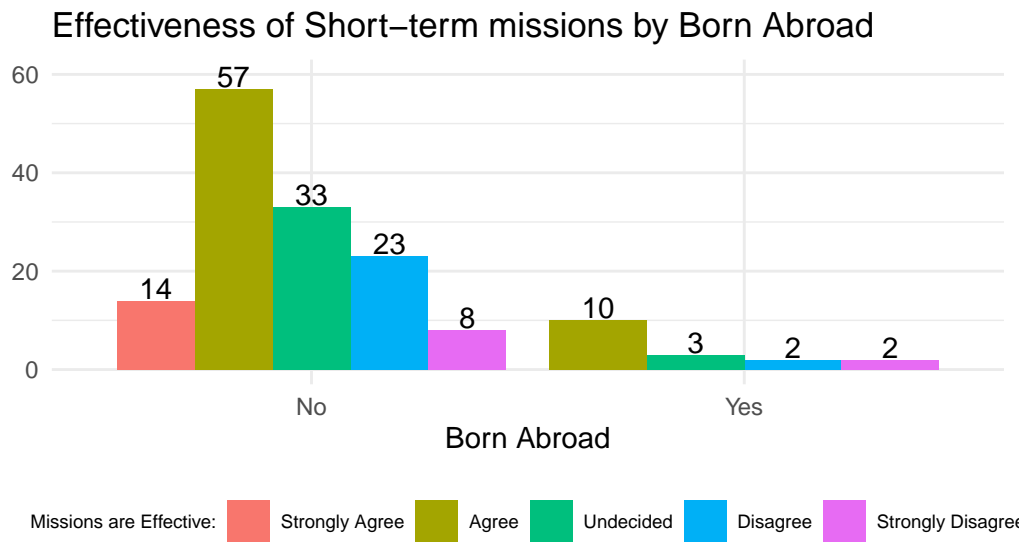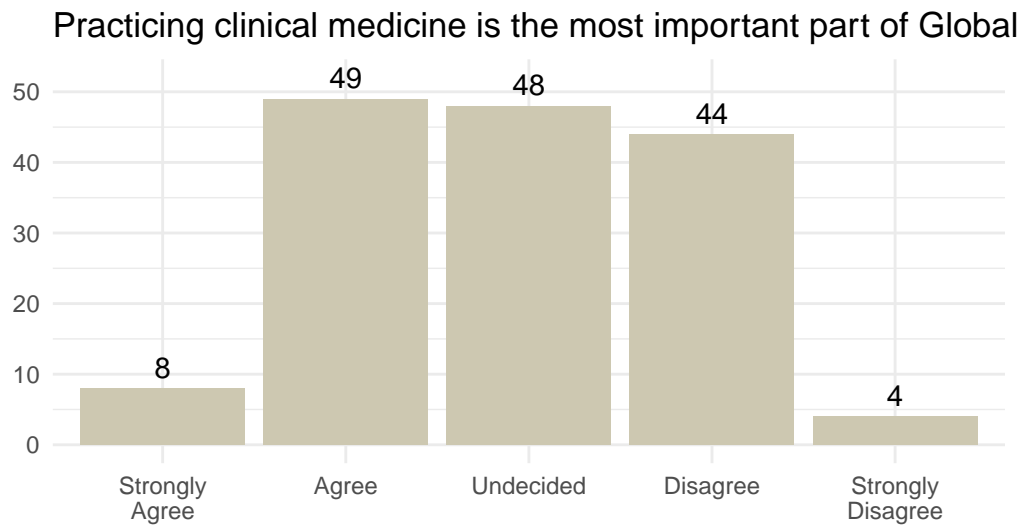|	Strongly Agree	Agree	Undecided	Disagree	Strongly Disagree
	14	67	36	26	10

Effectiveness of Short−term missions by Lived Abroad

Effectiveness of Short−term missions by Lived Abroad

Effectiveness of Short−term missions by Born Abroad

Missions are Effective: ■ Strongly Agree ■ Agree ■ Undecided ■ Disagree ■ Strongly Disagree

Effectiveness of Short−term missions by Lived Abroad

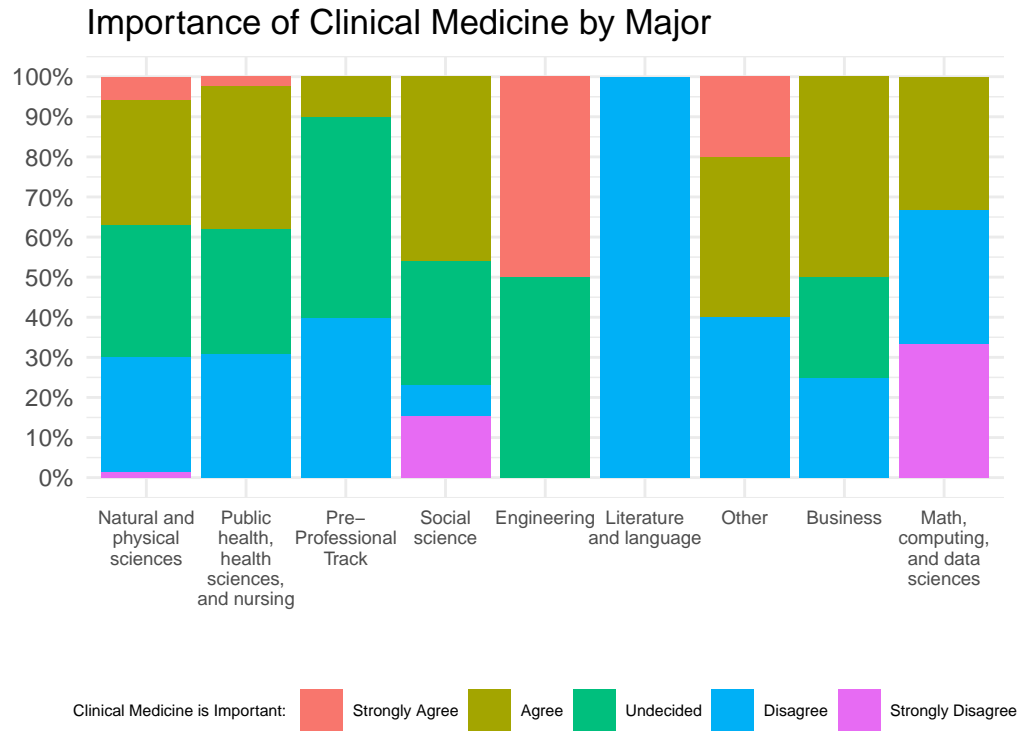Missions are Effective: ■ Strongly Agree ■ Agree ■ Undecided ■ Disagree ■ Strongly Disagree
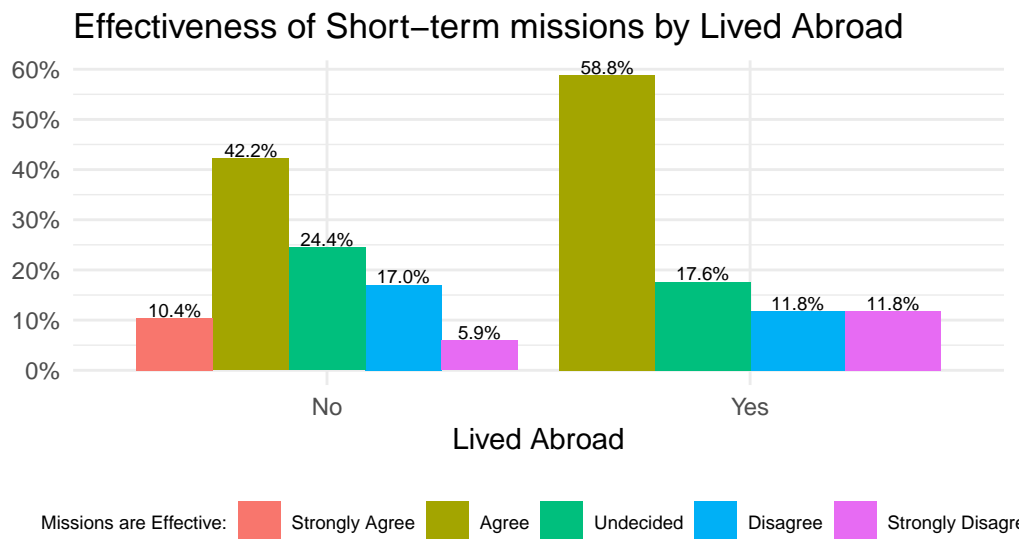
10. Practicing clinical medicine is the most important aspect of global health.

A. Overall Results

Practicing clinical medicine is the most important part of Global

B. Importance of Clinical Medicine by Major

Importance of Clinical Medicine by Major

Importance of Clinical Medicine by Global Health Interest

Importance of Clinical Medicine by Global Health Interest