

PEDIATRIC RESIDENCY TRAINING DURING THE PANDEMIC



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LECTURE OUTLINE

❖ Socio-demographic profile

❖ HAB hospitals

❖ Resident physicians



❖ Effects of the Covid-19 Pandemic on Residents':

- Training
- Service
- Rotation
 - Sub-specialties
 - Community
- Research
- Residents' personal life and well-being



EFFECTS of the COVID -19 PANDEMIC

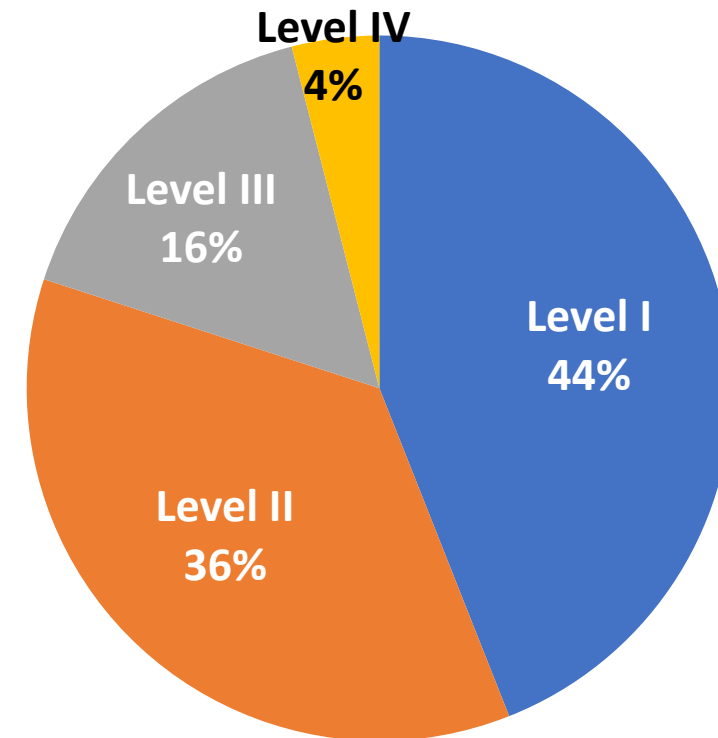
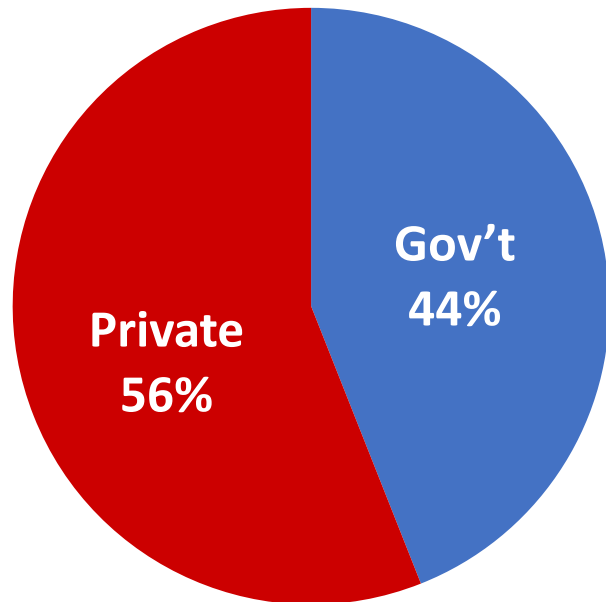


**Survey accomplished by PPS HAB
Department Chairs**

Survey of PPS HAB Hospitals

N = 102 (102/112: 91%) Level of Accreditation

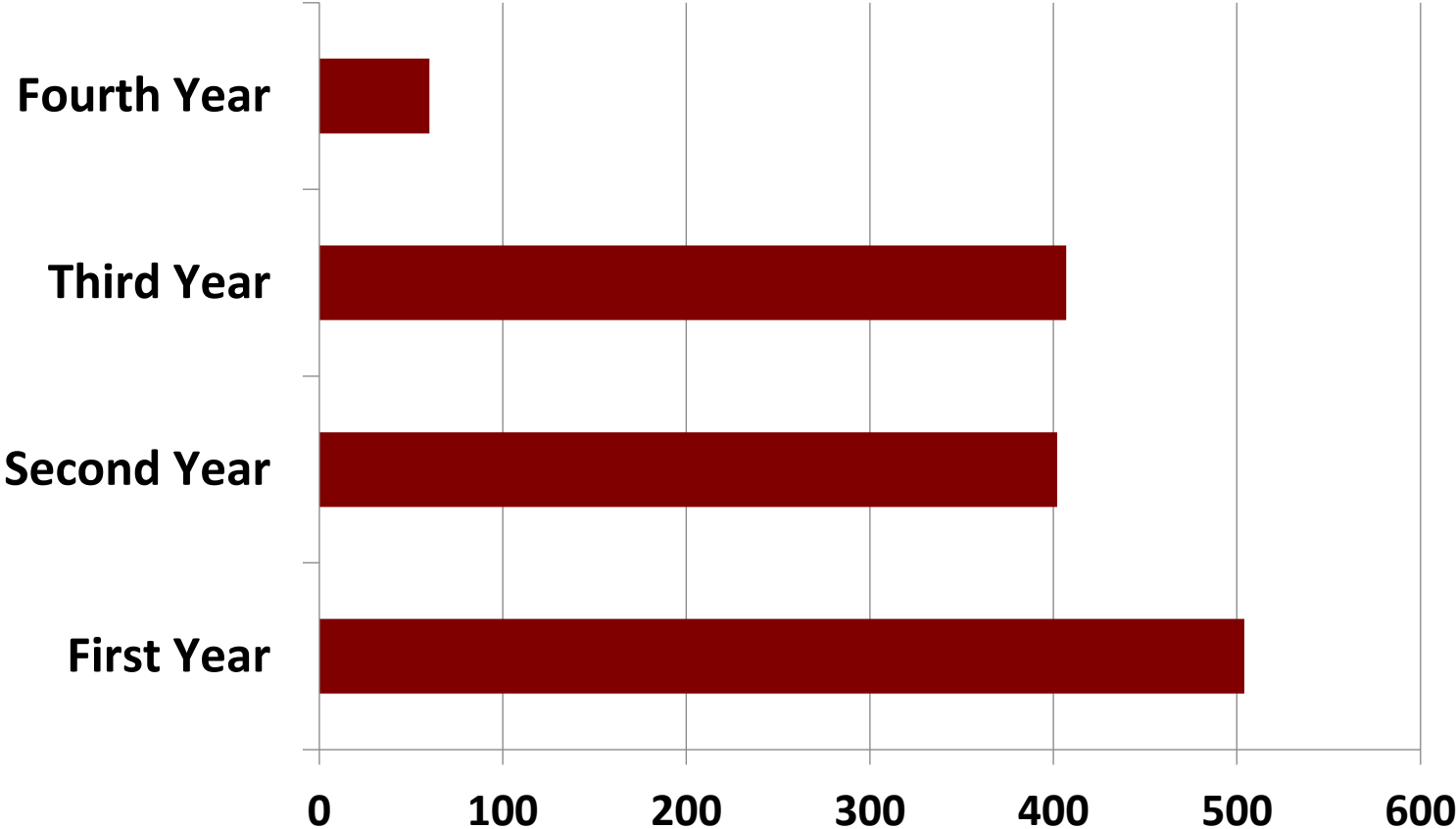
Type of Hospital



Level I: 44%
Level II: 36 %
Level III: 16%
Level IV: 4%



Resident Distribution



Fourth Year: 60
Third Year: 407
Second Year: 402
First Year: 504
TOTAL - 1373



Training Issues

N = 1373 Residents

Infected by COVID 19	108	8%
Mental Health Issues	111	8%
Quit	40	3%

Common Reasons for Quitting:

- 1. Illness**
- 2. Burn out**

Department Support Provided

- Emotional and mental health support/counseling
- Provision of PPE, free testing, hazard pay
- Food, housing, financial aid
- Lectures/SGDs
- Adjusted schedule



Service Issues: Schedule of Residents

N= 102 hospitals

Type/Duty Schedule	# Hospitals	Percentage
Skeletal Duties	67	66%
No Change in Schedule	17	17%
Pediatric Residents Enforced to see Adult Patients	5	5%
Other Schedule Scheme	13	13%



Service Issues: Patient Census

N= 102 hospitals

Clinical Units	Reported Decrease	% Decrease
Ward	98%	65%
Nursery	53%	34%
ER	96%	64%
OPD	99%	73%
PICU	78%	53%



Measures to Compensate for Decrease in Patient Census

- **Online conferences, case presentations, admitting conferences**
- **Online OPD consultations/Telemedicine**
- **Skeletal duties**
- **Didactic Videos**
- **Agreement with a tertiary government hospital for online conferences**
- **Increase in the number of online conferences**



Subspecialty and Community Rotation

- 90% of hospitals modified subspecialty and community rotation
- Modifications done:

Use of social media and pamphlets

Virtual care for the community is developed

Virtual case conferences

Virtual home visit

Virtual referral

Virtual subspecialty lecture and preparing infomercials for the community



Research Requirements

- **51%** modified research requirements
- **49%** had no change in research requirements
- **Modifications done with research requirements:**
 - a. Change of researches to meta-analysis and retrospective studies**
 - b. Provided funding for research protocol review**
 - c. Researches using online data collection**



Modifications with Teaching and Learning Activities

- **Provided all activities online: conferences, lectures, journal report through various platforms (zoom, google meet, webex etc.)**



Modifications with Evaluation of Residents

- **Online examinations and quizzes**
- **Clinical evaluation via google forms**
- **OSCE to be done via virtual platform**



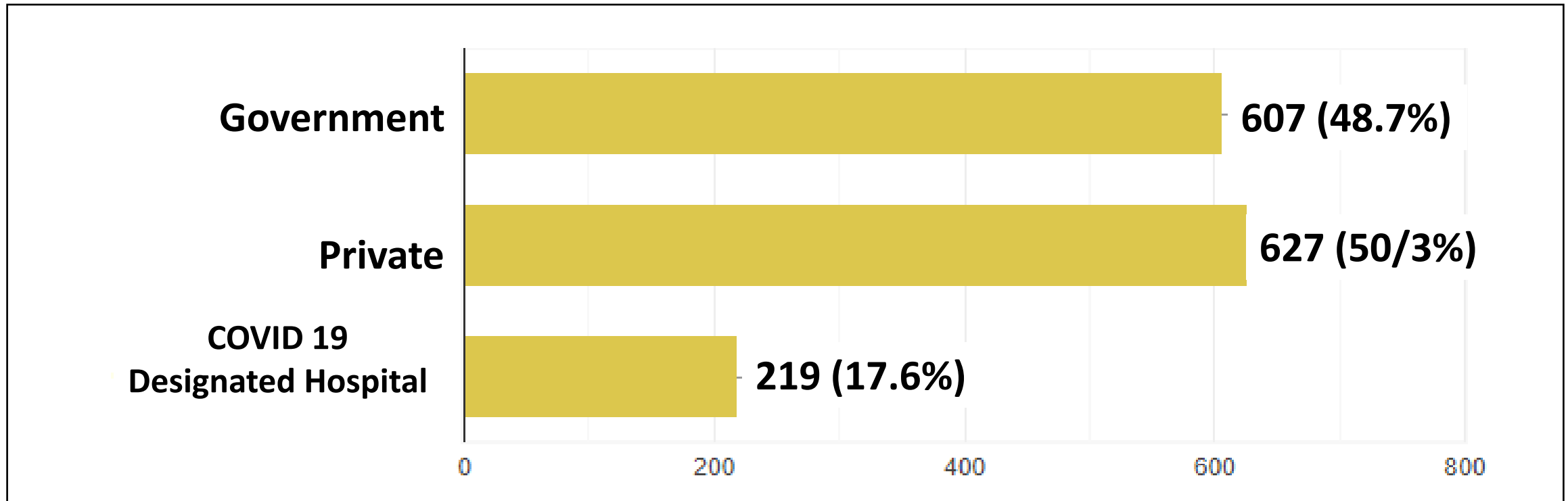
Effects of COVID 19 on Pediatric Residents



Survey Accomplished by Pediatric Residents

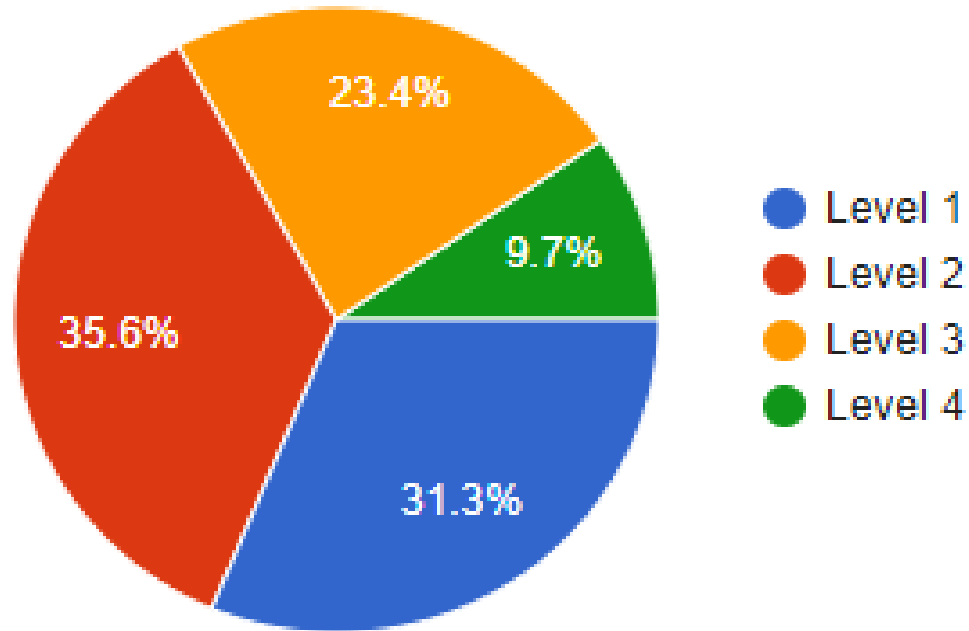
Demographic Information

N = 1246 residents

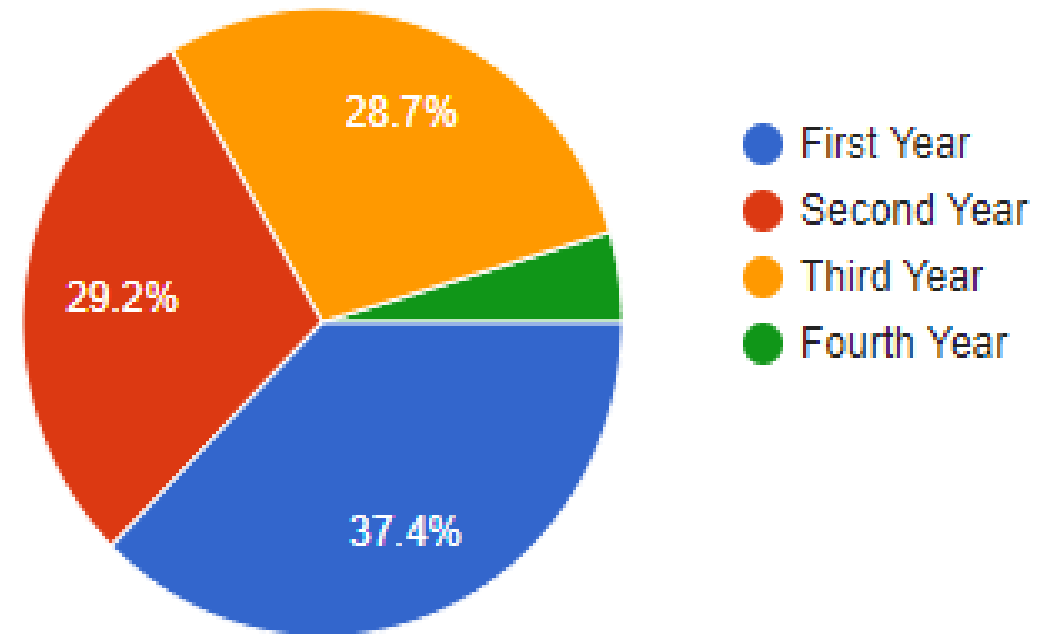


Demographic Information

Level of Accreditation



Year Level



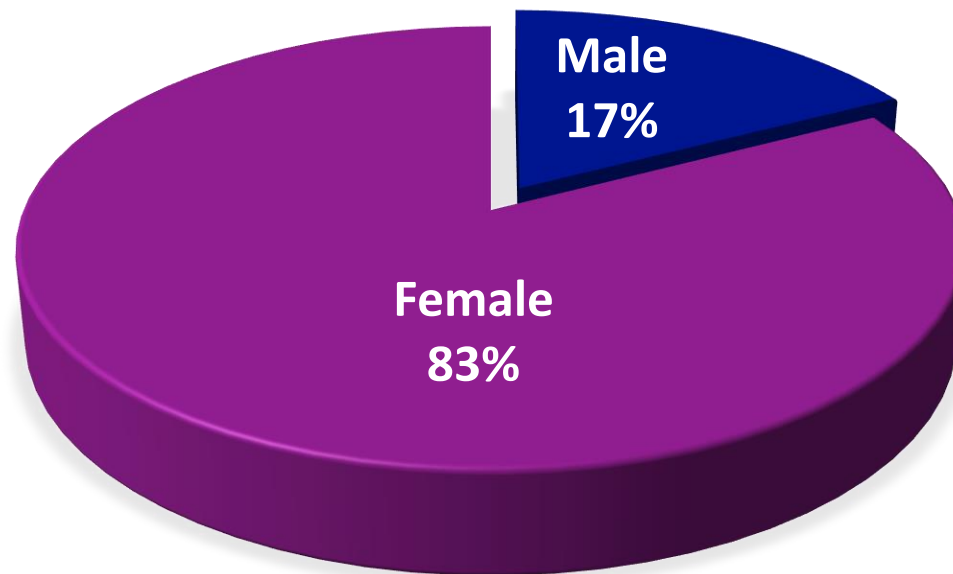
Demographic Information

- **Majority of respondents were:**
 - **Females (83%)**
 - **Age 26-30 Years old (69%)**
 - **Single (83%)**
 - **Without Children (85%)**
 - **Living with Family (59%)**



RESIDENTS PROFILE

TOTAL NUMBER OF RESPONDENTS: 1373



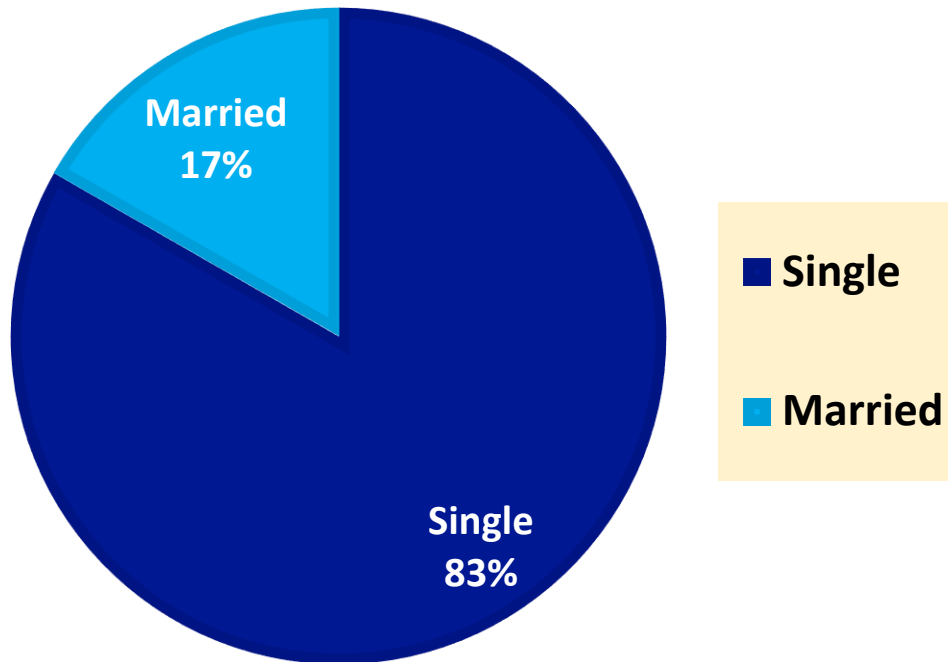
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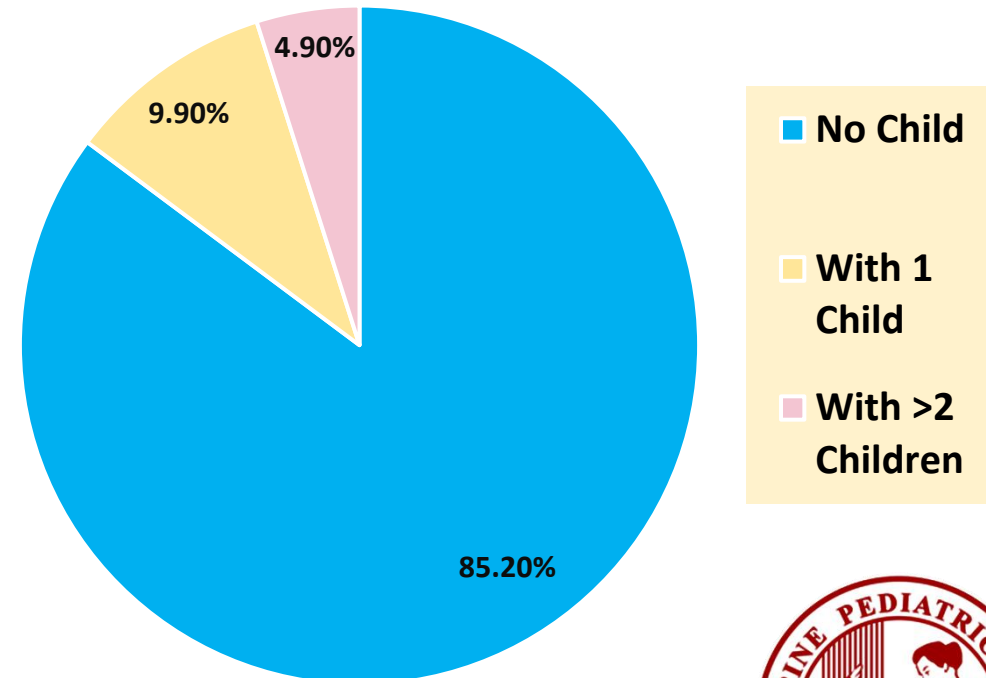
RESIDENTS PROFILE

TOTAL NUMBER OF RESPONDENTS: 1373

MARITAL STATUS



NUMBER OF CHILDREN



Effect of COVID 19 on Training

Reduction in case load	87%
Reduction in procedures	76%

No reduction in teaching/learning activities	76%
No reduction in assessment activities	75%
With virtual teaching/learning activities	99%

With direct contact with COVID 19 patients	84%
Training with use of PPE in advance	81%
Enough PPE available	77%



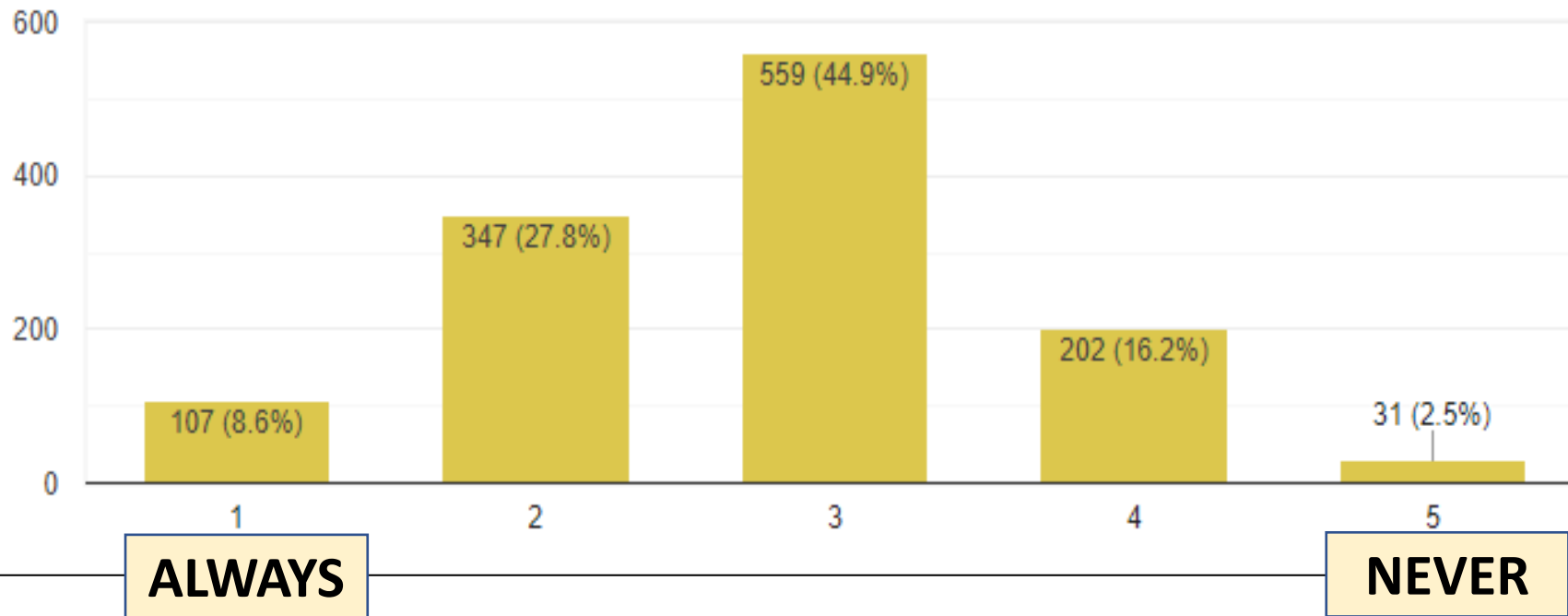
Innovations of the Department to address the issues

- **Online lectures, conferences, case discussions, reporting**
- **Skeletal Duty**
- **Use of social media for advocacies**



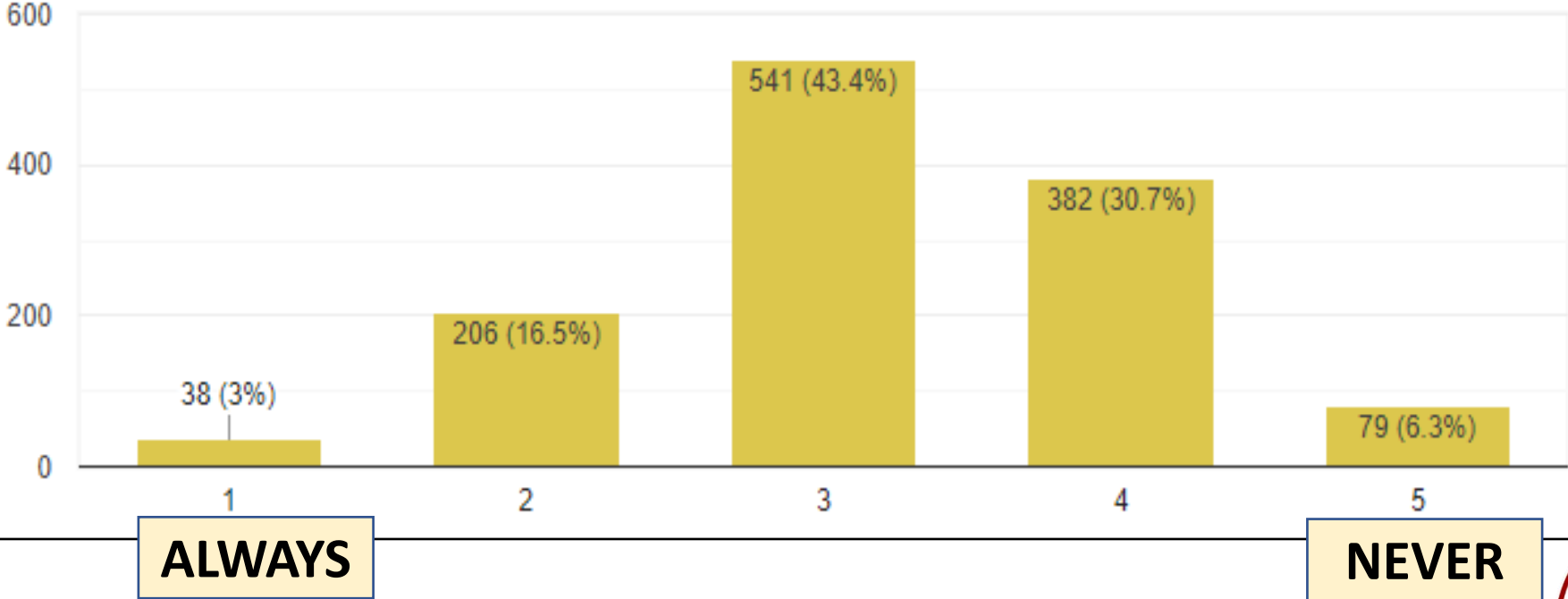
Effect on Studying, Exams, Research

Do you have enough time to read and study?



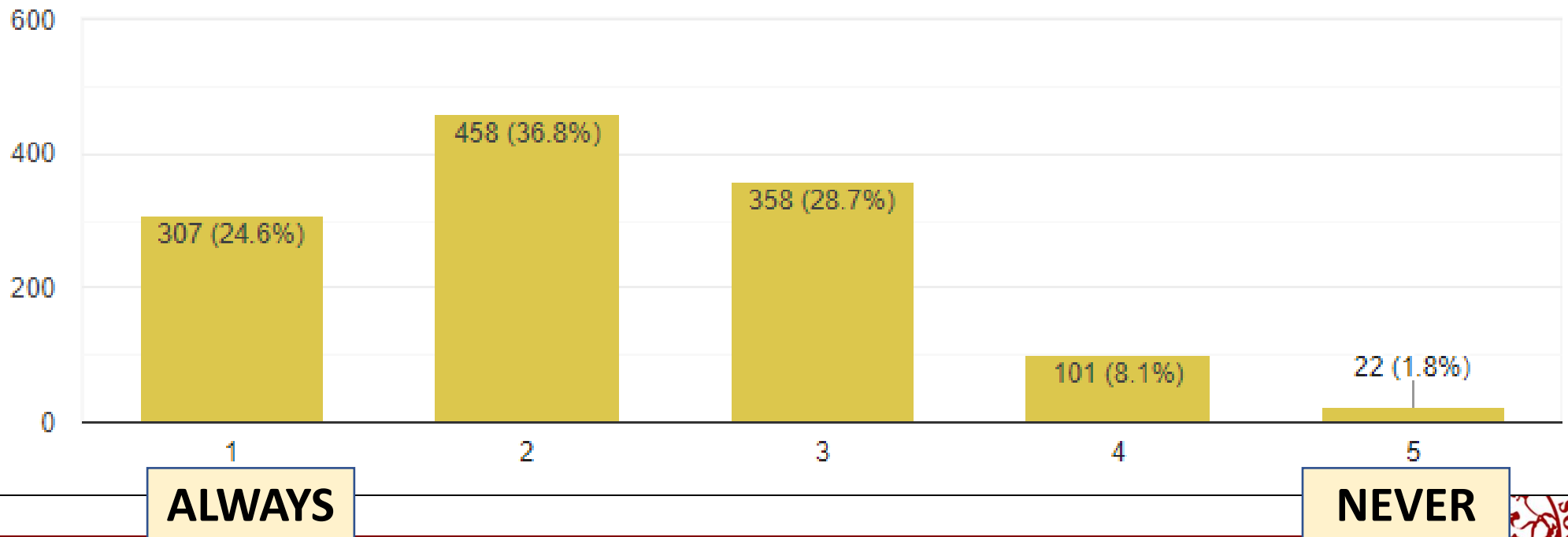
Effect on Studying, Exams, Research

Do you feel that you re psychologically prepared to read and study?



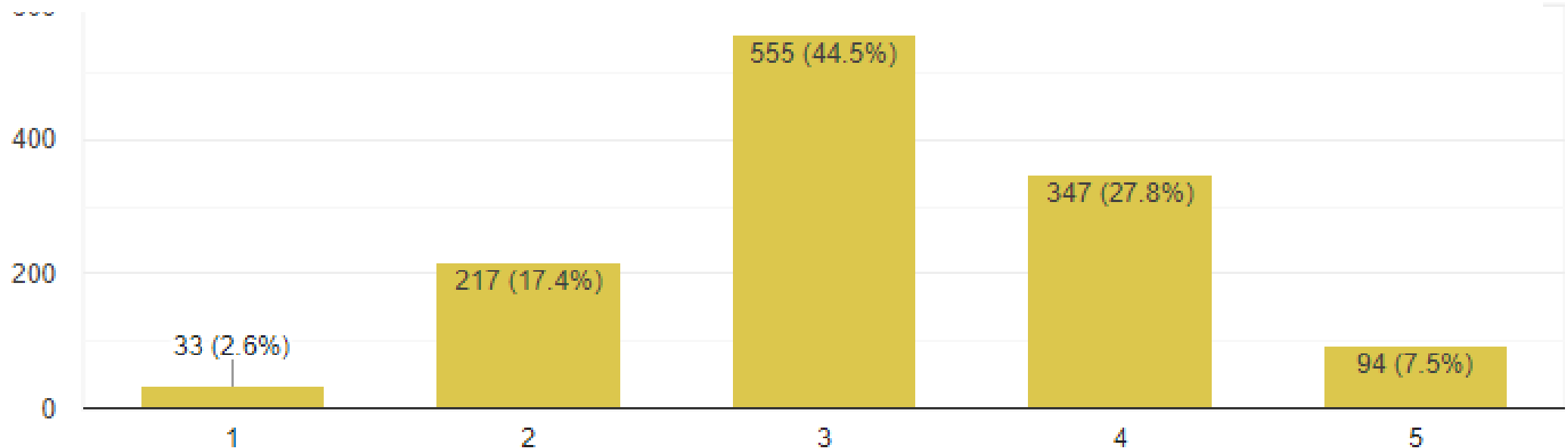
Effect on Studying, Exams, Research

Do you feel stress because of exams?



Effect on Studying, Exams, Research

Do you have enough time for your research?



ALWAYS

NEVER



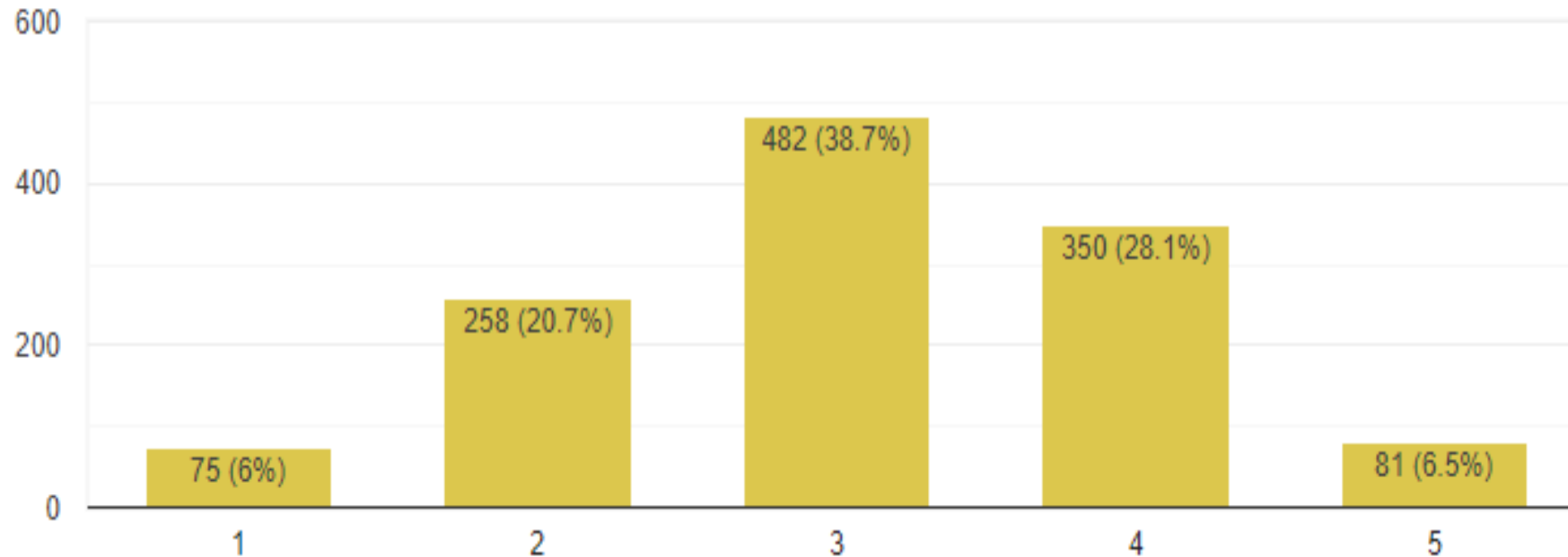
Concerns about Training

- Lesser procedures
- Lesser exposure and number of cases, specially subspecialty cases
- No outside rotation
- Decreased subjects for research
- Too much written work/ additional paperwork
- Less consults but patients are more toxic
- Lesser opportunity to practice, all theory learning
- Too tired to study



Impact of COVID 19 on Well-Being

Are you able to maintain a good life style in terms of health and diet?



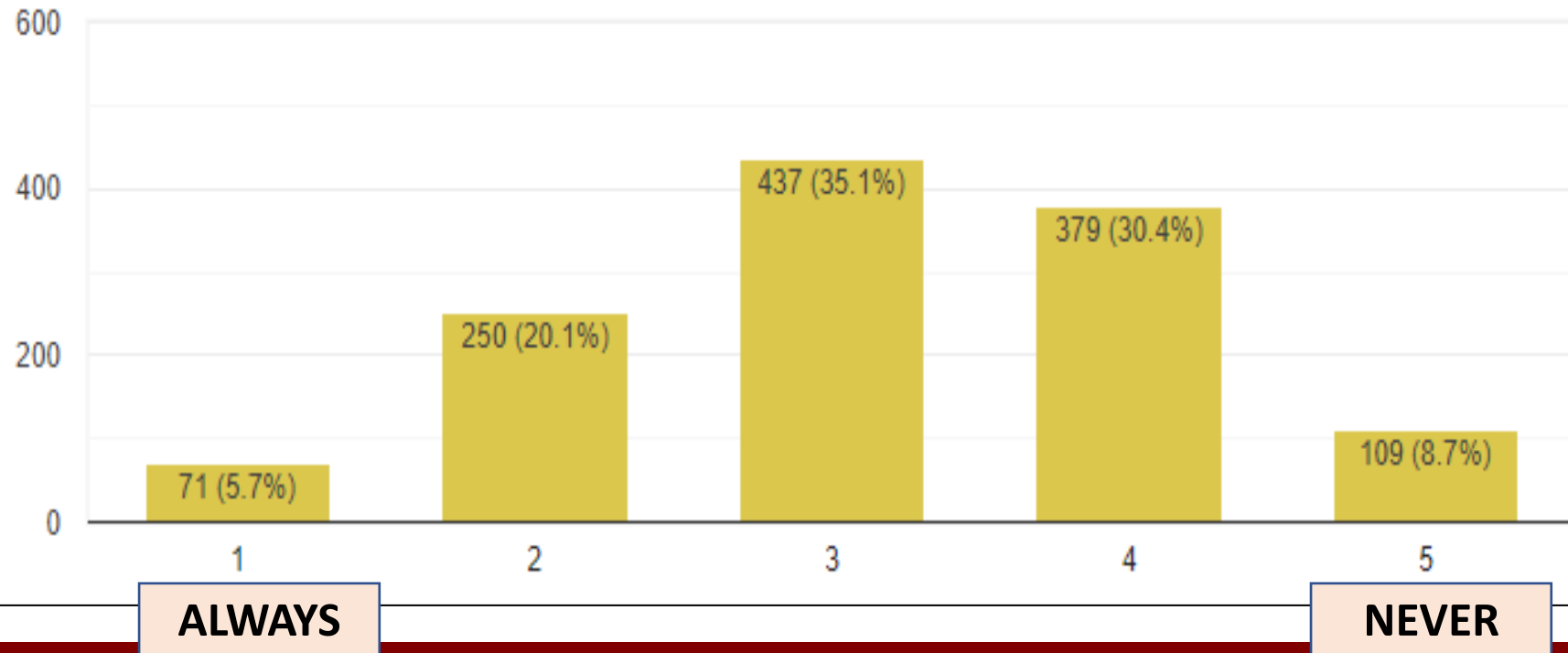
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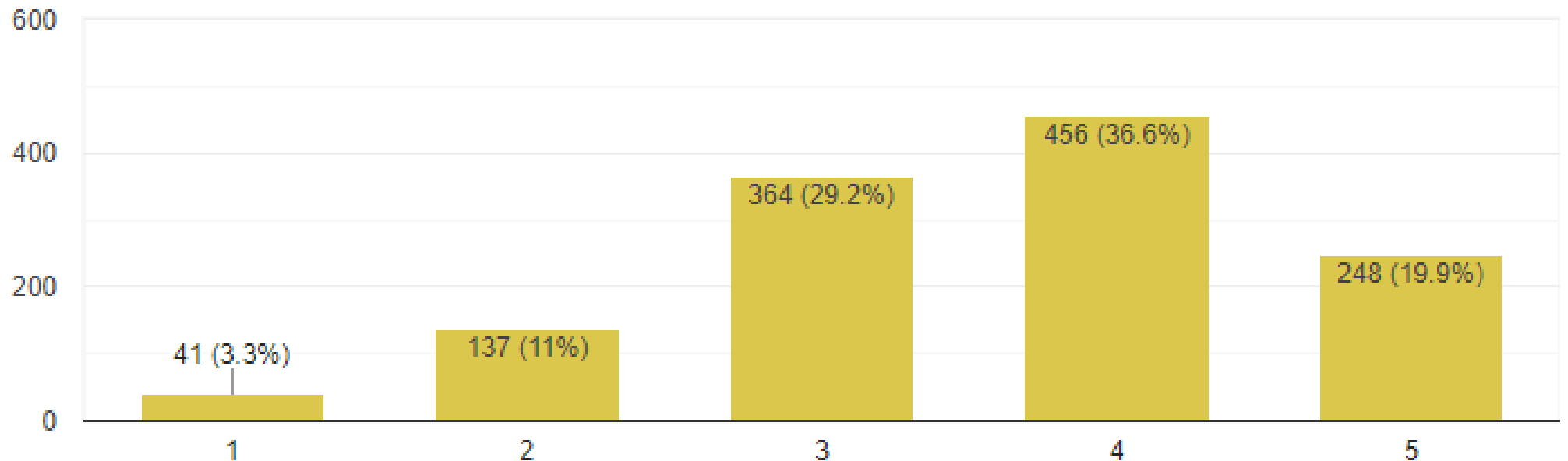
Impact of COVID 19 on Well-Being

Are you able to maintain a good life style in terms of SLEEP?



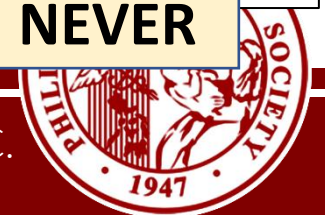
Impact of COVID 19 on Well-Being

Are you able to maintain a good life style in terms of EXERCISE?



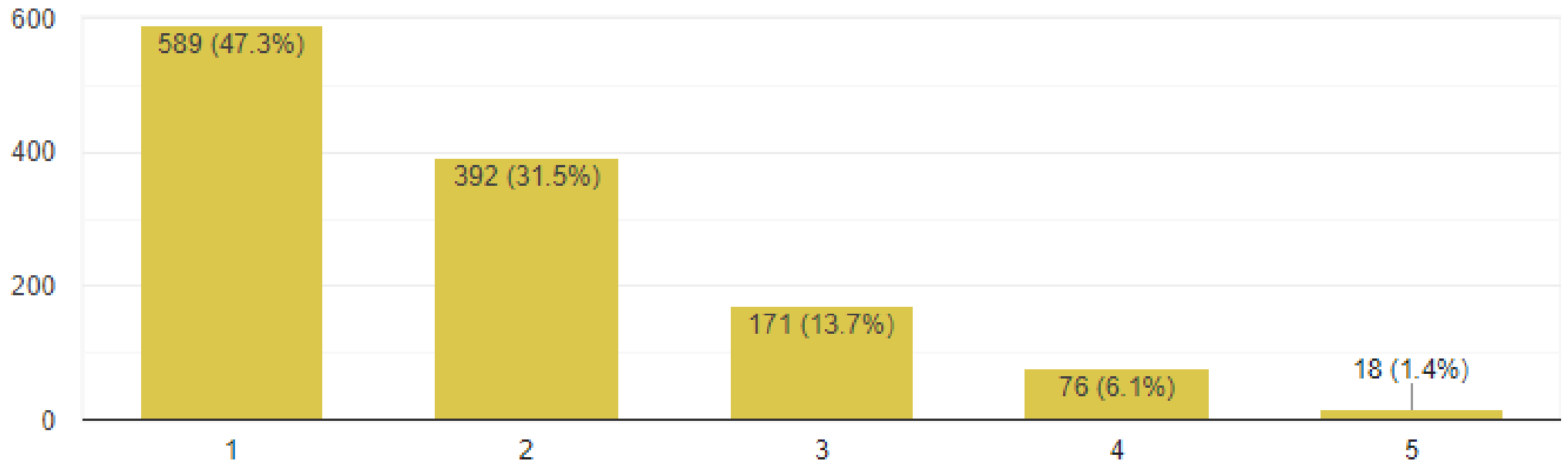
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Impact of COVID 19 on Well-Being

Do you feel anxious and worried about the situation?



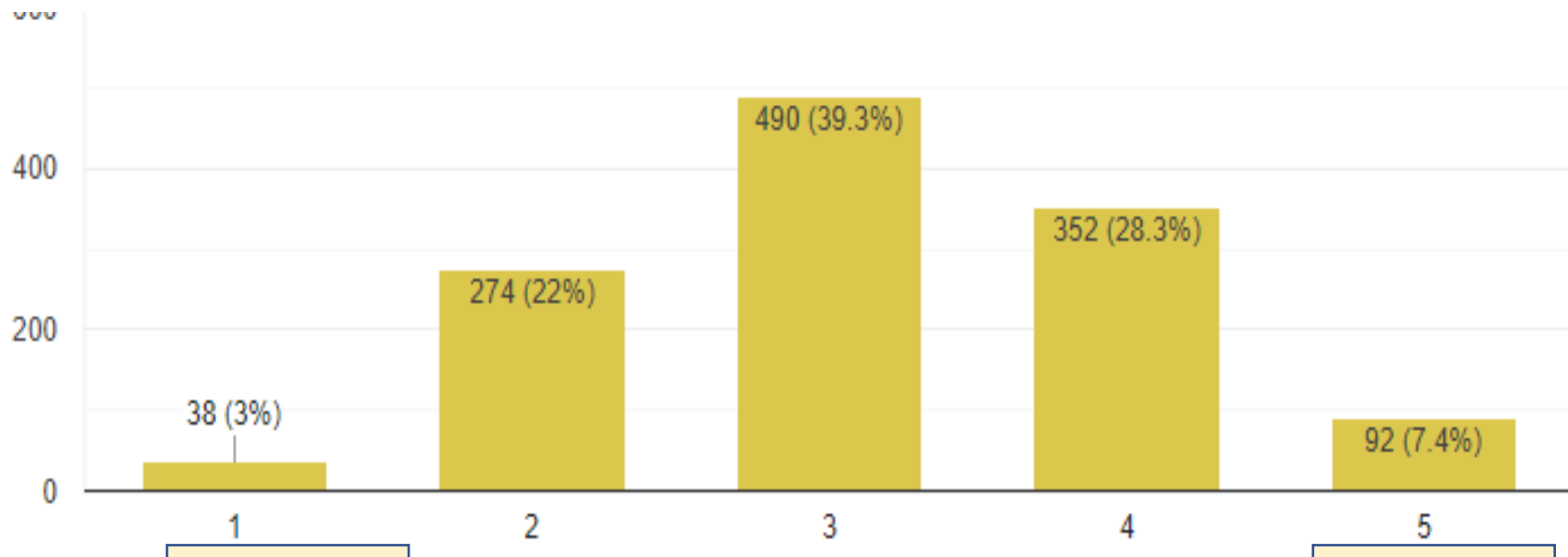
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Impact of COVID 19 on Well-Being

Do you feel safe and protected?



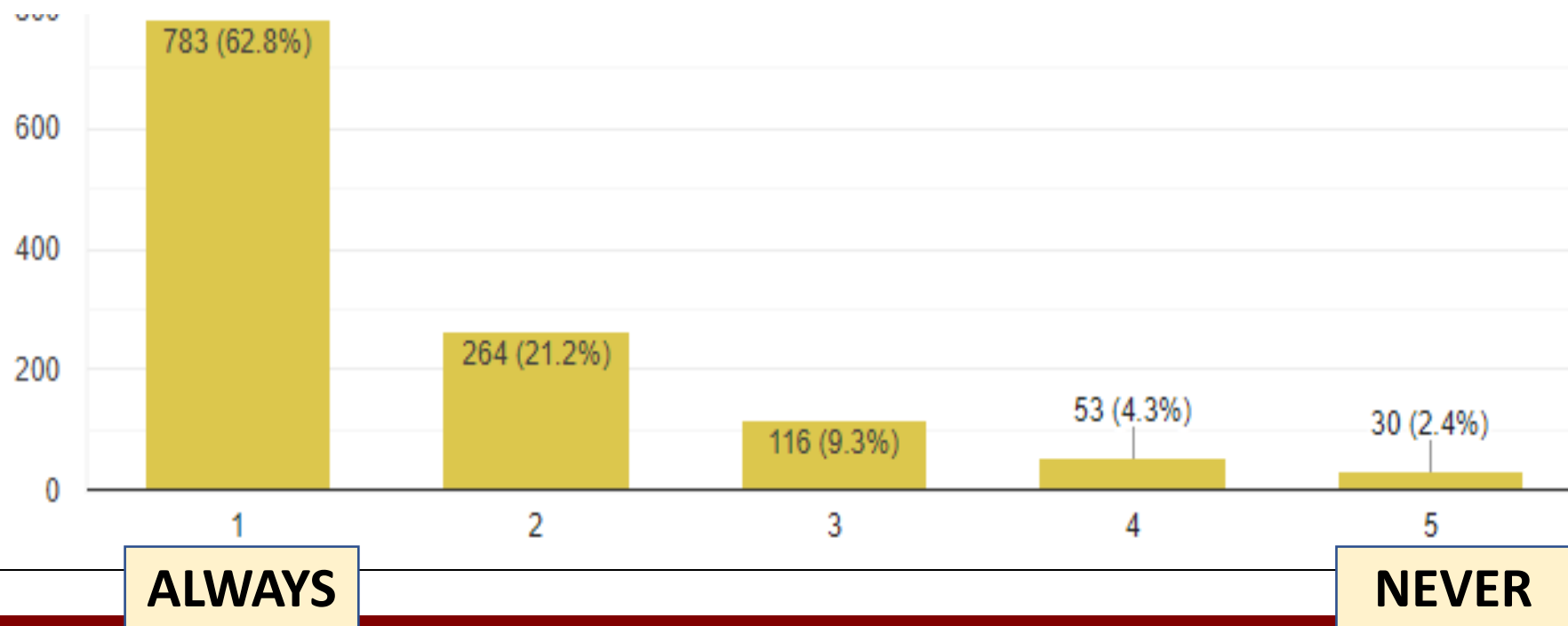
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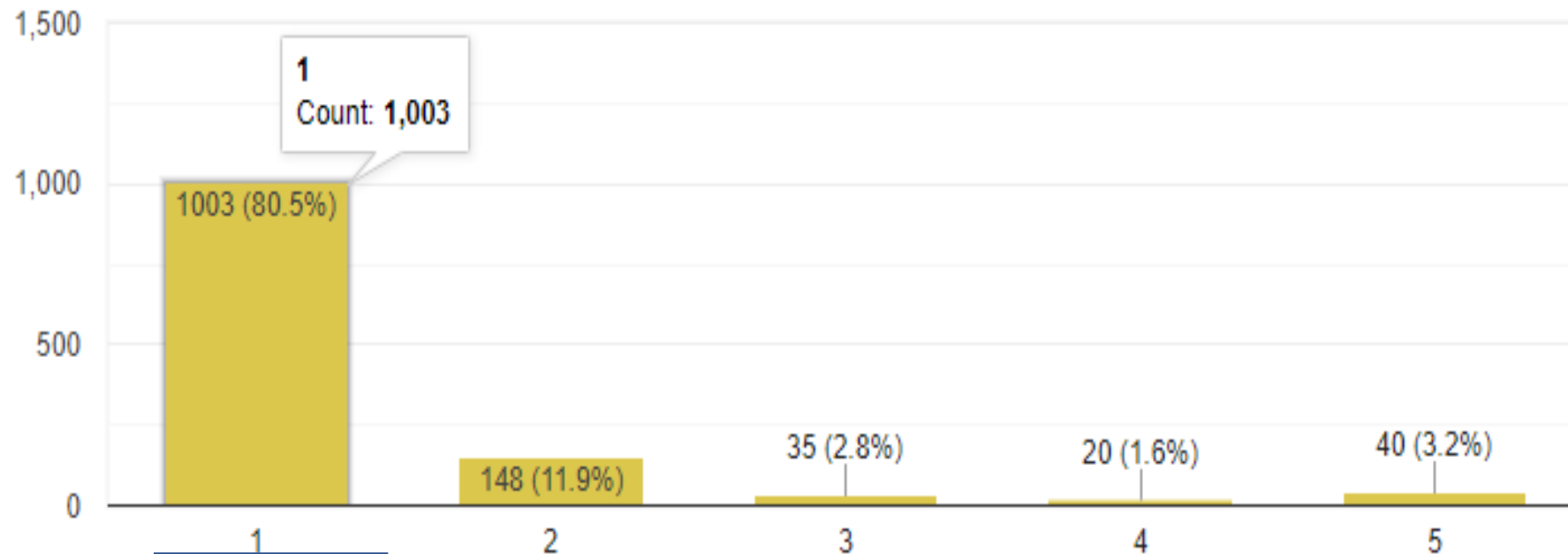
Impact of COVID 19 on Well-Being

Do you fear acquiring the infection?



Impact of COVID 19 on Well-Being

Do you fear transmitting the infection to your family member?



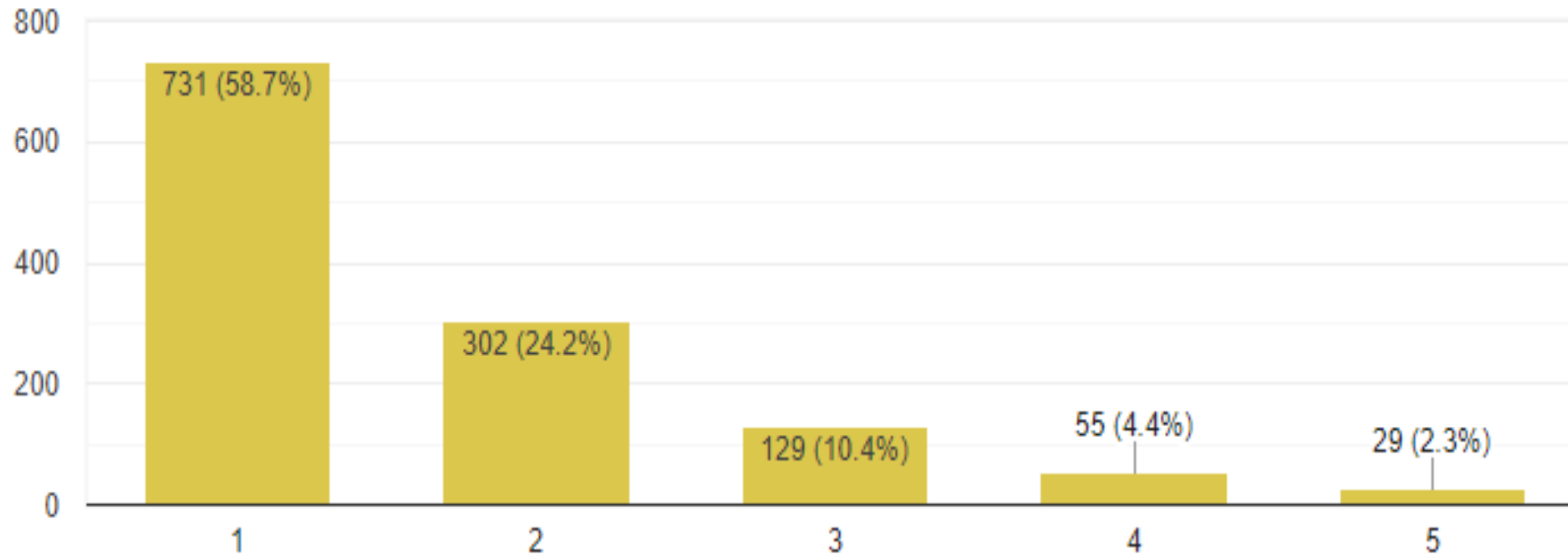
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Impact of COVID 19 on Well-Being

Do you fear transmitting the infection to your patients?



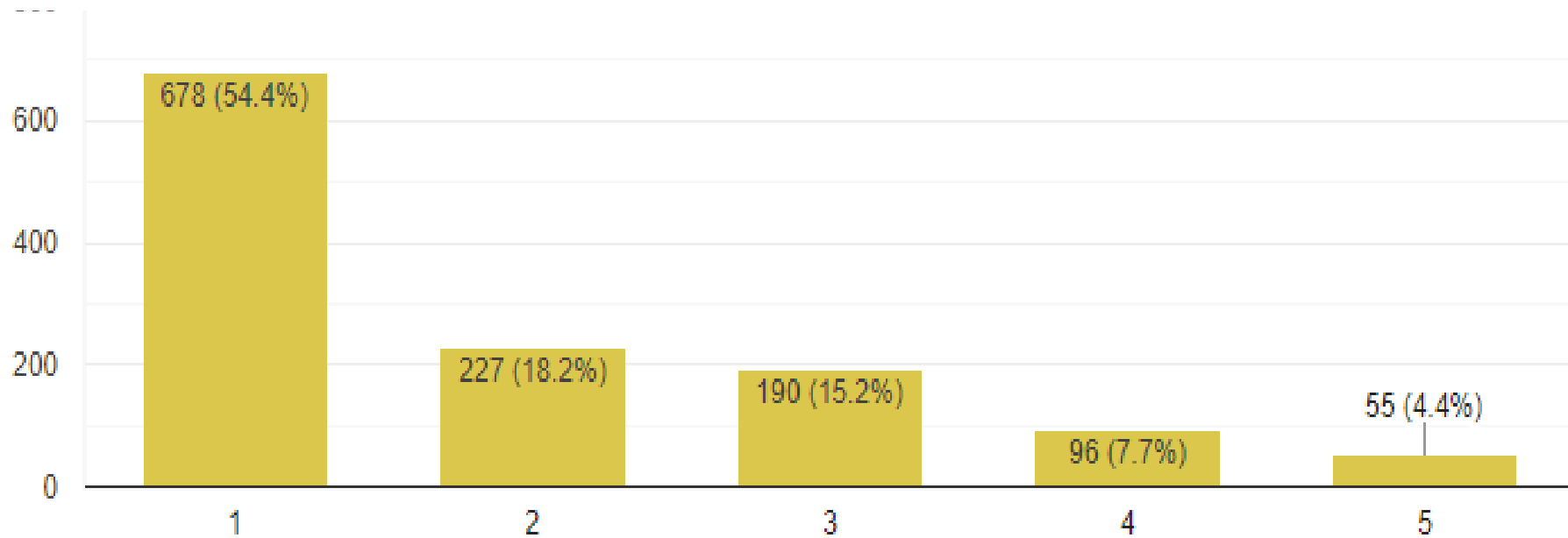
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Impact of COVID 19 on Well-Being

Do you fear of dying from COVID 19?



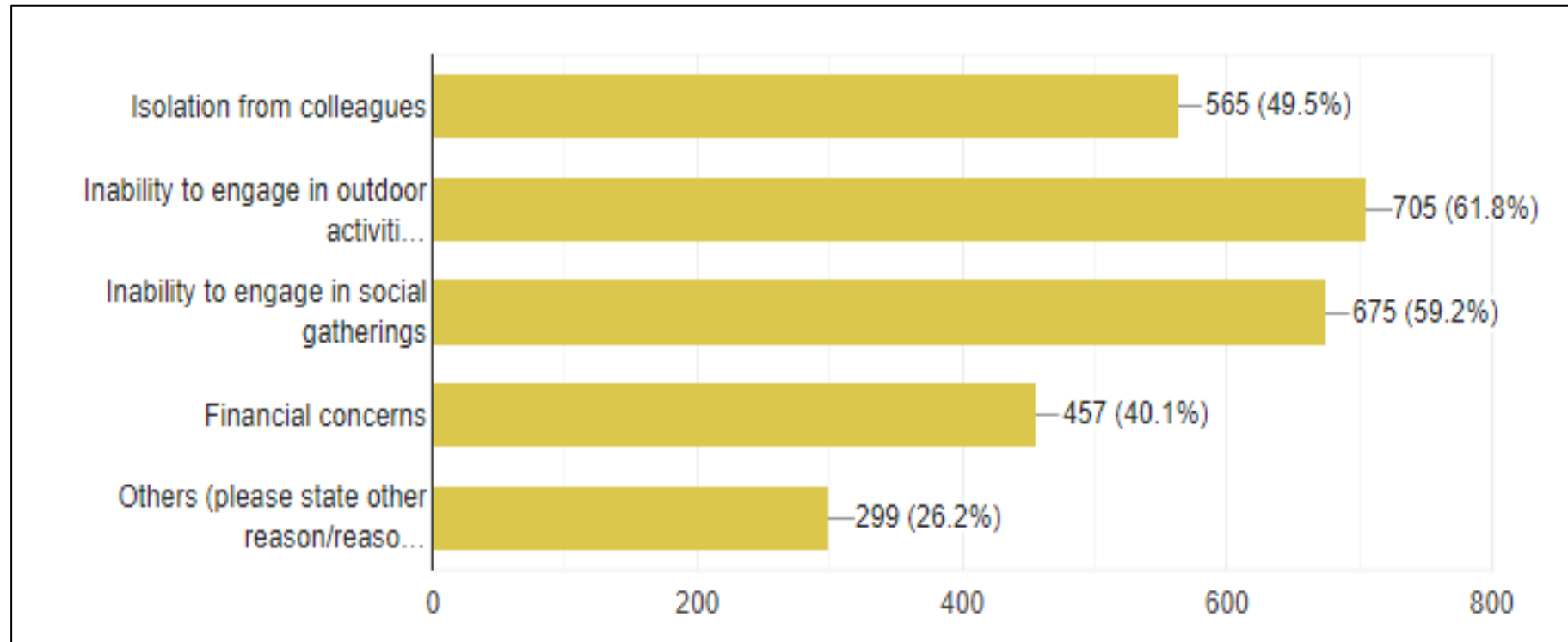
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Impact of COVID 19 on Well-Being

What are the reasons for the anxiety? (N = 1141 responses)



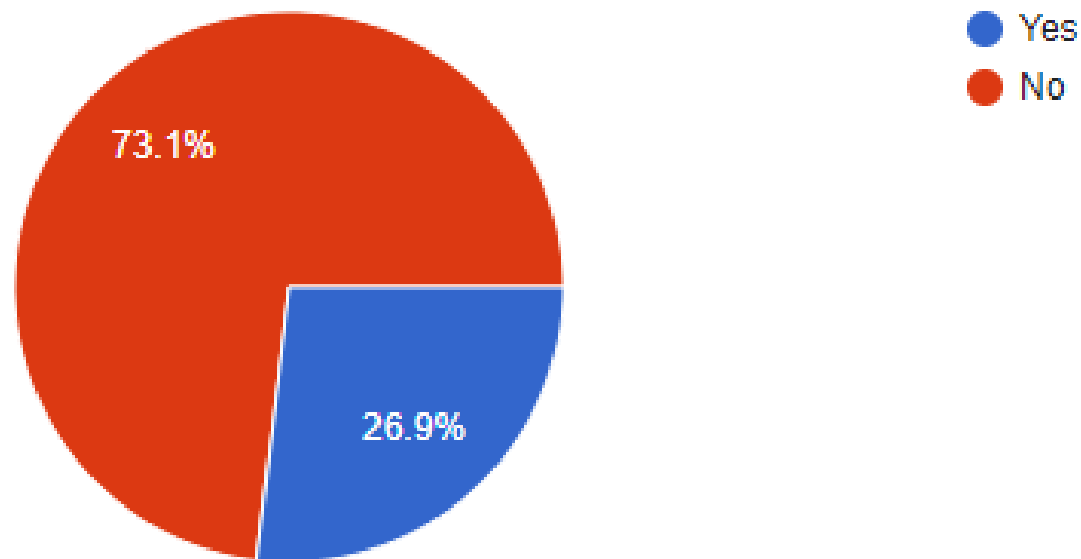
Impact of COVID 19 on Well-Being

- **Other reasons for anxiety:**
 - **Not being with kids/ isolated from family members/ boyfriend**
 - **Fear for family**
 - **Getting infected**
 - **Mentally draining**
 - **Wanting to quit everyday**
 - **Overwhelmed by daily activities**
 - **Failing exams**
 - **Complying with requirements of residency**
 - **Uncertainty of the times/ fear of unknown**



Impact of COVID 19 on Well-Being

- If you experienced anxiety or other socio-emotional problem, were you able to seek professional help for this? (N = 1124 responses)



SUMMARY

- **The Covid 19 Pandemic impacts on all areas of Pediatric Residency:**
 - **Training -**
 - **Services -**
 - **Rotation -**
 - **Research -**
 - **Health and well-being -**





THANK YOU!

PHILIPPINE PEDIATRIC SOCIETY, INC.

