

# Initial Survey Analysis

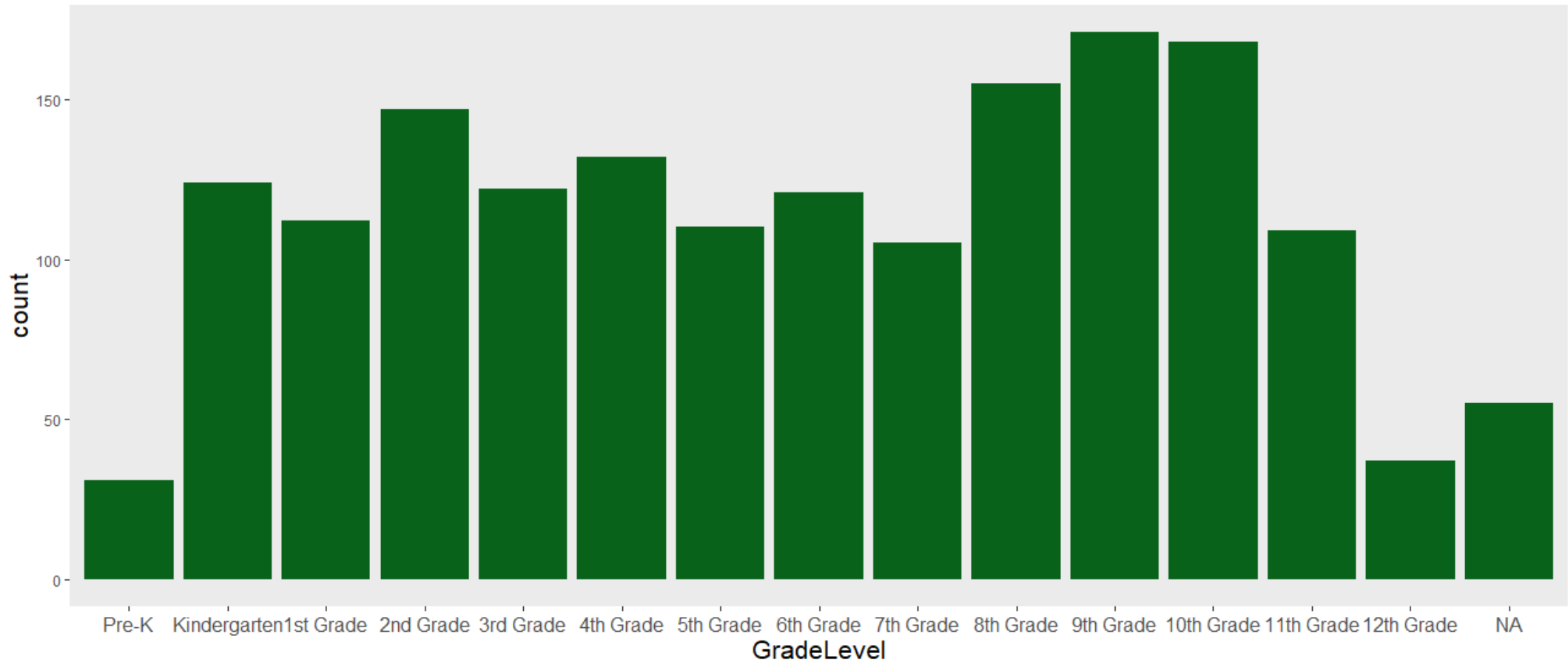
# School Board survey

- Questions about emergency remote learning, in-person instruction in the fall, plus demographic data
- Ranked choice for learning in the fall (virtual, in-person, hybrid)
- Data collection open 6/24/2020- 07/10/2020 (English survey); 7/2/2020-7/15/2020 (Spanish version)

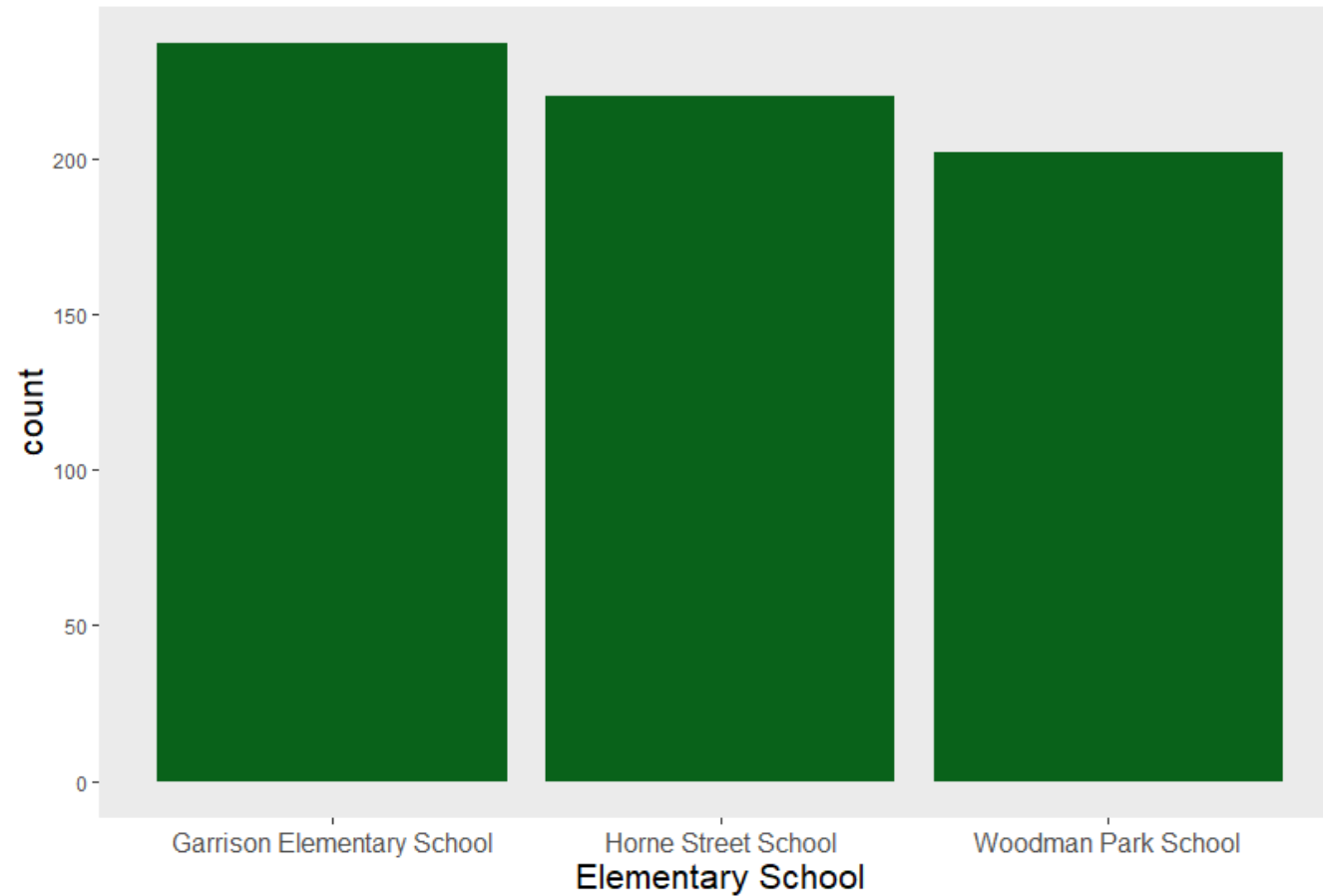
# Respondents

- 2024 responses (excluding spam, self-screened out)
- 1699 completed survey fully

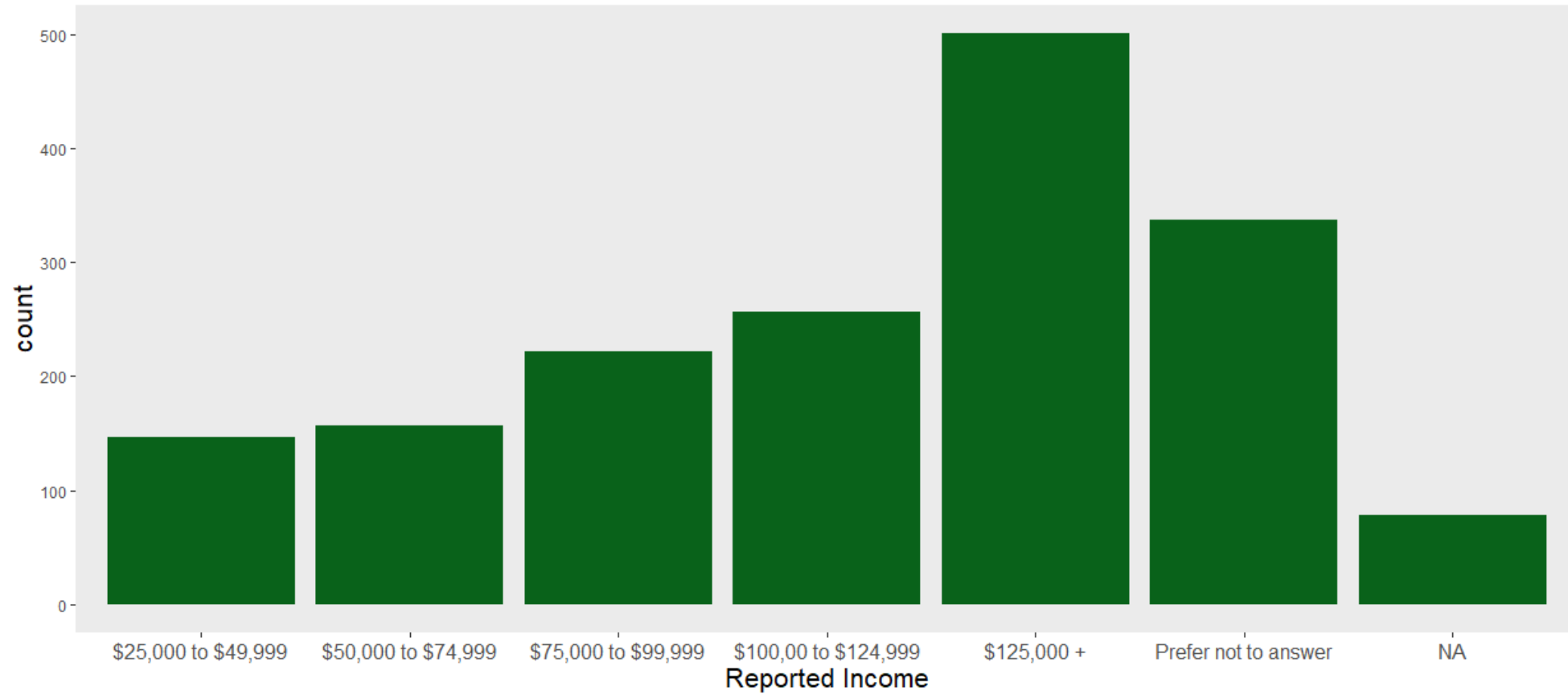
# Grade levels (current students only)



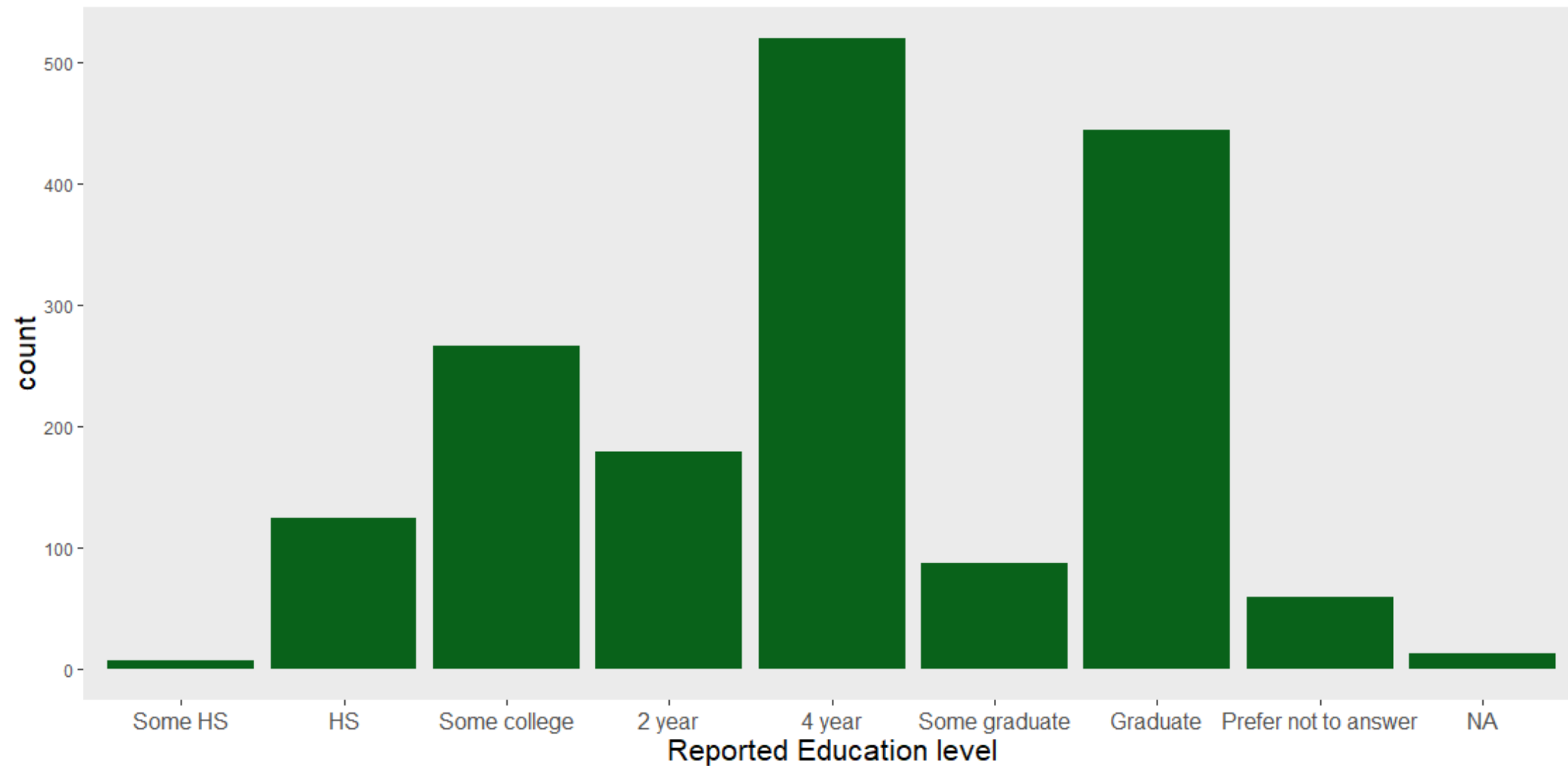
# Elementary schools (current students only)



# Reported pre-COVID income



# Reported education level

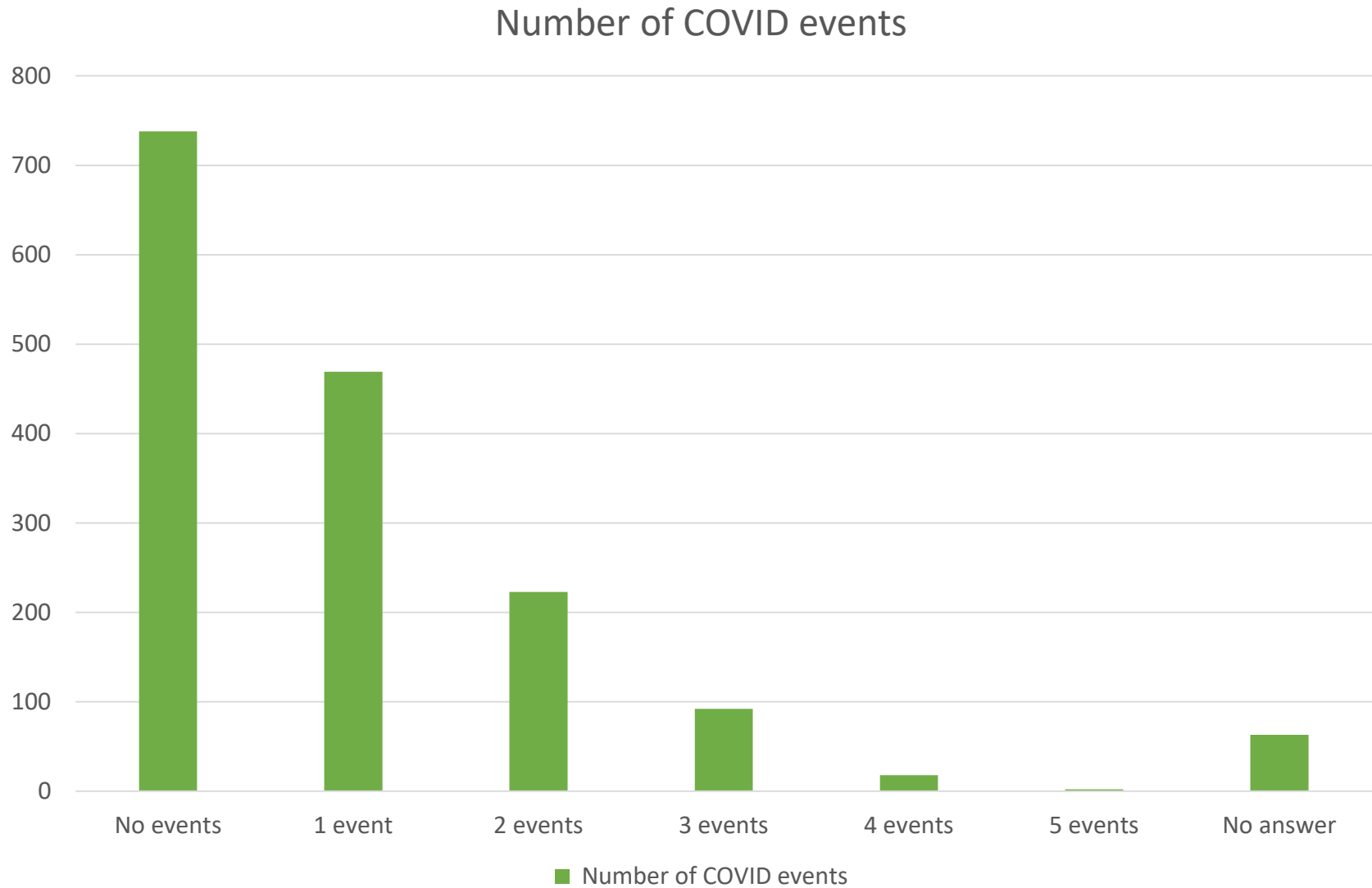


# Adverse events

- Asked about...
  - Layoff (167)
  - Furlough (188)
  - Reduced hours (374)
  - Reduced salary (268)
  - Time off for illness (63)
  - Time off to care for sick family member (23)
  - Time off to take care of children (290)
  - Other (61)



# Adverse events



# Other questions

- 314 parents whose children had an IEP
- 11 parents of children in Bellamy Academy
- 43 reported speaking another language besides English at home
- 237 parents of students taking CTC coursework

# Tech and internet access

- 1139 said their child had access to their own computer or tablet
- 604 said that child shared that computer or tablet with somebody else
- 53 said that their child didn't have access to a computer or tablet

# Tech and internet access

- 1676 said that their child had access to the internet at home all or almost all of the time
- 99 said child had access to internet some of the time
- 14 said their child didn't have access to the internet

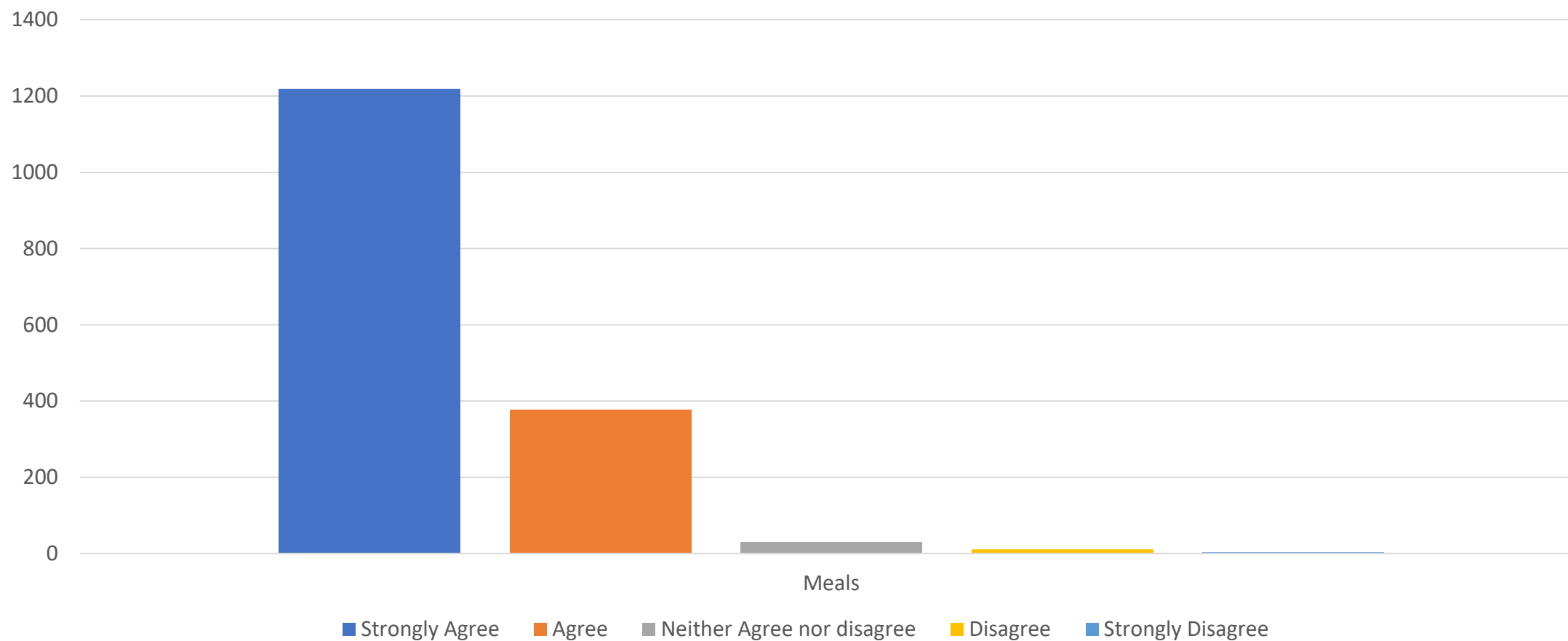
# Tech and internet access

- 1399 said that the internet access was excellent—can stream video, download material easily
- 328 said that the access was fair—trouble with streaming video but otherwise OK
- 43 said that the access was poor—can only use the internet for basic functions

# Remote learning went well for some families

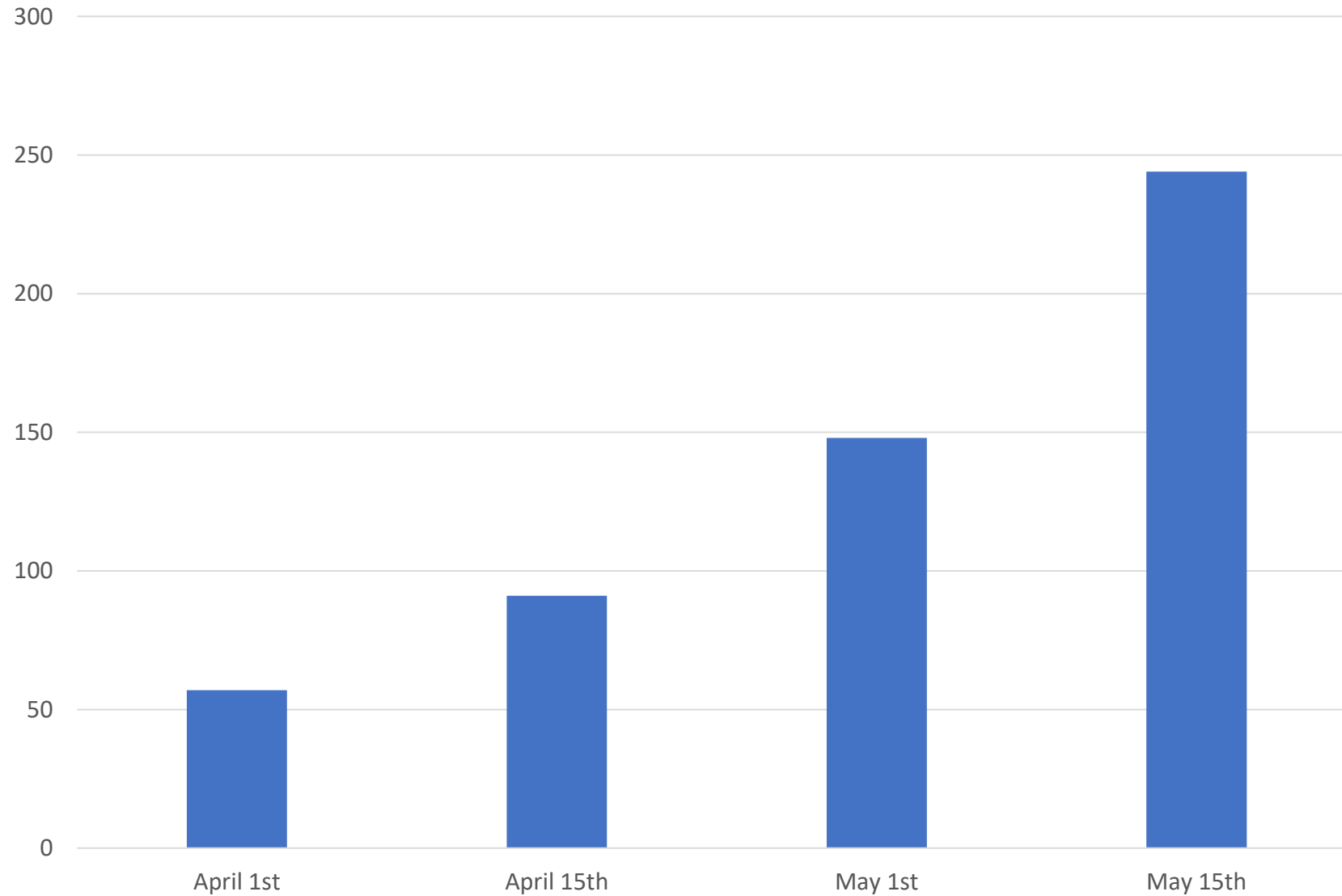
- 144 “Strongly Agree” or “agree” with “My child did better with remote learning than in-person instruction”
- 99 “Strongly agree” or “Agree” with “I will not send my child back to school because they have done better with virtual learning”
- 61 answered “strongly agree” or “agree” to both questions

# “My child had access to meals”



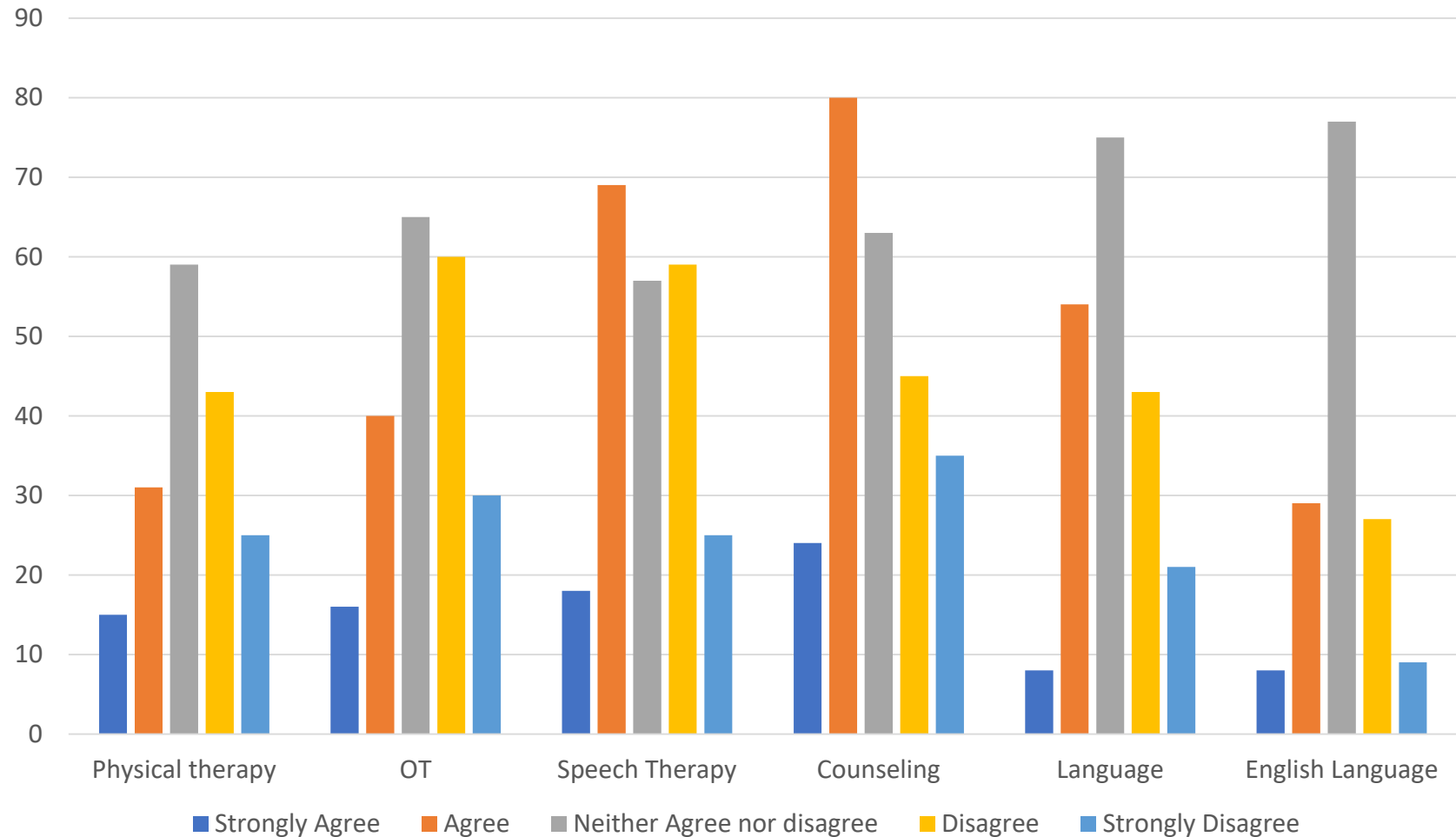


# But, drop off overtime



# Special services

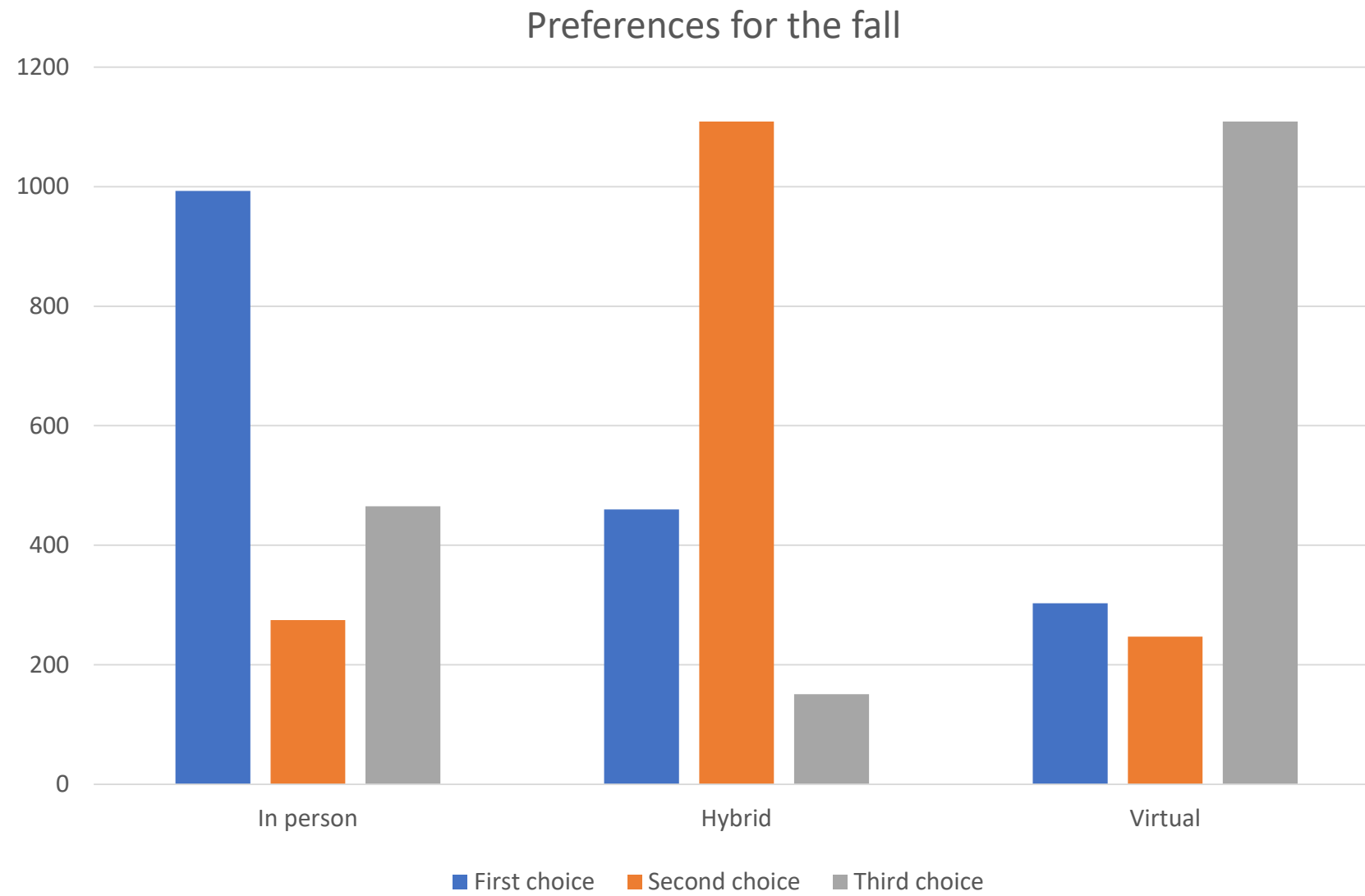
- Low ratings for access to special services across the board (average 2.65- 3.01)



# Ranking of choices

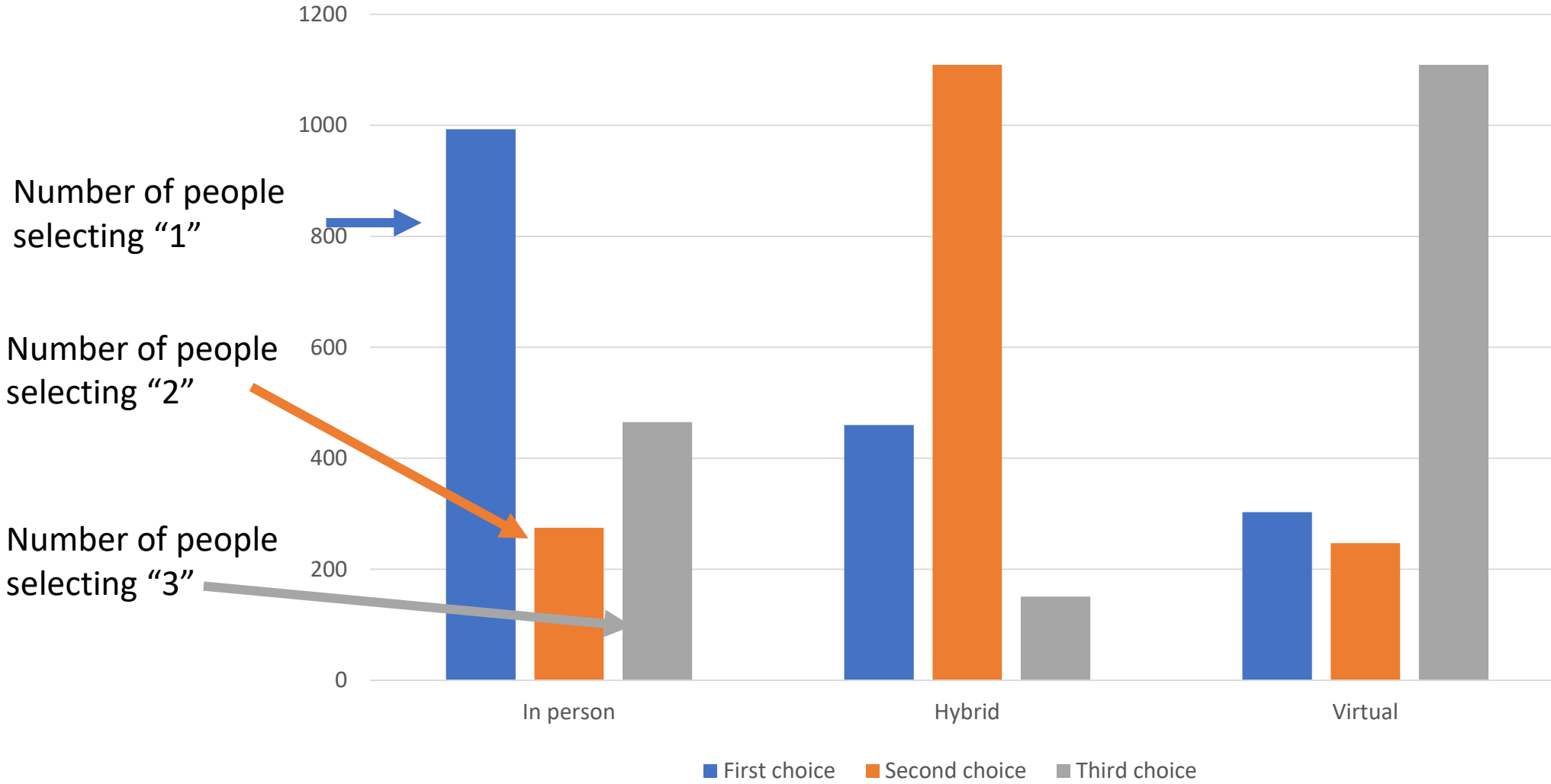
Please rank your preferences for school instruction in the fall, with 1 being your most preferred option, and 3, your least.

|                                            | 1                                | 2                                | 3                                |
|--------------------------------------------|----------------------------------|----------------------------------|----------------------------------|
| 100% virtual learning                      | <input checked="" type="radio"/> | <input type="radio"/>            | <input type="radio"/>            |
| 100% in-person learning                    | <input type="radio"/>            | <input checked="" type="radio"/> | <input type="radio"/>            |
| A hybrid of virtual and in-person learning | <input type="radio"/>            | <input type="radio"/>            | <input checked="" type="radio"/> |





## Preferences for the fall



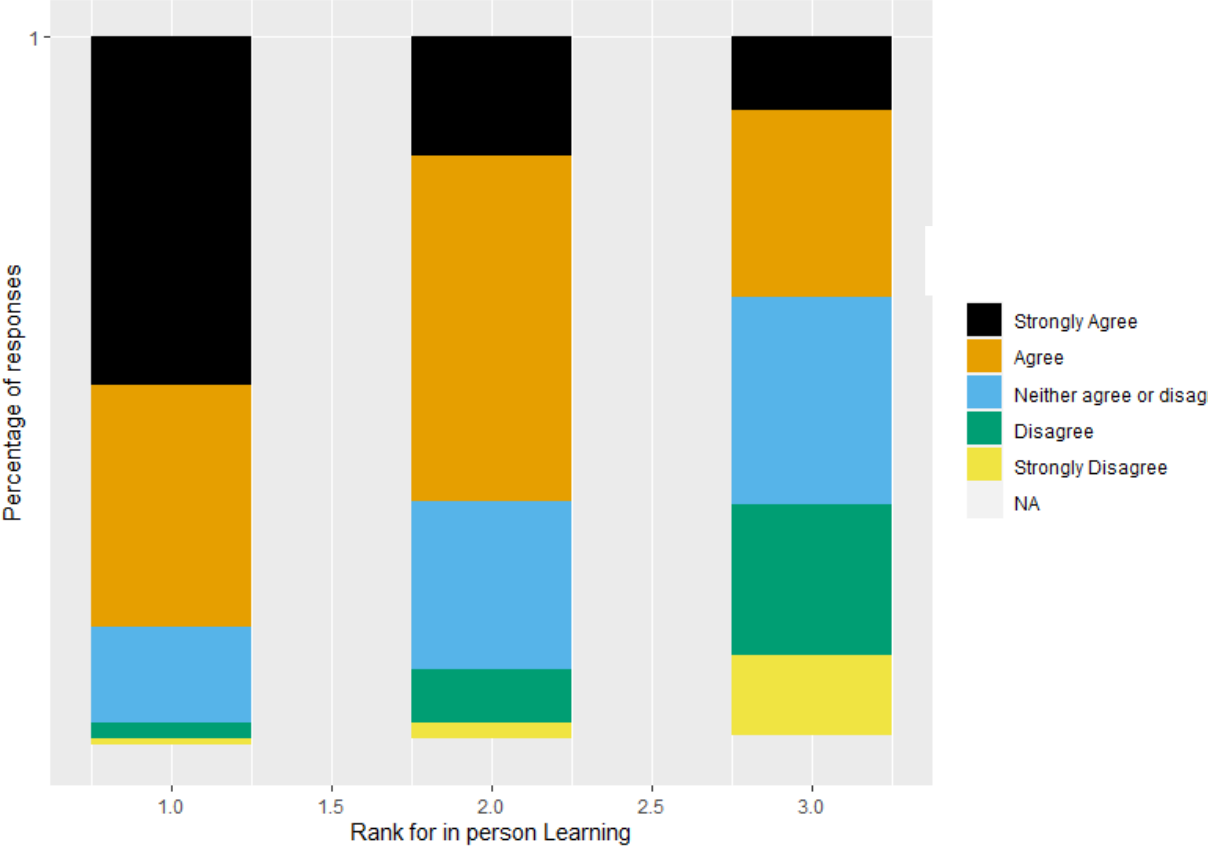
# Factor analysis

- Statistical technique to look for correlations in answers to questions
- If I ask...
  - Are you wearing a scarf?
  - Are you wearing a coat?
  - Can you see your breath?
- All getting at *Is it cold outside?*

# Factor 1: Getting back to brick-n-mortar

- I want in-person in the fall so that my child can...
  - \*Have access to school facilities (3.53)
  - Get a higher quality of education (4.44)
  - Have access to school supplies and materials (3.56)
  - Have better access to special services (3.56)
- Number in parenthesis: average of responses, on a scale of 1-5; 5 = Strongly Agree; 1 = Strongly Disagree
- (\*Question was retained in linear model)

“I want to return to in-person instruction in the fall so my child can...

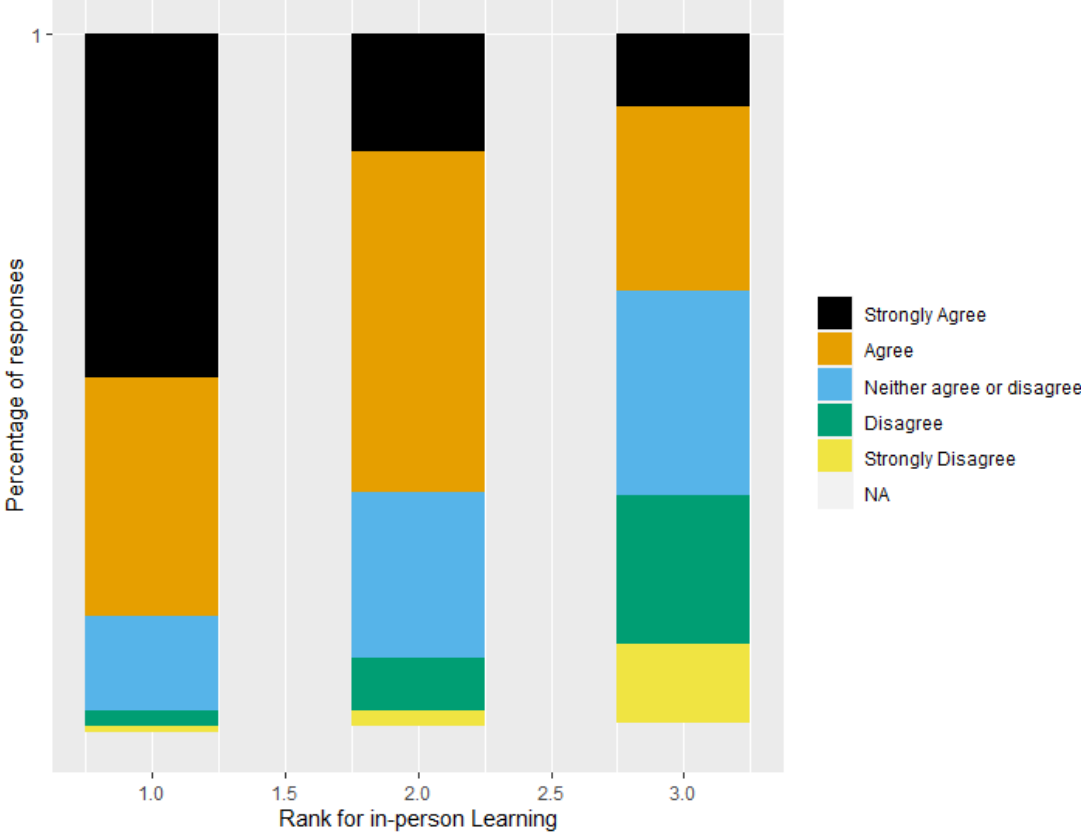


Ranked in-  
person  
learning #1

Ranked in-  
person  
learning #2

Ranked in-  
person  
learning #3

...have access to school facilities



Ranked in-  
person  
learning #1

Ranked in-  
person  
learning #2

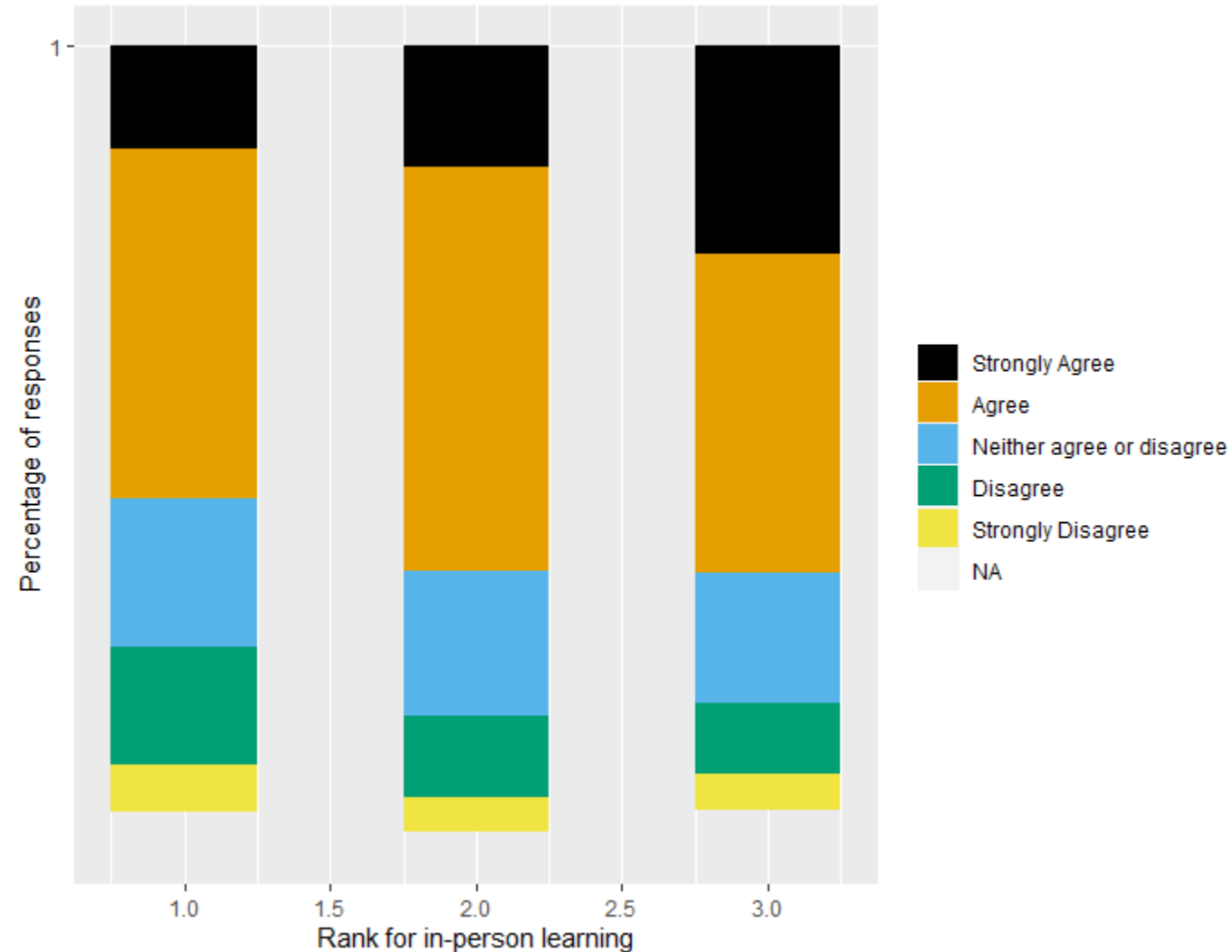
Ranked in-  
person  
learning #3

...have a higher quality of education

## Factor 2: Access, guidance, and feedback in remote learning

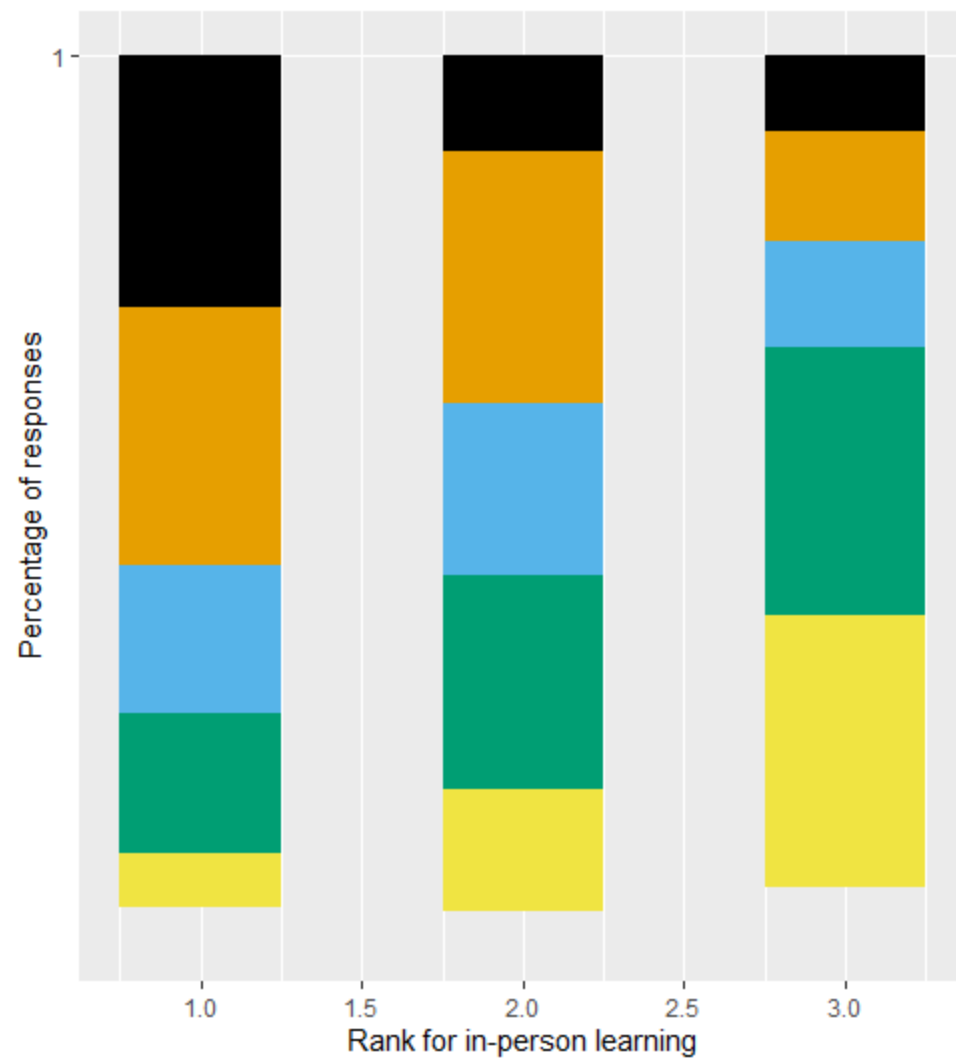
- The programs used by teachers were easy to access and use (3.46)
- \*My child or I received appropriate guidance from teachers on how to access course material (3.57)
- I received appropriate feedback on how my child was doing in class (2.97)
- None of these questions significantly affected rankings for what type of instruction they want to see in the fall

“My child or I received appropriate guidance from teachers on how to access course material”



## Factor 3: Parent's ability to help

- My or other caregiver's work schedule allowed me to help my child (plus) (3.12)
- Other caretaking responsibilities for me or other caregivers prevented me from helping my child (minus) (3.01)
- I want in person instruction in the fall because...
  - \*I can't help my child with remote learning due to work restrictions (minus) (3.17)
  - I can't help my child with remote learning due to other caregiving responsibilities (minus) (2.71)



"I want in-person instruction in the fall because I can't help my child with remote learning due to work restrictions"

- Strongly Agree
- Agree
- Neither agree or disagree
- Disagree
- Strongly Disagree
- NA

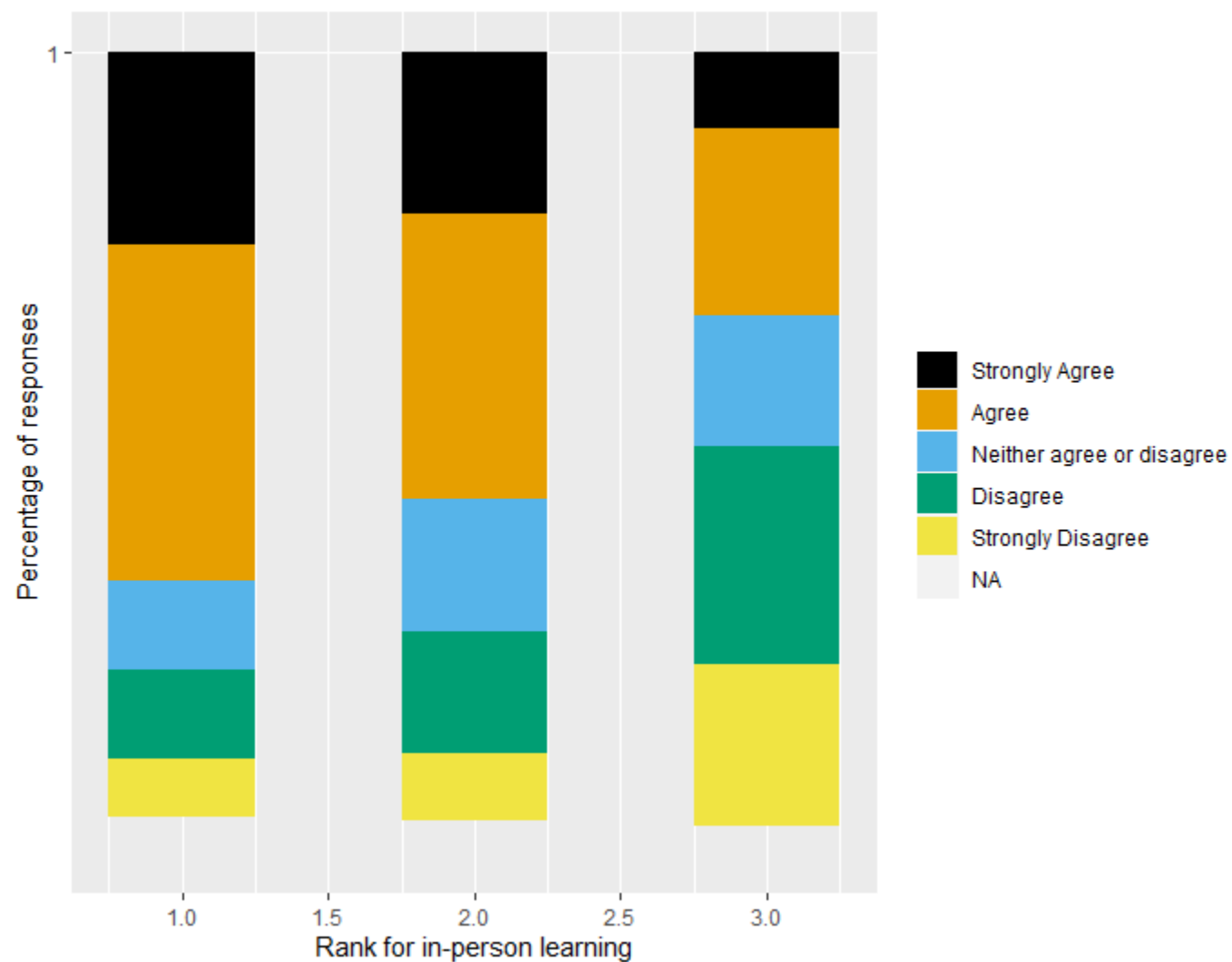
# Factor 4: Returning to school safely

- I will send my child to school only if...
  - Students were screened for symptoms (4.00)
  - \*Faculty and staff were screened for symptoms (4.13)
  - The number of cases in Dover and surrounding communities stays low (4.02)

## Factor 5: Remote learning environment

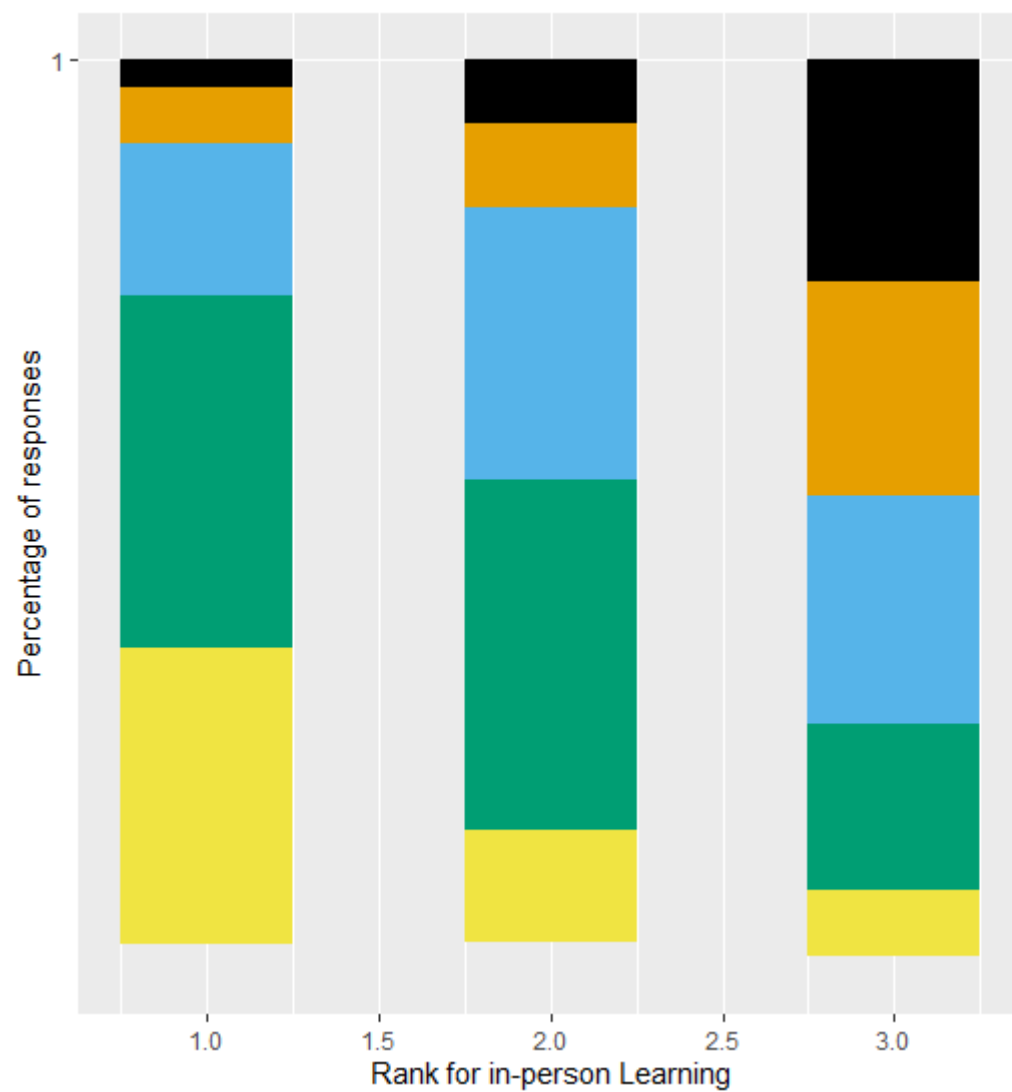
- My child was able to keep up with due dates (3.55)
- \*My child was able to focus on schoolwork (3.00)
- My child was engaged with their schoolwork (2.96)

# “My child was able to focus on schoolwork”



## Factor 6: Worries about health

- \*I will not send my child to school due to concerns about their health (2.54; 364 “agree” or “strongly agree”)
- I will not send my child to school due to concerns about family member’s health (2.61; 389 “agree” or “strongly agree”)
- 297 “agree” or “strongly agree” to both questions



"I will not send my child to school due to concerns about their health"

- Strongly Agree
- Agree
- Neither agree or disagree
- Disagree
- Strongly Disagree
- NA

# Factor 7: Masks

- I will send my child to school only if...
- ...students were required to wear masks (3.05)
- \*...faculty and staff were required to wear masks (3.31)

# Linear models

- Demographic factors, internet/tech access questions, IEP, all Likert-scale questions *except*:
  - For questions with high loadings on to a particular factor, removed all except the question with the highest loading on the factor (\* on previous slides)
- Income highly correlated with age, education level; retained income

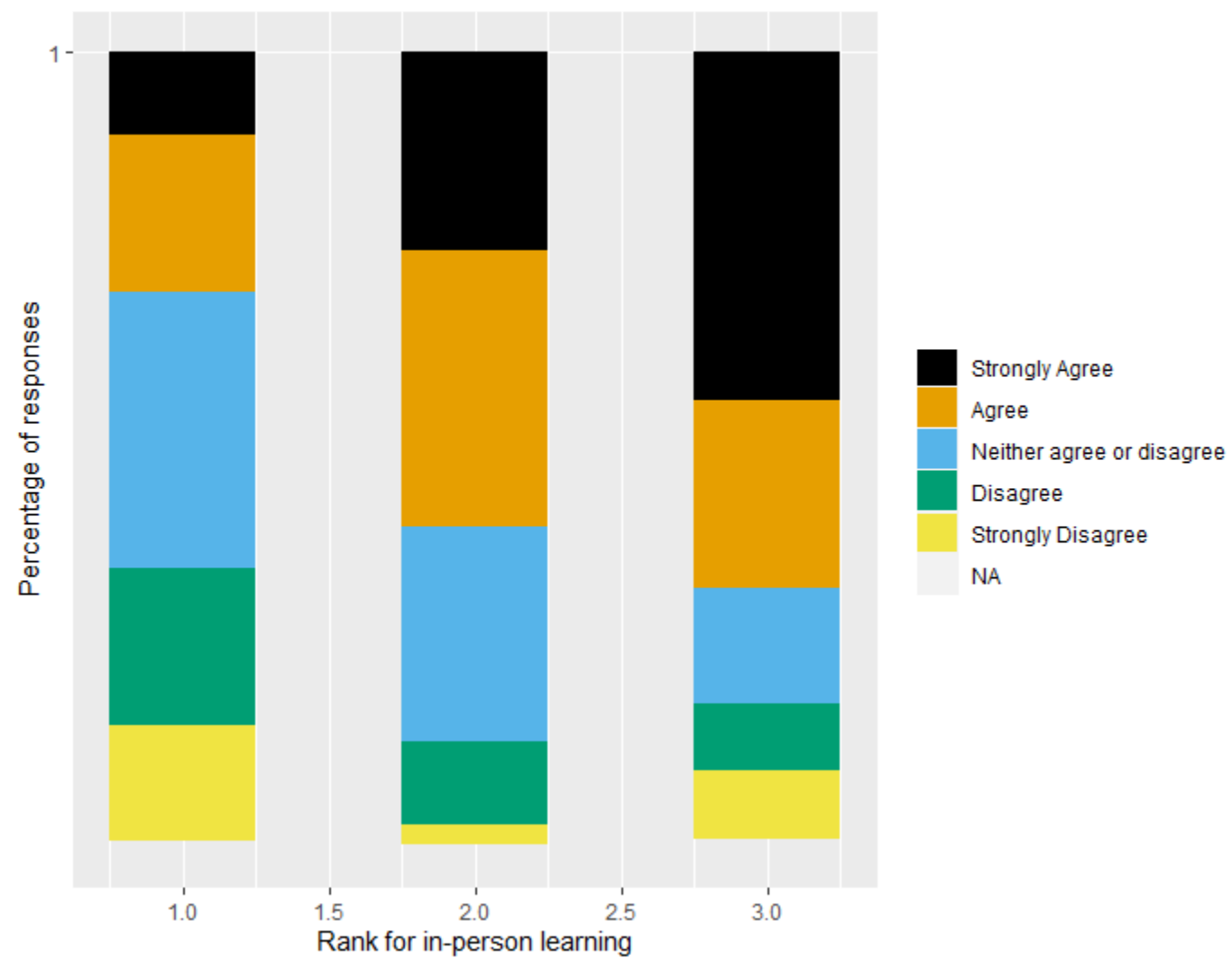
# Things that affected rankings for virtual learning

- Lowered ranking for virtual learning:
  - Higher agreement for “I want return to school for extra curriculars”
  - Higher agreement for Factor 1 (Brick n’mortar)
- Higher ranking for virtual learning:
  - Higher agreement for “Synchronous learning worked best for my family”
  - Higher agreement with “My child did better with remote learning”
  - Higher agreement with Factor 6 (concerns about health)
  - Higher agreement with Factor 7 (masks)

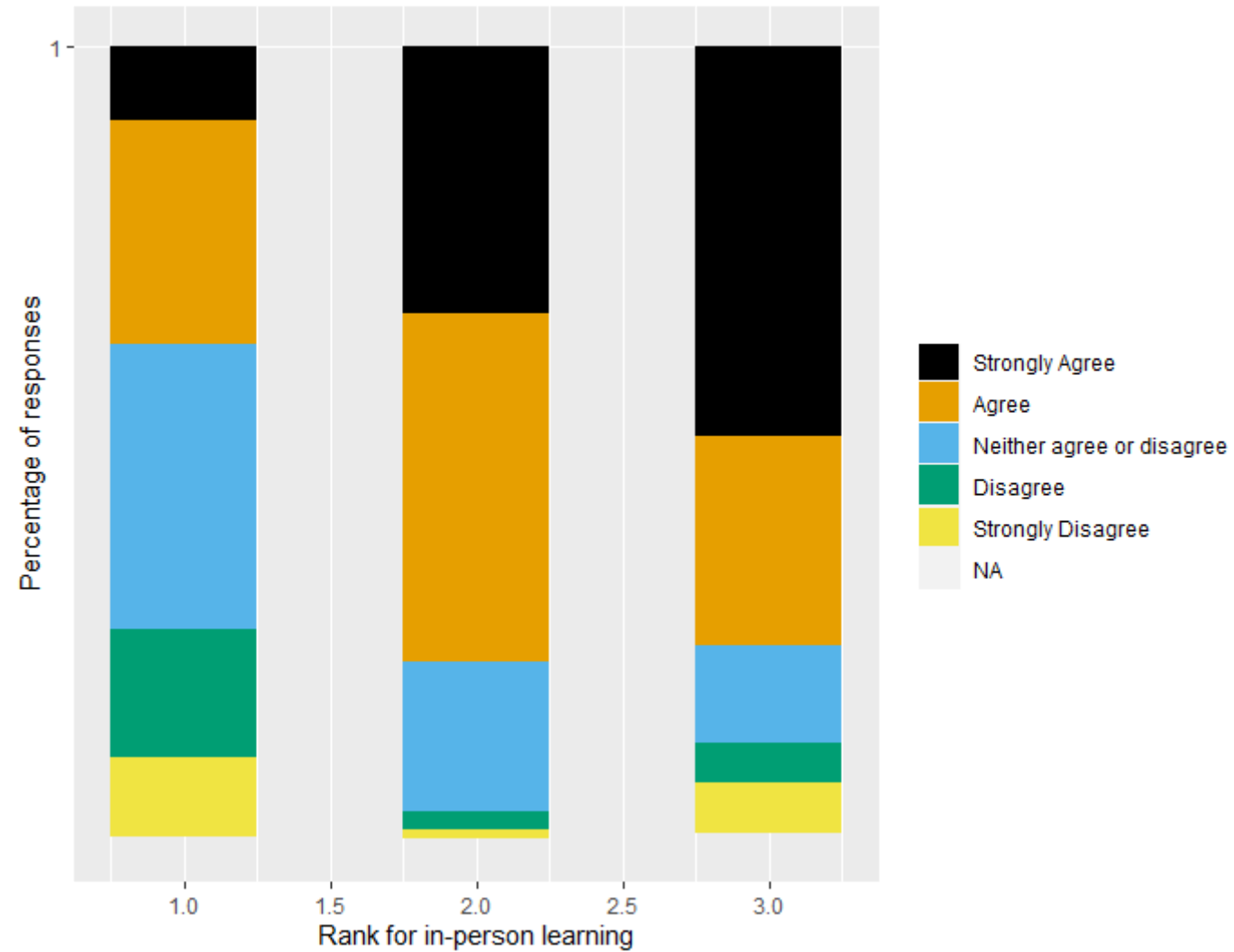
# Things that affected rankings for in-person learning

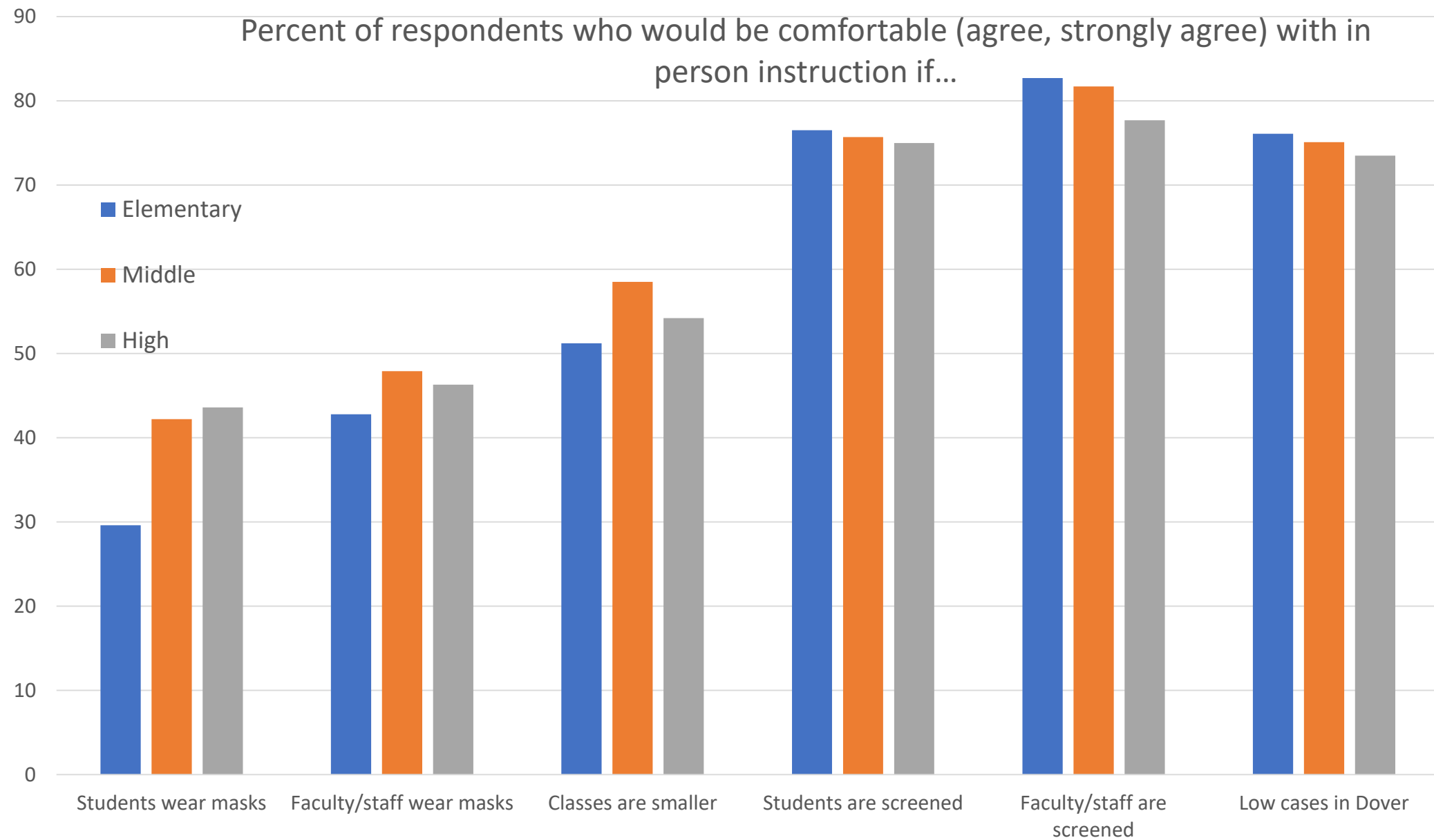
- Things that raised rankings:
  - Higher agreement with extracurriculars q
  - Higher agreement for Factor 1 (brick n'mortar)
  - Higher agreement with Factor 3 (Parent's ability to help)
  - Higher agreement for Factor 4 (returning to school safely)
  - Rated internet access as poor
- Things that lowered rankings:
  - Higher agreement Factor 7 (masks)
  - Higher agreement with wanting lowered class sizes
  - Higher agreement with Factor 6 (concerns about health)
  - Higher agreement with both "child did better with remote learning" questions

# Masks



# Symptom checking





# Things that affected ratings for hybrid

- Things that raised rankings:
  - Child having a laptop (either their own or shared)
  - Higher agreement for reduced class sizes
  - Higher agreement for synchronous lessons working better for them
- Things that lowered rankings:
  - Child has an IEP
  - Higher agreement for “child did better with remote learning” questions
  - Higher agreement with Factor 3 (Parent’s ability to help)

# Tentative initial summary

- Parents who want to keep going virtual and/or don't want to go back in person...
  - Have the ability to supervise synchronous activities
  - Think their child did better with remote learning
  - Are more worried about the pandemic and/or want to see more mitigation measures at the school (esp. masks)
- Parents who want to go to in person...
  - Are more likely to have concerns about their ability to help their children due to work concerns
  - Are more likely to want symptom checking, lower number of cases, if they want mitigation measures
  - Want student access to extracurriculars, to the building's facilities/perceived higher quality of in-person learning
  - Have poorer internet connections

# Things that *didn't* matter (significantly)

- Factors 2 and 5 (remote learning environment, guidance from teachers)
- Other questions in the survey—e.g., amount of work students were getting

# Qualitative feedback

- Still coding data, but...
- Classes that worked well had synchronous teaching, particularly in small groups; discussion/approval of Prodigy, KidsAZ, RAZ, Epic Reading; active learning activities for science (but, issue for parents who didn't have materials on hand)
- Classes that didn't go well either had too much work and/or busy work, or too little work; feeling like teachers weren't checking in and/or were phoning it in
- Related arts/specials/electives: Didn't have time to do these and/or too big a gap between in person and remote learning experience (CTC labs, chorus, etc.)
- General comments about variation between teachers, lack of structure/schedule. Menus/options could be good, but also overwhelming.

# Qualitative feedback

- Return to in-person instruction: parents in both the “We can’t go back until there’s a vaccine” and “Get them back now” camps (with both “this is overblown, don’t do anything that’s different” and “Do what you need to do” sides)
- See also comments about masks—some overall comments that “masks are unhealthy”, and concerns about ability of younger children to keep masks on; other parents firm about necessity of masks for all students, faculty, and staff.

# Bussing

- 708 said they'd send their child on the bus with "appropriate precautions"
- 575 said they wouldn't
- 386 were unsure