Supplementary Material 1 Project survey and raw survey data
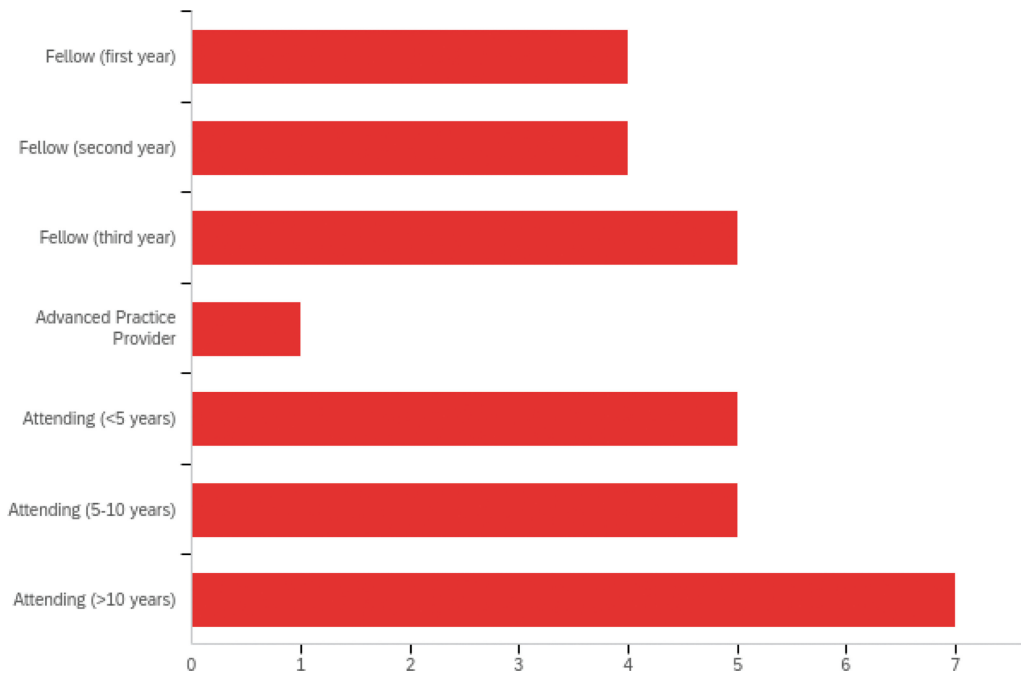
1. What is your level of training? (Select one)
   a. Fellow (first year)
   b. Fellow (second year)
   c. Fellow (third year)
   d. Advanced Practice Provider
   e. Attending (<5 years)
   f. Attending (5–10 years)
   g. Attending (>10 years)

2. Prior to the start of the COVID-19 pandemic, on average, how many lectures would you attend per month (including fellow education, ethics, M&M, journal club, etc.)? For reference, there are typically about three conferences per week or 12 per month. (Select one)
   a. 0–3
   b. 4–6
   c. 7–9
   d. ≥10
   e. N/A

3. Since the beginning of the COVID-19 pandemic, on average, how many live lectures do you attend per month? This includes virtual attendance. (Select one)
   a. 0–3
   b. 4–6
   c. 7–9
   d. ≥10

4. Since the start of the COVID-19 pandemic, on average, how many recorded lectures do you watch per month? (Select one)
   a. 0–3
   b. 4–6
   c. 7–9
   d. ≥10

5. On a scale of 1 to 5, how satisfied are you with a virtual learning platform? (Select one)
   a. 1: Extremely satisfied
   b. 2: Slightly satisfied
   c. 3: Neither satisfied nor dissatisfied
   d. 4: Slightly dissatisfied
   e. 5: Extremely dissatisfied

6. Do you feel more or less engaged when attending lectures virtually? (Select one)
   a. More engaged
   b. Similarly engaged
   c. Less engaged

7. How difficult is it to use virtual learning technology? (Select one)
   a. 1: Extremely easy
   b. 2: Slightly easy
   c. 3: Neither easy nor difficult
   d. 4: Slightly difficult
   e. 5: Extremely difficult

8. What barriers have you faced with virtual learning? (Check all that apply)
   a. Poor WiFi
   b. Unable to hear clearly
   c. Unable to use microphone
   d. Unable to view presenter or his/her slides
   e. Difficulty finding a link to connect to the conference
   f. Other (Please explain)

9. In which conference modality, do you more actively participate (by asking questions, comment, etc.)? (Select one)
   a. In-person learning
   b. Virtual learning

10. If you had the option to either attend in-person learning or virtual learning, which would you prefer? (Select one)
    a. In-person learning
    b. Virtual learning

11. Virtual learning is an effective method for learning. (Select one)
    a. Agree
    b. Neutral
    c. Disagree

12. If you have given a virtual presentation, how likely are you to recommend virtual teaching in the future? (Select one)
    a. 1. Extremely likely
    b. 2. Slightly likely
    c. 3. Neither likely nor unlikely
    d. 4. Slightly unlikely
    e. 5. Extremely unlikely
    f. 6. I have not given a virtual presentation.

13. Virtual learning has impacted my work-life balance. (Select one)
    a. Positively
    b. Neutral
    c. Negatively

14. What have you enjoyed most about learning virtually? (Free text)

15. What do you dislike about virtual learning? (Free text.)

16. How could virtual learning be improved? (Free text)

Q1 – What is your level of training?

No.	Field	Minimum	Maximum	Mean	Standard deviation	Variance	Count
1	What is your level of training?	1.00	7.00	4.35	2.13	4.55	31
	Answer				%		Count
1	Fellow (first year)				12.90%		4
2	Fellow (second year)				12.90%		4
3	Fellow (third year)				16.13%		5
4	Advanced Practice Provider				3.23%		1
5	Attending (<5 years)				16.13%		5
6	Attending (5–10 years)				16.13%		5
7	Attending (>10 years)				22.58%		7
	Total				100%		31

Q2 - Prior to the start of the COVID-19 pandemic, on average, how many lectures would you attend per month (including ethics, M&M, journal club, etc.)? For reference, there are typically about three conferences per week or 12 per month.
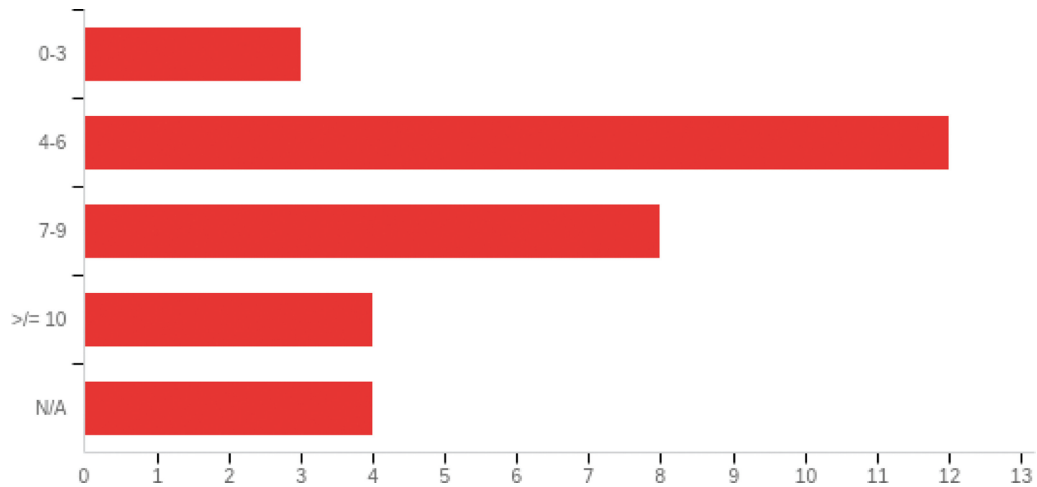
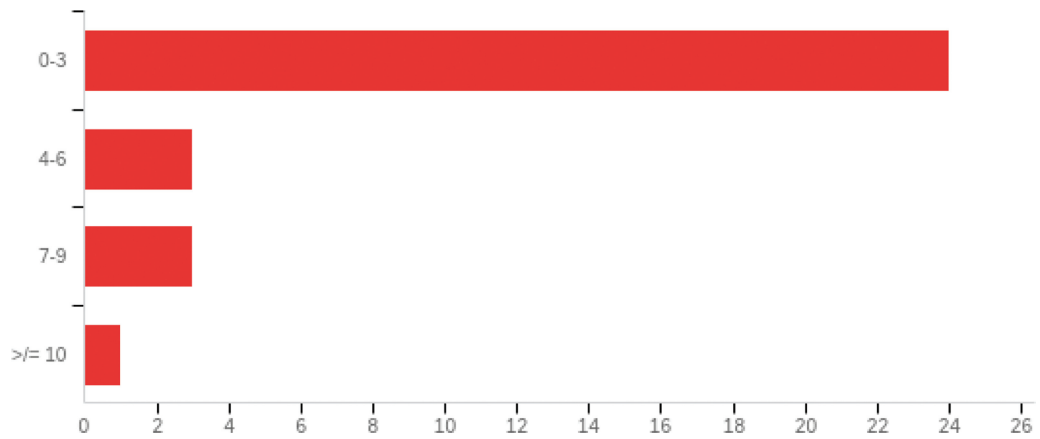| No.	Field	Minimum	Maximum	Mean	Standard deviation	Variance	Count
1	Prior to the start of the COVID-19 pandemic, on average, how many lectures would you attend per month (including ethics, M&M, journal club, etc.)? For reference, there are typically about three conferences per week or 12 per month.	1.00	5.00	2.81	1.18	1.38	31

	Answer				%		Count
1	0–3				9.68%		3
2	4–6				38.71%		12
3	7–9				25.81%		8
4	≥10				12.90%		4
5	N/A				12.90%		4
	Total				100%		31

Q3 - Since the beginning of the COVID-19 pandemic, on average, how many Live lectures do you attend per month? This includes virtual attendance.
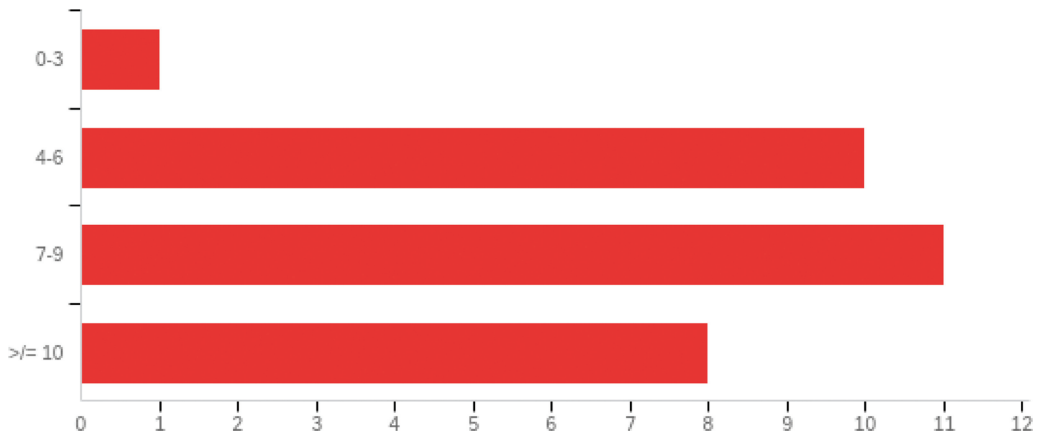
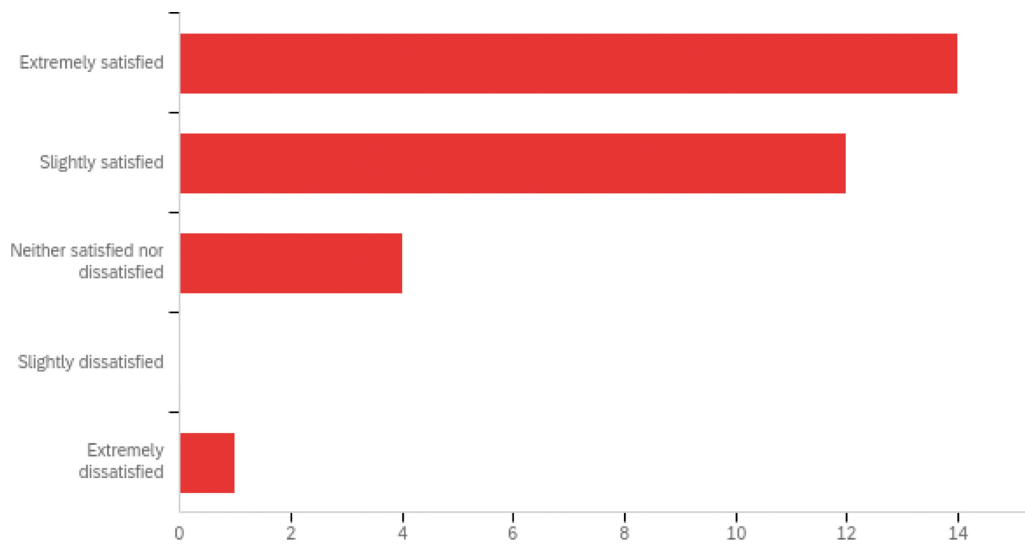| No.	Field	Minimum	Maximum	Mean	Standard Deviation	Variance	Count
1	Since the beginning of the COVID-19 pandemic, on average, how many LIVE lectures do you attend per month? This includes virtual attendance.	1.00	4.00	2.87	0.85	0.72	30

	Answer				%		Count
1	0–3				3.33%		1
2	4–6				33.33%		10
3	7–9				36.67%		11
4	$\geq$10				26.67%		8
	Total				100%		30

Q4 - Since the start of the COVID-19 pandemic, on average, how many recorded lectures do you watch per month?

No.	Field	Minimum	Maximum	Mean	Standard deviation	Variance	Count
1	Since the start of the COVID-19 pandemic, on average, how many recorded lectures do you watch per month?	1.00	4.00	1.39	0.79	0.62	31
	Answer				%		Count
1	0–3				77.42%		24
2	4–6				9.68%		3
3	7–9				9.68%		3
4	≥10				3.23%		1
	Total				100%		31

Q5 - On the following scale, how satisfied are you with a virtual learning platform?

No.	Field	Minimum	Maximum	Mean	Standard deviation	Variance	Count
1	On the following scale, how satisfied are you with a virtual learning platform?	1.00	5.00	1.77	0.91	0.82	31
	Answer				%		Count
1	Extremely satisfied				45.16%		14
2	Slightly satisfied				38.71%		12
3	Neither satisfied nor dissatisfied				12.90%		4
4	Slightly dissatisfied				0.00%		0
5	Extremely dissatisfied				3.23%		1
	Total				100%		31

Q6 - Do you feel more or less engaged when attending lectures virtually?
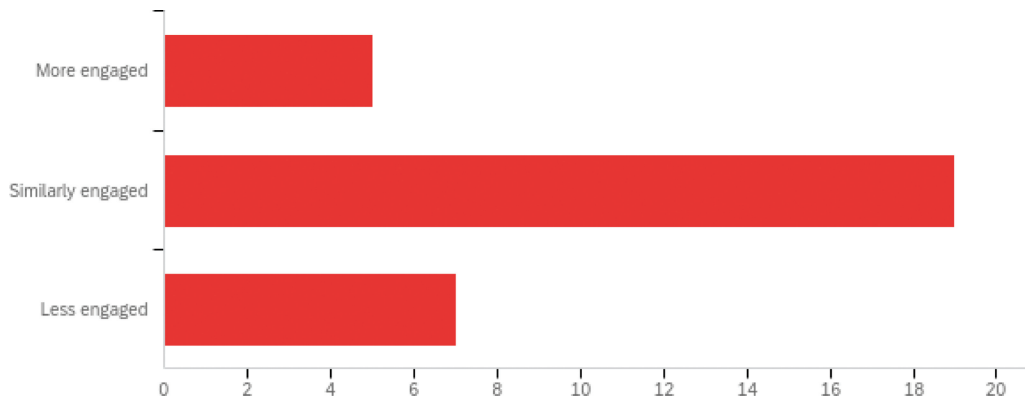
No.	Field	Minimum	Maximum	Mean	Standard deviation	Variance	Count
1	Do you feel more or less engaged when attending lectures virtually?	1.00	3.00	2.06	0.62	0.38	31
	Answer				%		Count
1	More engaged				16.13%		5
2	Similarly engaged				61.29%		19
3	Less engaged				22.58%		7
	Total				100%		31

Q7 - How difficult is it to use virtual learning technology?
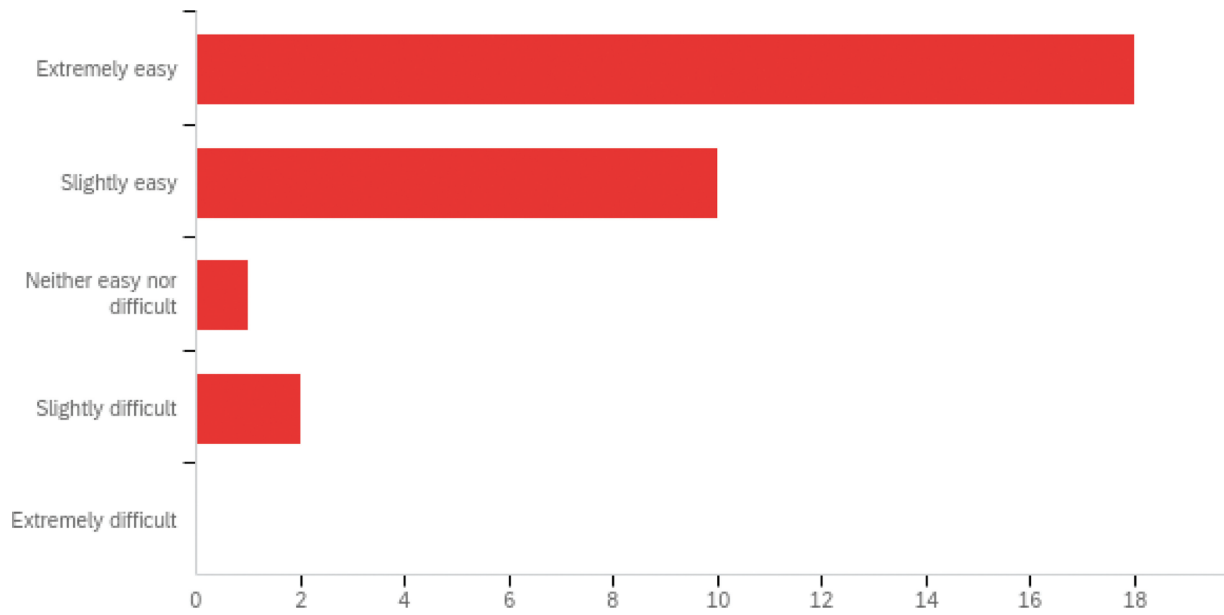
No.	Field	Minimum	Maximum	Mean	Standard deviation	Variance	Count
1	How difficult is it to use virtual learning technology?	1.00	4.00	1.58	0.83	0.70	31
	Answer				%		Count
1	Extremely easy				58.06%		18
2	Slightly easy				32.26%		10
3	Neither easy nor difficult				3.23%		1
4	Slightly difficult				6.45%		2
5	Extremely difficult				0.00%		0
	Total				100%		31

Q8 – What barriers have you faced with virtual learning? (Check all that apply)
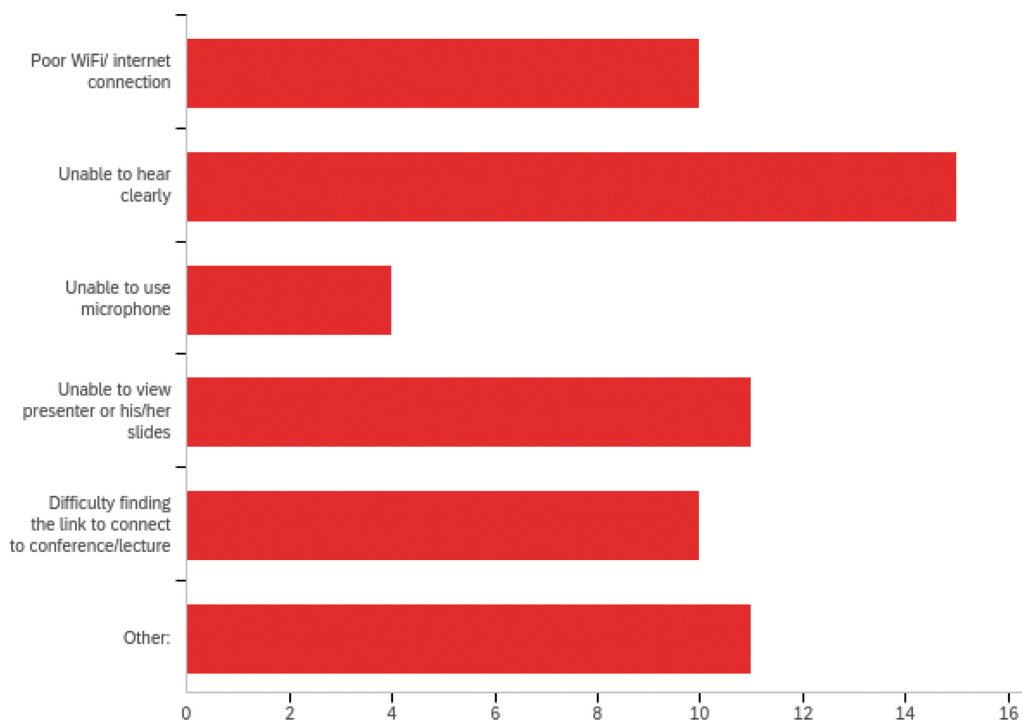
No.	Answer	%	Count
1	Poor WiFi/ internet connection	16.39%	10
2	Unable to hear clearly	24.59%	15
3	Unable to use microphone	6.56%	4
4	Unable to view presenter or his/her slides	18.03%	11
5	Difficulty finding the link to connect to conference/lecture	16.39%	10
6	Other:	18.03%	11
	Total	100%	61

Q9 - In which conference modality do you more actively participate (by asking questions, comment, etc.)?
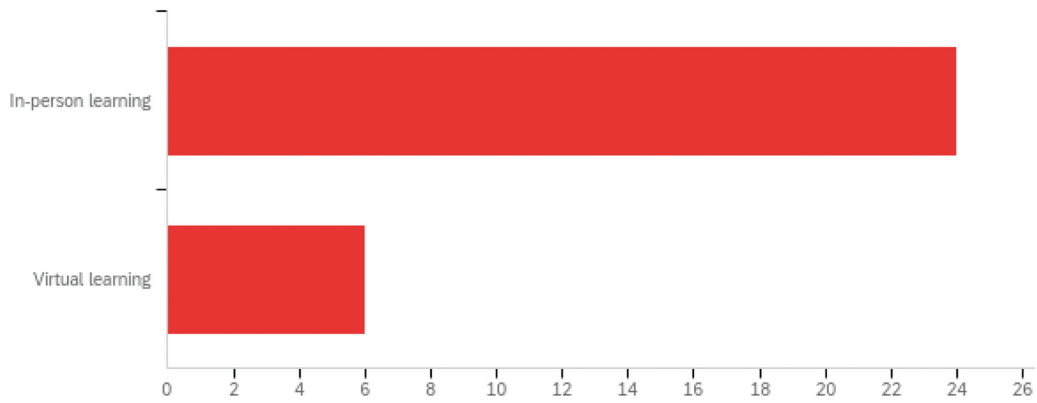
No.	Field	Minimum	Maximum	Mean	Standard deviation	Variance	Count
1	In which conference modality do you more actively participate (by asking questions, comment, etc.)?	1.00	2.00	1.20	0.40	0.16	30
	Answer				%		Count
1	In-person learning				80.00%		24
2	Virtual learning				20.00%		6
	Total				100%		30

Q10 - If you had the option to either attend in-person learning or virtual learning, which would you prefer?
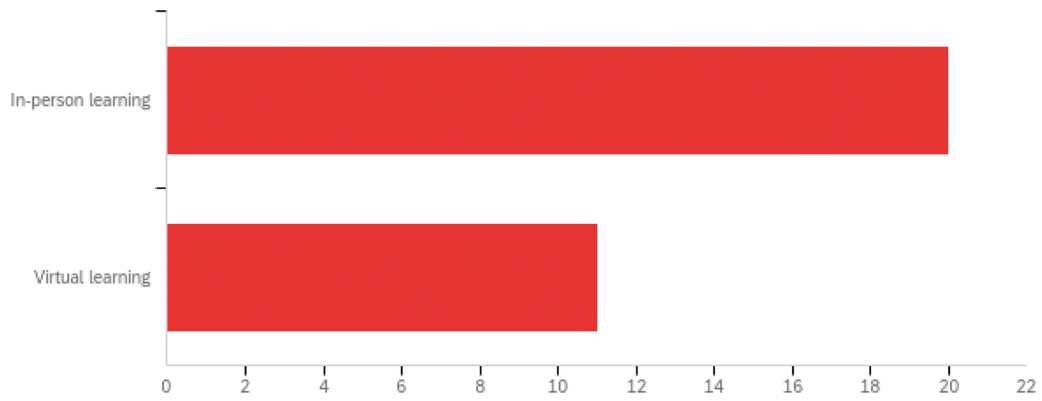
No.	Field	Minimum	Maximum	Mean	Standard deviation	Variance	Count
1	If you had the option to either attend in-person learning or virtual learning, which would you prefe	1.00	2.00	1.35	0.48	0.23	31
	Answer				%		Count
1	In-person learning				64.52%		20
2	Virtual learning				35.48%		11
	Total				100%		31

Q11 - Virtual learning is an effective method for learning.
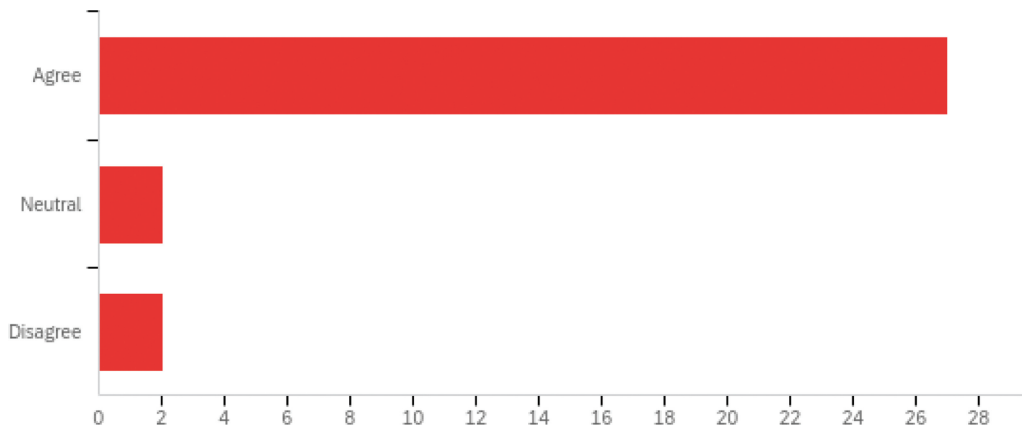
No.	Field	Minimum	Maximum	Mean	Standard deviation	Variance	Count
1	Virtual learning is an effective method for learning.	1.00	3.00	1.19	0.53	0.29	31

	Answer				%		Count
1	Agree				87.10%		27
2	Neutral				6.45%		2
3	Disagree				6.45%		2
	Total				100%		31

Q12 - If you have given a virtual presentation, how likely are you to recommend virtual teaching in the future?
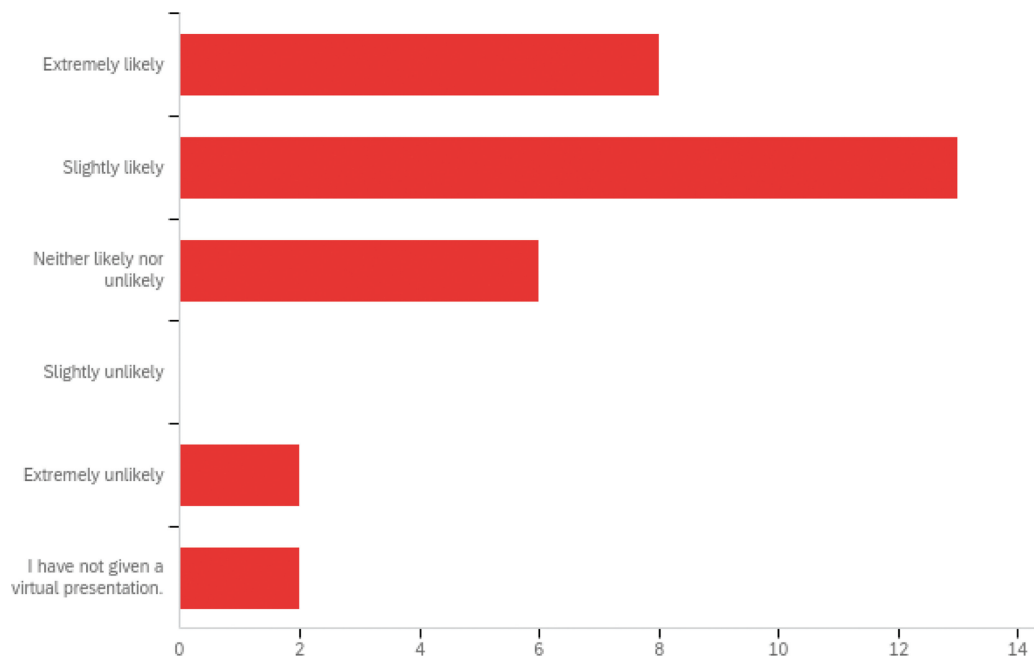
No.	Field	Minimum	Maximum	Mean	Standard deviation	Variance	Count
1	If you have given a virtual presentation, how likely are you to recommend virtual teaching in the future?	1.00	6.00	2.39	1.38	1.91	31
	Answer				%		Count
1	Extremely likely				25.81%		8
2	Slightly likely				41.94%		13
3	Neither likely nor unlikely				19.35%		6
4	Slightly unlikely				0.00%		0
5	Extremely unlikely				6.45%		2
6	I have not given a virtual presentation.				6.45%		2
	Total				100%		31

Q13 - Virtual learning has impacted my work-life balance.
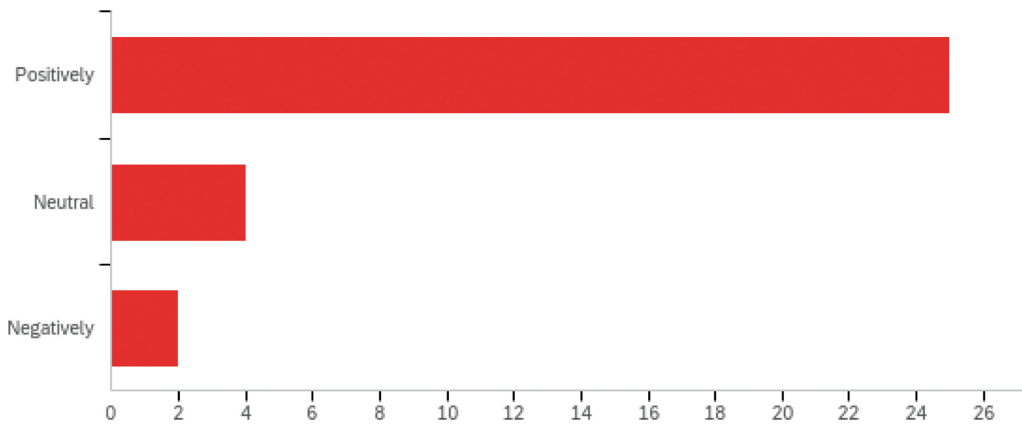
No.	Field	Minimum	Maximum	Mean	Standard deviation	Variance	Count
1	Virtual learning has impacted my work-life balance.	1.00	3.00	1.26	0.57	0.32	31
	Answer				**%**		**Count**
1	Positively				80.65%		25
2	Neutral				12.90%		4
3	Negatively				6.45%		2
	Total				100%		31

Supplementary Table S1 Raw attendance data

Date	Conference Type				Total
	PQRS	ECMO & CRRT	M&M	JC	
Jan 2018		33	16	48	97
Feb 2018	14		14	65	93
Mar 2018		27		52	79
Apr 2018	14	7	17	61	99
May 2018		17	24	66	107
Jun 2018	12	17		42	71
Jul 2018			19		19
Aug 2018	8	13	24	90	135
Sep 2018			25	46	71
Oct 2018	8	22		43	73
Nov 2018			17	59	76
Dec 2018	10	11	17	49	87
Jan 2019		19	15	79	113
Feb 2019	7	17	18	67	109
Mar 2019		11	17	65	93
Apr 2019	7	15	16	72	110
May 2019		15	12	82	109
Jun 2019	12		18	39	69
Jul 2019			20	23	43
Aug 2019	12			92	104
Sep 2019				68	68
Oct 2019	16	9		69	94
Nov 2019			13	41	54
Dec 2019	13		13	61	87
Jan 2020		12	9	55	76
Feb 2020	9	6		33	48
Mar 2020				23	23
Apr 2020				79	79
May 2020			21	92	113
Jun 2020	15		24	48	87
Jul 2020					
Aug 2020	14	23	19	61	117
Sep 2020		25	26	90	141