

Spring 2024 Distance Education Satisfaction Survey Results Disaggregated by SAO 2 questions (Improve Equity in Student Experience and Success) to examine Disproportionate Impact by Ethnicity, Gender, and Age.

Ethnicity

The following identifies where there was disproportionate impact when disaggregating navigating Canvas by ethnicity. In order for DI to occur the difference when compared to the overall percentage of navigating being easy needed to be statistically significant ($p < .05$) and substantial ($ES \geq .10$). If the difference had an effect size equal to or greater than .10 it is highlighted in yellow as a possible area of concern.

Findings: **There was no disproportionate impact by ethnicity**; however, there were possibly areas of concern with substantial effect sizes .10 or higher. Specifically, Black / African American Students may struggle more with locating information in Canvas.

The differences illustrated below may be areas of concern.

- Q9_1: Locating the Syllabus – 88% of **Black / African American Students** found locating the syllabus easy compared to 95% overall.
- Q9_2: Locating Zoom link for Remote Classes – 86% of Asian Students and 88% of those who declined to state their ethnicity found locating a zoom link easy compared to 92% overall.
- Q9_3: Locating Zoom link for Synchronous Office Hours – 86% of **Black / African American Students** found locating the zoom link for office hours easy compared to 93% overall.
- Q9_4: Locating course Content in Canvas – 85% of Asian Students and 85% of students identifying as having multiple ethnicities found locating course content easy compared to 95% overall.
- Q9_5: Following the Flow of Content in Canvas Modules – 85% of Asian Students, 85% of students with multiple ethnicities, and 85% of students who declined to state their ethnicity found it easy to follow the flow of content in Canvas modules compared to 91% overall.
- Q9_6: Locating Assignments in Canvas – 89% of students who identified with Multiple Ethnicities found it easy to locate assignments in Canvas compared to 96% overall.
- Q9_7: Contacting Instructor Via Canvas – 85% of White students found it easy to contact their instructor in Canvas compared to 91% overall.
- Q9_8: Locating Instructor's Feedback on Assignments – 85% of students who declined to state and identified as having multiple ethnicities found it easy to find feedback on their assignments in Canvas compared to 92% overall.
- Q9_10: Locating Instructor's Announcements in Canvas – **94% of Black / African American Students** and 93% of students with "Other" ethnicity found it easy to locate announcements in Canvas compared to 96% overall.

- Q9_10: Locating Student Services Links – 88% of **Black / African American Students**, 89% of white students, 88% of students identifying with multiple ethnicities, and students having “Other” as their ethnicity found it easy to locate student services links in Canvas compared to 92% overall.
- Q9_11: Locating tech help links in Canvas – 79% of **Black / African American Students**, 82% of white students, 77% of students identifying as having multiple ethnicities, and students with “Other” found it easy to locate technology help in Canvas compared to 86% overall.

Q19 Please identify your ethnicity: * Q9_1 How easy or difficult was it to accomplish the following in your online courses? - Locating your syllabus in Canvas Crosstabulation

			Q9_1 How easy or difficult was it to accomplish the following in your online courses? - Locating your syllabus in Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q19 Please identify your ethnicity:	1 Black/African American	#:	2	14	16
		%:	12.5%	87.5%	100.0%
	2 Asian	#:	1	19	20
		%:	5.0%	95.0%	100.0%
	3 White	#:	4	96	100
		%:	4.0%	96.0%	100.0%
	4 Hispanic/Latinx	#:	8	139	147
		%:	5.4%	94.6%	100.0%
	5 Multiple ethnicities	#:	2	24	26
		%:	7.7%	92.3%	100.0%
	6 Native American	#:	0	6	6
		%:	0.0%	100.0%	100.0%
	7 Decline to state	#:	0	13	13
		%:	0.0%	100.0%	100.0%
	9 Filipino	#:	0	2	2
		%:	0.0%	100.0%	100.0%
	10 Other	#:	0	14	14
		%:	0.0%	100.0%	100.0%
Total		#:	17	327	344
		%:	4.9%	95.1%	100.0%

Q19 Please identify your ethnicity: * Q9_2 How easy or difficult was it to accomplish the following in your online courses? - Locating the Zoom or teleconference link for remote course offerings Crosstabulation

			Q9_2 How easy or difficult was it to accomplish the following in your online courses? - Locating the Zoom or teleconference link for remote course offerings		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q19 Please identify your ethnicity:	1 Black/African American	#:	1	12	13
		%:	7.7%	92.3%	100.0%
	2 Asian	#:	2	12	14
		%:	14.3%	85.7%	100.0%
	3 White	#:	6	63	69
		%:	8.7%	91.3%	100.0%
	4 Hispanic/Latinx	#:	8	100	108
		%:	7.4%	92.6%	100.0%
	5 Multiple ethnicities	#:	1	14	15
		%:	6.7%	93.3%	100.0%
	6 Native American	#:	0	3	3
		%:	0.0%	100.0%	100.0%
	7 Decline to state	#:	1	7	8
		%:	12.5%	87.5%	100.0%
	9 Filipino	#:	0	2	2
		%:	0.0%	100.0%	100.0%
	10 Other	#:	1	10	11
		%:	9.1%	90.9%	100.0%
Total		#:	20	223	243
		%:	8.2%	91.8%	100.0%

Q19 Please identify your ethnicity: * Q9_3 How easy or difficult was it to accomplish the following in your online courses? - Locating the Zoom, teleconference, or chat link for synchronous office hours
Crosstabulation

			Q9_3 How easy or difficult was it to accomplish the following in your online courses? - Locating the Zoom, teleconference, or chat link for synchronous office hours		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q19 Please identify your ethnicity:	1 Black/African American	#:	2	12	14
		%:	14.3%	85.7%	100.0%
	2 Asian	#:	1	15	16
		%:	6.3%	93.8%	100.0%
	3 White	#:	7	65	72
		%:	9.7%	90.3%	100.0%
	4 Hispanic/Latinx	#:	8	103	111
		%:	7.2%	92.8%	100.0%
	5 Multiple ethnicities	#:	1	16	17
		%:	5.9%	94.1%	100.0%
	6 Native American	#:	0	4	4
		%:	0.0%	100.0%	100.0%
	7 Decline to state	#:	0	7	7
		%:	0.0%	100.0%	100.0%
	9 Filipino	#:	0	2	2
		%:	0.0%	100.0%	100.0%
	10 Other	#:	0	11	11
		%:	0.0%	100.0%	100.0%
Total		#:	19	235	254
		%:	7.5%	92.5%	100.0%

Q19 Please identify your ethnicity: * Q9_4 How easy or difficult was it to accomplish the following in your online courses? - Locating course content in Canvas Crosstabulation

			Q9_4 How easy or difficult was it to accomplish the following in your online courses? - Locating course content in Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q19 Please identify your ethnicity:	1 Black/African American	#:	0	16	16
		%:	0.0%	100.0%	100.0%
	2 Asian	#:	3	17	20
		%:	15.0%	85.0%	100.0%
	3 White	#:	5	96	101
		%:	5.0%	95.0%	100.0%
	4 Hispanic/Latinx	#:	5	142	147
		%:	3.4%	96.6%	100.0%
	5 Multiple ethnicities	#:	4	22	26
		%:	15.4%	84.6%	100.0%
	6 Native American	#:	0	6	6
		%:	0.0%	100.0%	100.0%
	7 Decline to state	#:	1	12	13
		%:	7.7%	92.3%	100.0%
	9 Filipino	#:	0	2	2
		%:	0.0%	100.0%	100.0%
	10 Other	#:	0	14	14
		%:	0.0%	100.0%	100.0%
Total		#:	18	327	345
		%:	5.2%	94.8%	100.0%

Q19 Please identify your ethnicity: * Q9_5 How easy or difficult was it to accomplish the following in your online courses? - Following the flow of content in Canvas modules Crosstabulation

			Q9_5 How easy or difficult was it to accomplish the following in your online courses? - Following the flow of content in Canvas modules		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q19 Please identify your ethnicity:	1 Black/African American	#:	0	16	16
		%:	0.0%	100.0%	100.0%
	2 Asian	#:	3	17	20
		%:	15.0%	85.0%	100.0%
	3 White	#:	8	93	101
		%:	7.9%	92.1%	100.0%
	4 Hispanic/Latinx	#:	13	133	146
		%:	8.9%	91.1%	100.0%
	5 Multiple ethnicities	#:	4	22	26
		%:	15.4%	84.6%	100.0%
	6 Native American	#:	0	6	6
		%:	0.0%	100.0%	100.0%
	7 Decline to state	#:	2	11	13
		%:	15.4%	84.6%	100.0%
	9 Filipino	#:	0	2	2
		%:	0.0%	100.0%	100.0%
	10 Other	#:	0	14	14
		%:	0.0%	100.0%	100.0%
Total		#:	30	314	344
		%:	8.7%	91.3%	100.0%

Q19 Please identify your ethnicity: * Q9_6 How easy or difficult was it to accomplish the following in your online courses? - Locating assignments in Canvas Crosstabulation

			Q9_6 How easy or difficult was it to accomplish the following in your online courses? - Locating assignments in Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q19 Please identify your ethnicity:	1 Black/African American	#:	0	16	16
		%:	0.0%	100.0%	100.0%
	2 Asian	#:	1	19	20
		%:	5.0%	95.0%	100.0%
	3 White	#:	4	96	100
		%:	4.0%	96.0%	100.0%
	4 Hispanic/Latinx	#:	6	139	145
		%:	4.1%	95.9%	100.0%
	5 Multiple ethnicities	#:	3	23	26
		%:	11.5%	88.5%	100.0%
	6 Native American	#:	0	6	6
		%:	0.0%	100.0%	100.0%
	7 Decline to state	#:	0	13	13
		%:	0.0%	100.0%	100.0%
	9 Filipino	#:	0	2	2
		%:	0.0%	100.0%	100.0%
	10 Other	#:	1	13	14
		%:	7.1%	92.9%	100.0%
Total		#:	15	327	342
		%:	4.4%	95.6%	100.0%

Q19 Please identify your ethnicity: * Q9_7 How easy or difficult was it to accomplish the following in your online courses? - Contacting your instructor via Canvas Crosstabulation

			Q9_7 How easy or difficult was it to accomplish the following in your online courses? - Contacting your instructor via Canvas		Total
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	
Q19 Please identify your ethnicity:	1 Black/African American	#:	1	15	16
		%:	6.3%	93.8%	100.0%
	2 Asian	#:	1	19	20
		%:	5.0%	95.0%	100.0%
	3 White	#:	15	84	99
		%:	15.2%	84.8%	100.0%
	4 Hispanic/Latinx	#:	11	131	142
		%:	7.7%	92.3%	100.0%
	5 Multiple ethnicities	#:	2	24	26
		%:	7.7%	92.3%	100.0%
	6 Native American	#:	0	6	6
		%:	0.0%	100.0%	100.0%
	7 Decline to state	#:	0	12	12
		%:	0.0%	100.0%	100.0%
	9 Filipino	#:	0	1	1
		%:	0.0%	100.0%	100.0%
	10 Other	#:	1	11	12
		%:	8.3%	91.7%	100.0%
Total		#:	31	303	334
		%:	9.3%	90.7%	100.0%

Q19 Please identify your ethnicity: * Q9_8 How easy or difficult was it to accomplish the following in your online courses? - Locating your instructor's feedback on assignments via Canvas Crosstabulation

			Q9_8 How easy or difficult was it to accomplish the following in your online courses? - Locating your instructor's feedback on assignments via Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q19 Please identify your ethnicity:	1 Black/African American	#:	0	16	16
		%:	0.0%	100.0%	100.0%
	2 Asian	#:	1	19	20
		%:	5.0%	95.0%	100.0%
	3 White	#:	10	91	101
		%:	9.9%	90.1%	100.0%
	4 Hispanic/Latinx	#:	10	135	145
		%:	6.9%	93.1%	100.0%
	5 Multiple ethnicities	#:	4	22	26
		%:	15.4%	84.6%	100.0%
	6 Native American	#:	0	6	6
		%:	0.0%	100.0%	100.0%
	7 Decline to state	#:	2	11	13
		%:	15.4%	84.6%	100.0%
	9 Filipino	#:	0	2	2
		%:	0.0%	100.0%	100.0%
	10 Other	#:	1	13	14
		%:	7.1%	92.9%	100.0%
Total		#:	28	315	343
		%:	8.2%	91.8%	100.0%

Q19 Please identify your ethnicity: * Q9_9 How easy or difficult was it to accomplish the following in your online courses? - Locating instructor's announcements in Canvas Crosstabulation

			Q9_9 How easy or difficult was it to accomplish the following in your online courses? - Locating instructor's announcements in Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q19 Please identify your ethnicity:	1 Black/African American	#:	1	15	16
		%:	6.3%	93.8%	100.0%
	2 Asian	#:	1	19	20
		%:	5.0%	95.0%	100.0%
	3 White	#:	6	95	101
		%:	5.9%	94.1%	100.0%
	4 Hispanic/Latinx	#:	4	142	146
		%:	2.7%	97.3%	100.0%
	5 Multiple ethnicities	#:	1	25	26
		%:	3.8%	96.2%	100.0%
	6 Native American	#:	0	6	6
		%:	0.0%	100.0%	100.0%
	7 Decline to state	#:	0	13	13
		%:	0.0%	100.0%	100.0%
	9 Filipino	#:	0	2	2
		%:	0.0%	100.0%	100.0%
	10 Other	#:	1	13	14
		%:	7.1%	92.9%	100.0%
Total		#:	14	330	344
		%:	4.1%	95.9%	100.0%

Q19 Please identify your ethnicity: * Q9_10 How easy or difficult was it to accomplish the following in your online courses? - Locating student services links in Canvas Crosstabulation

			Q9_10 How easy or difficult was it to accomplish the following in your online courses? - Locating student services links in Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q19 Please identify your ethnicity:	1 Black/African American	#:	2	14	16
		%:	12.5%	87.5%	100.0%
	2 Asian	#:	2	16	18
		%:	11.1%	88.9%	100.0%
	3 White	#:	10	79	89
		%:	11.2%	88.8%	100.0%
	4 Hispanic/Latinx	#:	7	133	140
		%:	5.0%	95.0%	100.0%
	5 Multiple ethnicities	#:	3	21	24
		%:	12.5%	87.5%	100.0%
	6 Native American	#:	0	6	6
		%:	0.0%	100.0%	100.0%
	7 Decline to state	#:	1	9	10
		%:	10.0%	90.0%	100.0%
	9 Filipino	#:	0	1	1
		%:	0.0%	100.0%	100.0%
	10 Other	#:	2	12	14
		%:	14.3%	85.7%	100.0%
Total		#:	27	291	318
		%:	8.5%	91.5%	100.0%

Q19 Please identify your ethnicity: * Q9_11 How easy or difficult was it to accomplish the following in your online courses? - Locating tech help links in Canvas Crosstabulation

			Q9_11 How easy or difficult was it to accomplish the following in your online courses? - Locating tech help links in Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q19 Please identify your ethnicity:	1 Black/African American	#:	3	11	14
		%:	21.4%	78.6%	100.0%
	2 Asian	#:	2	14	16
		%:	12.5%	87.5%	100.0%
	3 White	#:	13	61	74
		%:	17.6%	82.4%	100.0%
	4 Hispanic/Latinx	#:	12	113	125
		%:	9.6%	90.4%	100.0%
	5 Multiple ethnicities	#:	5	17	22
		%:	22.7%	77.3%	100.0%
	6 Native American	#:	0	6	6
		%:	0.0%	100.0%	100.0%
	7 Decline to state	#:	1	8	9
		%:	11.1%	88.9%	100.0%
	9 Filipino	#:	0	1	1
		%:	0.0%	100.0%	100.0%
	10 Other	#:	2	9	11
		%:	18.2%	81.8%	100.0%
Total		#:	38	240	278
		%:	13.7%	86.3%	100.0%

Gender

The following identifies where there was disproportionate impact when disaggregating navigating Canvas by gender. In order for DI to occur the difference when compared to the overall percentage of navigating being easy needed to be statistically significant ($p < .05$) and substantial ($ES \geq .10$). If the difference had an effect size equal to or greater than .10 it is highlighted in yellow as a possible area of concern.

Findings: **There was no disproportionate impact by gender**; however, there were possibly areas of concern with substantial effect sizes .10 or higher. Specifically, students identifying as non-binary may struggle more with finding information in Canvas.

The differences illustrated below may be areas of concern.

- Q9_1: Locating the Syllabus – 80% of **students identifying as non-binary** found locating the syllabus easy compared to 95% overall.
- Q9_2: Locating Zoom link for Remote Classes – 89% of males found locating a zoom link easy compared to 92% overall.
- Q9_3: Locating Zoom link for Synchronous Office Hours – 75% of **students identifying as non-binary** found locating the zoom link for office hours easy compared to 93% overall.
- Q9_4: Locating course Content in Canvas – 80% of **students identifying as non-binary** found locating course content easy compared to 95% overall.
- Q9_5: Following the Flow of Content in Canvas Modules – 80% of **students identifying as non-binary** and 86% of students who declined to state their gender found it easy to follow the flow of content in Canvas modules compared to 91% overall.
- Q9_6: Locating Assignments in Canvas – 80% of **students identifying as non-binary** found it easy to locate assignments in Canvas compared to 96% overall.
- Q9_7: Contacting Instructor Via Canvas – 80% of **students identifying as non-binary** found it easy to contact their instructor in Canvas compared to 91% overall.
- Q9_8: Locating Instructor's Feedback on Assignments – 80% of **students identifying as non-binary** and 71% of students who declined to state their gender found it easy to find feedback on their assignments in Canvas compared to 92% overall.
- Q9_9: Locating Instructor's Announcements in Canvas – 80% of **students identifying as non-binary** found it easy to locate announcements in Canvas compared to 96% overall.
- Q9_10: Locating Student Services Links – 60% of **students identifying as non-binary** and 71% of students who declined to state their gender found it easy to locate student services links in Canvas compared to 92% overall.

- Q9_11: Locating tech help links in Canvas – 60% of **students identifying as non-binary** and 60% of students who declined to state their gender found it easy to locate technology help in Canvas compared to 86% overall.

Q18 Please identify your gender: * Q9_1 How easy or difficult was it to accomplish the following in your online courses? - Locating your syllabus in Canvas Crosstabulation

			Q9_1 How easy or difficult was it to accomplish the following in your online courses? - Locating your syllabus in Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q18 Please identify your gender:	1 Female	#:	13	247	260
		%:	5.0%	95.0%	100.0%
	2 Male	#:	3	67	70
		%:	4.3%	95.7%	100.0%
	3 Transgender	#:	0	1	1
		%:	0.0%	100.0%	100.0%
	4 Non-binary/non-conforming	#:	1	4	5
		%:	20.0%	80.0%	100.0%
	5 Decline to state	#:	0	7	7
		%:	0.0%	100.0%	100.0%
6 Other	#:	0	1	1	
	%:	0.0%	100.0%	100.0%	
Total	#:	17	327	344	
	%:	4.9%	95.1%	100.0%	

Q18 Please identify your gender: * Q9_2 How easy or difficult was it to accomplish the following in your online courses? - Locating the Zoom or teleconference link for remote course offerings Crosstabulation

			Q9_2 How easy or difficult was it to accomplish the following in your online courses? - Locating the Zoom or teleconference link for remote course offerings		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q18 Please identify your gender:	1 Female	#:	14	169	183
		%:	7.7%	92.3%	100.0%
	2 Male	#:	6	46	52
		%:	11.5%	88.5%	100.0%
	4 Non-binary/non-conforming	#:	0	3	3
		%:	0.0%	100.0%	100.0%
	5 Decline to state	#:	0	4	4
		%:	0.0%	100.0%	100.0%
	6 Other	#:	0	1	1
		%:	0.0%	100.0%	100.0%
Total		#:	20	223	243
		%:	8.2%	91.8%	100.0%

Q18 Please identify your gender: * Q9_3 How easy or difficult was it to accomplish the following in your online courses? - Locating the Zoom, teleconference, or chat link for synchronous office hours Crosstabulation

			Q9_3 How easy or difficult was it to accomplish the following in your online courses? - Locating the Zoom, teleconference, or chat link for synchronous office hours		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q18 Please identify your gender:	1 Female	#:	14	177	191
		%:	7.3%	92.7%	100.0%
	2 Male	#:	4	50	54
		%:	7.4%	92.6%	100.0%
	4 Non-binary/non-conforming	#:	1	3	4
		%:	25.0%	75.0%	100.0%
	5 Decline to state	#:	0	4	4
		%:	0.0%	100.0%	100.0%
6 Other	#:	0	1	1	
	%:	0.0%	100.0%	100.0%	
Total	#:	19	235	254	
	%:	7.5%	92.5%	100.0%	

Q18 Please identify your gender: * Q9_4 How easy or difficult was it to accomplish the following in your online courses? - Locating course content in Canvas Crosstabulation

			Q9_4 How easy or difficult was it to accomplish the following in your online courses? - Locating course content in Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q18 Please identify your gender:	1 Female	#:	16	245	261
		%:	6.1%	93.9%	100.0%
	2 Male	#:	0	70	70
		%:	0.0%	100.0%	100.0%
	3 Transgender	#:	0	1	1
		%:	0.0%	100.0%	100.0%
	4 Non-binary/non-conforming	#:	1	4	5
		%:	20.0%	80.0%	100.0%
	5 Decline to state	#:	1	6	7
		%:	14.3%	85.7%	100.0%
	6 Other	#:	0	1	1
		%:	0.0%	100.0%	100.0%
Total		#:	18	327	345
		%:	5.2%	94.8%	100.0%

Q18 Please identify your gender: * Q9_5 How easy or difficult was it to accomplish the following in your online courses? - Following the flow of content in Canvas modules Crosstabulation

			Q9_5 How easy or difficult was it to accomplish the following in your online courses? - Following the flow of content in Canvas modules		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q18 Please identify your gender:	1 Female	#:	23	237	260
		%:	8.8%	91.2%	100.0%
	2 Male	#:	5	65	70
		%:	7.1%	92.9%	100.0%
	3 Transgender	#:	0	1	1
		%:	0.0%	100.0%	100.0%
	4 Non-binary/non-conforming	#:	1	4	5
		%:	20.0%	80.0%	100.0%
	5 Decline to state	#:	1	6	7
		%:	14.3%	85.7%	100.0%
	6 Other	#:	0	1	1
		%:	0.0%	100.0%	100.0%
Total		#:	30	314	344
		%:	8.7%	91.3%	100.0%

Q18 Please identify your gender: * Q9_6 How easy or difficult was it to accomplish the following in your online courses? - Locating assignments in Canvas Crosstabulation

			Q9_6 How easy or difficult was it to accomplish the following in your online courses? - Locating assignments in Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q18 Please identify your gender:	1 Female	#:	11	248	259
		%:	4.2%	95.8%	100.0%
	2 Male	#:	2	67	69
		%:	2.9%	97.1%	100.0%
	3 Transgender	#:	0	1	1
		%:	0.0%	100.0%	100.0%
	4 Non-binary/non-conforming	#:	2	3	5
		%:	40.0%	60.0%	100.0%
	5 Decline to state	#:	0	7	7
		%:	0.0%	100.0%	100.0%
6 Other	#:	0	1	1	
	%:	0.0%	100.0%	100.0%	
Total	#:	15	327	342	
	%:	4.4%	95.6%	100.0%	

Q18 Please identify your gender: * Q9_7 How easy or difficult was it to accomplish the following in your online courses? - Contacting your instructor via Canvas Crosstabulation

			Q9_7 How easy or difficult was it to accomplish the following in your online courses? - Contacting your instructor via Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q18 Please identify your gender:	1 Female	#:	22	232	254
		%:	8.7%	91.3%	100.0%
	2 Male	#:	7	61	68
		%:	10.3%	89.7%	100.0%
	3 Transgender	#:	0	1	1
		%:	0.0%	100.0%	100.0%
	4 Non-binary/non-conforming	#:	2	3	5
		%:	40.0%	60.0%	100.0%
	5 Decline to state	#:	0	5	5
		%:	0.0%	100.0%	100.0%
	6 Other	#:	0	1	1
		%:	0.0%	100.0%	100.0%
Total		#:	31	303	334
		%:	9.3%	90.7%	100.0%

Q18 Please identify your gender: * Q9_8 How easy or difficult was it to accomplish the following in your online courses? - Locating your instructor's feedback on assignments via Canvas Crosstabulation

			Q9_8 How easy or difficult was it to accomplish the following in your online courses? - Locating your instructor's feedback on assignments via Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q18 Please identify your gender:	1 Female	#:	20	239	259
		%:	7.7%	92.3%	100.0%
	2 Male	#:	5	65	70
		%:	7.1%	92.9%	100.0%
	3 Transgender	#:	0	1	1
		%:	0.0%	100.0%	100.0%
	4 Non-binary/non-conforming	#:	1	4	5
		%:	20.0%	80.0%	100.0%
	5 Decline to state	#:	2	5	7
		%:	28.6%	71.4%	100.0%
6 Other	#:	0	1	1	
	%:	0.0%	100.0%	100.0%	
Total	#:	28	315	343	
	%:	8.2%	91.8%	100.0%	

Q18 Please identify your gender: * Q9_9 How easy or difficult was it to accomplish the following in your online courses? - Locating instructor's announcements in Canvas Crosstabulation

			Q9_9 How easy or difficult was it to accomplish the following in your online courses? - Locating instructor's announcements in Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q18 Please identify your gender:	1 Female	#:	11	249	260
		%:	4.2%	95.8%	100.0%
	2 Male	#:	2	68	70
		%:	2.9%	97.1%	100.0%
	3 Transgender	#:	0	1	1
		%:	0.0%	100.0%	100.0%
	4 Non-binary/non-conforming	#:	1	4	5
		%:	20.0%	80.0%	100.0%
	5 Decline to state	#:	0	7	7
		%:	0.0%	100.0%	100.0%
	6 Other	#:	0	1	1
		%:	0.0%	100.0%	100.0%
Total		#:	14	330	344
		%:	4.1%	95.9%	100.0%

Q18 Please identify your gender: * Q9_10 How easy or difficult was it to accomplish the following in your online courses? - Locating student services links in Canvas Crosstabulation

			Q9_10 How easy or difficult was it to accomplish the following in your online courses? - Locating student services links in Canvas		Total
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	
Q18 Please identify your gender:	1 Female	#:	18	228	246
		%:	7.3%	92.7%	100.0%
	2 Male	#:	5	53	58
		%:	8.6%	91.4%	100.0%
	3 Transgender	#:	0	1	1
		%:	0.0%	100.0%	100.0%
	4 Non-binary/non-conforming	#:	2	3	5
		%:	40.0%	60.0%	100.0%
	5 Decline to state	#:	2	5	7
		%:	28.6%	71.4%	100.0%
	6 Other	#:	0	1	1
		%:	0.0%	100.0%	100.0%
Total		#:	27	291	318
		%:	8.5%	91.5%	100.0%

Q18 Please identify your gender: * Q9_11 How easy or difficult was it to accomplish the following in your online courses? - Locating tech help links in Canvas Crosstabulation

			Q9_11 How easy or difficult was it to accomplish the following in your online courses? - Locating tech help links in Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q18 Please identify your gender:	1 Female	#:	28	187	215
		%:	13.0%	87.0%	100.0%
	2 Male	#:	5	46	51
		%:	9.8%	90.2%	100.0%
	3 Transgender	#:	1	0	1
		%:	100.0%	0.0%	100.0%
	4 Non-binary/non-conforming	#:	2	3	5
		%:	40.0%	60.0%	100.0%
	5 Decline to state	#:	2	3	5
		%:	40.0%	60.0%	100.0%
	6 Other	#:	0	1	1
		%:	0.0%	100.0%	100.0%
Total		#:	38	240	278
		%:	13.7%	86.3%	100.0%

Age

The following identifies where there was disproportionate impact when disaggregating navigating Canvas by age. In order for DI to occur the difference when compared to the overall percentage of navigating being easy needed to be statistically significant ($p < .05$) and substantial ($ES \geq .10$). If the difference had an effect size equal to or greater than .10 it is highlighted in yellow as a possible area of concern.

Findings: **There was no disproportionate impact by age**; however, there were possibly areas of concern with substantial effect sizes .10 or higher. Specifically, it appears that students 36-40 years old may struggle more with locating information in Canvas.

The differences illustrated below may be areas of concern.

- Q9_1: Locating the Syllabus – 89% of students **36-40 years old** found locating the syllabus easy compared to 95% overall.
- Q9_2: Locating Zoom link for Remote Classes – 85% of 25-30 year olds and 83% of **36-40 year olds** found locating a zoom link easy compared to 92% overall.
- Q9_3: Locating Zoom link for Synchronous Office Hours – 79% of students **36-40 years old** found locating the zoom link for office hours easy compared to 93% overall.
- Q9_4: Locating course Content in Canvas – 89% of students **36-40 years old** found locating course content easy compared to 95% overall.
- Q9_5: Following the Flow of Content in Canvas Modules – 89% of students 18-24 years old found it easy to follow the flow of content in Canvas modules compared to 91% overall.
- Q9_6: Locating Assignments in Canvas – 89% of students **36-40 years old** found it easy to locate assignments in Canvas compared to 96% overall.
- Q9_7: Contacting Instructor Via Canvas – No areas of concern identified by age.
- Q9_8: Locating Instructor's Feedback on Assignments – 89% of students 31-35 years old and 89% of students **36-40 years** old found it easy to find feedback on their assignments in Canvas compared to 92% overall.
- Q9_9: Locating Instructor's Announcements in Canvas – No areas of concern identified.
- Q9_10: Locating Student Services Links – 89% of students **36-40 years old** found it easy to locate student services links in Canvas compared to 92% overall.
- Q9_11: Locating tech help links in Canvas – 83% of students 18-24 years old and 89% of students **36-40 years old** found it easy to locate technology help in Canvas compared to 86% overall.

Q20 My age is in the following range: * Q9_1 How easy or difficult was it to accomplish the following in your online courses? - Locating your syllabus in Canvas Crosstabulation

			Q9_1 How easy or difficult was it to accomplish the following in your online courses? - Locating your syllabus in Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q20 My age is in the following range:	1 18-24	#:	11	159	170
		%:	6.5%	93.5%	100.0%
	2 25-30	#:	1	45	46
		%:	2.2%	97.8%	100.0%
	3 31-35	#:	2	34	36
		%:	5.6%	94.4%	100.0%
	4 36-40	#:	2	16	18
		%:	11.1%	88.9%	100.0%
	5 41-50	#:	1	40	41
		%:	2.4%	97.6%	100.0%
	6 Younger than 18	#:	0	17	17
		%:	0.0%	100.0%	100.0%
	7 51+	#:	0	14	14
		%:	0.0%	100.0%	100.0%
Total	#:	17	325	342	
	%:	5.0%	95.0%	100.0%	

Q20 My age is in the following range: * Q9_2 How easy or difficult was it to accomplish the following in your online courses? - Locating the Zoom or teleconference link for remote course offerings
Crosstabulation

			Q9_2 How easy or difficult was it to accomplish the following in your online courses? - Locating the Zoom or teleconference link for remote course offerings		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q20 My age is in the following range:	1 18-24	#:	10	105	115
		%:	8.7%	91.3%	100.0%
	2 25-30	#:	6	34	40
		%:	15.0%	85.0%	100.0%
	3 31-35	#:	1	26	27
		%:	3.7%	96.3%	100.0%
	4 36-40	#:	2	10	12
		%:	16.7%	83.3%	100.0%
	5 41-50	#:	1	28	29
		%:	3.4%	96.6%	100.0%
	6 Younger than 18	#:	0	9	9
		%:	0.0%	100.0%	100.0%
	7 51+	#:	0	10	10
		%:	0.0%	100.0%	100.0%
Total	#:		20	222	242
	%:		8.3%	91.7%	100.0%

Q20 My age is in the following range: * Q9_3 How easy or difficult was it to accomplish the following in your online courses? - Locating the Zoom, teleconference, or chat link for synchronous office hours
Crosstabulation

			Q9_3 How easy or difficult was it to accomplish the following in your online courses? - Locating the Zoom, teleconference, or chat link for synchronous office hours		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q20 My age is in the following range:	1 18-24	#:	11	107	118
		%:	9.3%	90.7%	100.0%
	2 25-30	#:	3	38	41
		%:	7.3%	92.7%	100.0%
	3 31-35	#:	1	27	28
		%:	3.6%	96.4%	100.0%
	4 36-40	#:	3	11	14
		%:	21.4%	78.6%	100.0%
	5 41-50	#:	1	31	32
		%:	3.1%	96.9%	100.0%
	6 Younger than 18	#:	0	9	9
		%:	0.0%	100.0%	100.0%
	7 51+	#:	0	10	10
		%:	0.0%	100.0%	100.0%
Total	#:		19	233	252
	%:		7.5%	92.5%	100.0%

Q20 My age is in the following range: * Q9_4 How easy or difficult was it to accomplish the following in your online courses? - Locating course content in Canvas Crosstabulation

			Q9_4 How easy or difficult was it to accomplish the following in your online courses? - Locating course content in Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q20 My age is in the following range:	1 18-24	#:	11	159	170
		%:	6.5%	93.5%	100.0%
	2 25-30	#:	2	44	46
		%:	4.3%	95.7%	100.0%
	3 31-35	#:	0	36	36
		%:	0.0%	100.0%	100.0%
	4 36-40	#:	2	16	18
		%:	11.1%	88.9%	100.0%
	5 41-50	#:	2	40	42
		%:	4.8%	95.2%	100.0%
	6 Younger than 18	#:	0	17	17
		%:	0.0%	100.0%	100.0%
	7 51+	#:	0	14	14
		%:	0.0%	100.0%	100.0%
Total	#:	17	326	343	
	%:	5.0%	95.0%	100.0%	

Q20 My age is in the following range: * Q9_5 How easy or difficult was it to accomplish the following in your online courses? - Following the flow of content in Canvas modules Crosstabulation

			Q9_5 How easy or difficult was it to accomplish the following in your online courses? - Following the flow of content in Canvas modules		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q20 My age is in the following range:	1 18-24	#:	20	149	169
		%:	11.8%	88.2%	100.0%
	2 25-30	#:	3	43	46
		%:	6.5%	93.5%	100.0%
	3 31-35	#:	1	35	36
		%:	2.8%	97.2%	100.0%
	4 36-40	#:	2	16	18
		%:	11.1%	88.9%	100.0%
	5 41-50	#:	2	40	42
		%:	4.8%	95.2%	100.0%
6 Younger than 18	#:	1	16	17	
	%:	5.9%	94.1%	100.0%	
7 51+	#:	0	14	14	
	%:	0.0%	100.0%	100.0%	
Total	#:	29	313	342	
	%:	8.5%	91.5%	100.0%	

Q20 My age is in the following range: * Q9_6 How easy or difficult was it to accomplish the following in your online courses? - Locating assignments in Canvas Crosstabulation

			Q9_6 How easy or difficult was it to accomplish the following in your online courses? - Locating assignments in Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q20 My age is in the following range:	1 18-24	#:	8	161	169
		%:	4.7%	95.3%	100.0%
	2 25-30	#:	3	43	46
		%:	6.5%	93.5%	100.0%
	3 31-35	#:	1	34	35
		%:	2.9%	97.1%	100.0%
	4 36-40	#:	2	16	18
		%:	11.1%	88.9%	100.0%
	5 41-50	#:	1	40	41
		%:	2.4%	97.6%	100.0%
	6 Younger than 18	#:	0	17	17
		%:	0.0%	100.0%	100.0%
	7 51+	#:	0	14	14
		%:	0.0%	100.0%	100.0%
Total	#:	15	325	340	
	%:	4.4%	95.6%	100.0%	

Q20 My age is in the following range: * Q9_7 How easy or difficult was it to accomplish the following in your online courses? - Contacting your instructor via Canvas Crosstabulation

			Q9_7 How easy or difficult was it to accomplish the following in your online courses? - Contacting your instructor via Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q20 My age is in the following range:	1 18-24	#:	20	143	163
		%:	12.3%	87.7%	100.0%
	2 25-30	#:	1	44	45
		%:	2.2%	97.8%	100.0%
	3 31-35	#:	2	34	36
		%:	5.6%	94.4%	100.0%
	4 36-40	#:	2	15	17
		%:	11.8%	88.2%	100.0%
	5 41-50	#:	4	37	41
		%:	9.8%	90.2%	100.0%
	6 Younger than 18	#:	1	15	16
		%:	6.3%	93.8%	100.0%
	7 51+	#:	1	13	14
		%:	7.1%	92.9%	100.0%
Total	#:	31	301	332	
	%:	9.3%	90.7%	100.0%	

Q20 My age is in the following range: * Q9_8 How easy or difficult was it to accomplish the following in your online courses? - Locating your instructor's feedback on assignments via Canvas Crosstabulation

			Q9_8 How easy or difficult was it to accomplish the following in your online courses? - Locating your instructor's feedback on assignments via Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q20 My age is in the following range:	1 18-24	#:	15	153	168
		%:	8.9%	91.1%	100.0%
	2 25-30	#:	3	43	46
		%:	6.5%	93.5%	100.0%
	3 31-35	#:	4	32	36
		%:	11.1%	88.9%	100.0%
	4 36-40	#:	2	16	18
		%:	11.1%	88.9%	100.0%
	5 41-50	#:	2	40	42
		%:	4.8%	95.2%	100.0%
	6 Younger than 18	#:	1	16	17
		%:	5.9%	94.1%	100.0%
	7 51+	#:	0	14	14
		%:	0.0%	100.0%	100.0%
Total	#:	27	314	341	
	%:	7.9%	92.1%	100.0%	

Q20 My age is in the following range: * Q9_9 How easy or difficult was it to accomplish the following in your online courses? - Locating instructor's announcements in Canvas Crosstabulation

			Q9_9 How easy or difficult was it to accomplish the following in your online courses? - Locating instructor's announcements in Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q20 My age is in the following range:	1 18-24	#:	10	159	169
		%:	5.9%	94.1%	100.0%
	2 25-30	#:	2	44	46
		%:	4.3%	95.7%	100.0%
	3 31-35	#:	1	35	36
		%:	2.8%	97.2%	100.0%
	4 36-40	#:	1	17	18
		%:	5.6%	94.4%	100.0%
	5 41-50	#:	0	42	42
		%:	0.0%	100.0%	100.0%
	6 Younger than 18	#:	0	17	17
		%:	0.0%	100.0%	100.0%
	7 51+	#:	0	14	14
		%:	0.0%	100.0%	100.0%
Total	#:	14	328	342	
	%:	4.1%	95.9%	100.0%	

Q20 My age is in the following range: * Q9_10 How easy or difficult was it to accomplish the following in your online courses? - Locating student services links in Canvas Crosstabulation

			Q9_10 How easy or difficult was it to accomplish the following in your online courses? - Locating student services links in Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q20 My age is in the following range:	1 18-24	#:	16	137	153
		%:	10.5%	89.5%	100.0%
	2 25-30	#:	4	42	46
		%:	8.7%	91.3%	100.0%
	3 31-35	#:	2	34	36
		%:	5.6%	94.4%	100.0%
	4 36-40	#:	2	14	16
		%:	12.5%	87.5%	100.0%
	5 41-50	#:	1	34	35
		%:	2.9%	97.1%	100.0%
	6 Younger than 18	#:	1	15	16
		%:	6.3%	93.8%	100.0%
	7 51+	#:	0	14	14
		%:	0.0%	100.0%	100.0%
Total	#:	26	290	316	
	%:	8.2%	91.8%	100.0%	

Q20 My age is in the following range: * Q9_11 How easy or difficult was it to accomplish the following in your online courses? - Locating tech help links in Canvas Crosstabulation

			Q9_11 How easy or difficult was it to accomplish the following in your online courses? - Locating tech help links in Canvas		
			0 Somewhat or Very Difficult	1 Somewhat or Very Easy	Total
Q20 My age is in the following range:	1 18-24	#:	23	113	136
		%:	16.9%	83.1%	100.0%
	2 25-30	#:	3	39	42
		%:	7.1%	92.9%	100.0%
	3 31-35	#:	5	28	33
		%:	15.2%	84.8%	100.0%
	4 36-40	#:	3	10	13
		%:	23.1%	76.9%	100.0%
	5 41-50	#:	2	24	26
		%:	7.7%	92.3%	100.0%
	6 Younger than 18	#:	1	12	13
		%:	7.7%	92.3%	100.0%
	7 51+	#:	0	13	13
		%:	0.0%	100.0%	100.0%
Total		#:	37	239	276
		%:	13.4%	86.6%	100.0%

