

## General Education Learning Outcomes Assessment

### Analysis of Assessment Results among Student Subpopulations, Based on Data Collected Fall 2021 within the Math and Sciences Division

Demographics among Students Assessed for General Education Learning Outcomes within the Math and Sciences Division, Fall 2021 (N = 772)		
	Number	Proportion
<b>Gender</b>		
Female	430	56%
Male	338	44%
Unknown*	4	1%
* Not included in analysis		
<b>Race/Ethnicity</b>		
African American/Black	32	4%
Asian	28	4%
Filipino	91	12%
Latinx/Hispanic	383	50%
Two or More Races	67	9%
White	161	21%
Unknown	10	1%
<b>First Generation</b>		
Yes	178	23%
No	313	41%
Unknown	281	36%
<b>Economically Disadvantaged</b>		
Yes	205	27%
No	567	73%
<b>Disability on Record</b>		
Yes	31	4%
No	741	96%

Foster Youth, veterans, and LGBT affiliation are not reported due to low N (< 10) of those groups among students who were assessed within the Math and Sciences Division in fall 2021.

Assessment Scores by Student Subpopulation within the Math and Sciences Division, Fall 2021			
	Proportion of Student Subpopulation		
	Below Expectations	Met Expectations	Exceeded Expectations ("Strong")
Gender			
Female	28%	39%	33%
Male	24%	38%	37%
Race/Ethnicity			
African American/Black	31%	38%	31%
Asian	21%	36%	43%
Filipino	23%	36%	41%
Latinx/Hispanic	33%	38%	29%
Two or More Races	21%	48%	31%
White	15%	39%	47%
Unknown	20%	30%	50%
First Generation			
Yes	32%	42%	26%
No	22%	36%	42%
Unknown	27%	39%	34%
Economically Disadvantaged			
Yes	26%	39%	35%
No	26%	38%	35%
Disability on Record			
Yes	19%	48%	32%
No	27%	38%	35%

Yellow highlights denote cases flagged for disproportionate impact.

## Detailed Findings from Disproportionate Impact Calculator

**Percentage Point Gap Index (PPG):** When the between the focal cohort's outcome is at least 2% lower than the average of all other groups and the gap is also larger than the margin of error (MOE), DI is indicated and cells are highlighted in pink.

**80% Index:** Values less or equal to 80% are considered to reflect disproportionate impact (i.e., pink highlighted cells).

**Proportionality Index (PI):** Values less than or equal to 0.80 are generally considered to reflect disproportionate impact (i.e., pink highlighted cells).

### “Strong” by Race/Ethnicity:

Cohort Name	Cohort Count	Outcome Count	Percent (Cohort)	Percent (Outcome)	Outcome Rate (OR)	Percentage Point Gap (PPG)	MOE	Proportionality Index (PI)	80% Rule	Minimum Equity	Full Equity Number
1 AfrAmn	32	10	4.15	3.68	31.25	-4.16	-16.06	0.887	62.50	N/A	N/A
2 Asian	28	12	3.63	4.41	42.86	7.91	-18.33	1.216	85.71	N/A	N/A
3 Filip	91	37	11.79	13.60	40.66	6.15	-10.09	1.154	81.32	N/A	N/A
4 Latx	383	112	49.61	41.18	29.24	-11.89	-4.56	0.830	58.49	29	46
5 2+	67	21	8.68	7.72	31.34	-4.26	-11.11	0.890	62.69	N/A	N/A
6 White	161	75	20.85	27.57	46.58	14.34	-7.71	1.322	93.17	N/A	N/A
7 unk	10	5	1.30	1.84	50.00	14.96	-30.99	1.419	100.00	N/A	N/A
<b>Total</b>	<b>772</b>	<b>272</b>	<b>100</b>	<b>100</b>	<b>35.23</b>			<b>1.00</b>			

Overall OR (Includes Comparison Group)  
35.23

Reference Group OR (Highest OR)  
50.00

### Meets Expectations (Includes Strong) by Race/Ethnicity:

Cohort Name	Cohort Count	Outcome Count	Percent (Cohort)	Percent (Outcome)	Outcome Rate (OR)	Percentage Point Gap (PPG)	MOE	Proportionality Index (PI)	80% Rule	Minimum Equity	Full Equity Number
1 AfrAmn	32	22	4.15	3.87	68.75	-5.17	-16.06	0.933	80.79	N/A	N/A
2 Asian	28	22	3.63	3.87	78.57	5.05	-15.20	1.066	92.34	N/A	N/A
3 Filip	91	70	11.79	12.30	76.92	3.65	-8.66	1.044	90.40	N/A	N/A
4 Latx	383	257	49.61	45.17	67.10	-13.10	-4.71	0.910	78.86	33	51
5 2+	67	53	8.68	9.31	79.10	5.91	-9.74	1.073	92.96	N/A	N/A
6 White	161	137	20.85	24.08	85.09	14.39	-5.50	1.155	100.00	N/A	N/A
7 unk	10	8	1.30	1.41	80.00	6.38	-24.79	1.085	94.01	N/A	N/A
<b>Total</b>	<b>772</b>	<b>569</b>	<b>100</b>	<b>100</b>	<b>73.70</b>			<b>1.00</b>			

Overall OR (Includes Comparison Group)  
73.70

Reference Group OR (Highest OR)  
85.09

### “Strong” by First Generation Status:

Cohort Name	Cohort Count	Outcome Count	Percent (Cohort)	Percent (Outcome)	Outcome Rate (OR)	Percentage Point Gap (PPG)	MOE	Proportionality Index (PI)	80% Rule	Minimum Equity	Full Equity Number
1 FG	178	46	23.06	16.91	25.84	-12.20	-6.43	0.733	61.75	11	22
2 notFG	313	131	40.54	48.16	41.85	11.13	-5.47	1.188	100.00	N/A	N/A
3 unk	281	95	36.40	34.93	33.81	-2.24	-5.53	0.960	80.78	N/A	N/A
<b>Total</b>	<b>772</b>	<b>272</b>	<b>100</b>	<b>100</b>	<b>35.23</b>			<b>1.00</b>			

Overall OR (Includes Comparison Group)  
35.23

Reference Group OR (Highest OR)  
41.85

### Meets Expectations (Includes Strong) by First Generation Status:

Cohort Name	Cohort Count	Outcome Count	Percent (Cohort)	Percent (Outcome)	Outcome Rate (OR)	Percentage Point Gap (PPG)	MOE	Proportionality Index (PI)	80% Rule	Minimum Equity	Full Equity Number
1 FG	178	121	23.06	21.27	67.98	-7.44	-6.85	0.922	87.20	2	14
2 notFG	313	244	40.54	42.88	77.96	7.15	-4.59	1.058	100.00	N/A	N/A
3 unk	281	204	36.40	35.85	72.60	-1.74	-5.22	0.985	93.13	N/A	N/A
<b>Total</b>	<b>772</b>	<b>569</b>	<b>100</b>	<b>100</b>	<b>73.70</b>			<b>1.00</b>			

Overall OR (Includes Comparison Group)  
73.70

Reference Group OR (Highest OR)  
77.96

Meets Expectations (Includes Strong) by Disability on Record:

Cohort Name	Cohort Count	Outcome Count	Percent (Cohort)	Percent (Outcome)	Outcome Rate (OR)	Percentage Point Gap (PPG)	MOE	Proportionality Index (PI)	80% Rule	Minimum Equity	Full Equity Number
1 dsps	31	25	4.02	4.39	80.65	7.23	-13.91	1.094	100.00	N/A	N/A
2 not	741	544	95.98	95.61	73.41	-7.23	-3.18	0.996	91.03	31	54
<b>Total</b>	772	569	100	100	73.70			1.00			

Overall OR (Includes Comparison Group)

73.70

Reference Group OR (Highest OR)

80.65