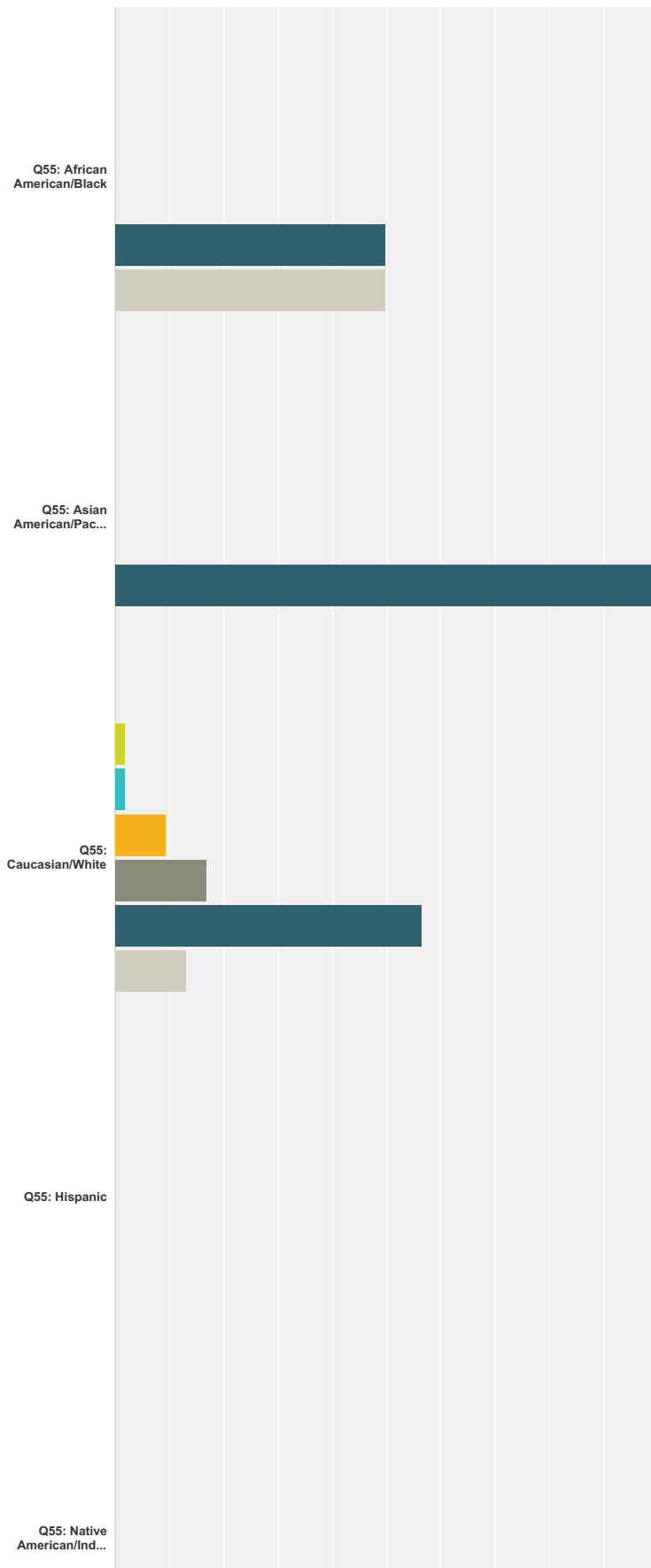


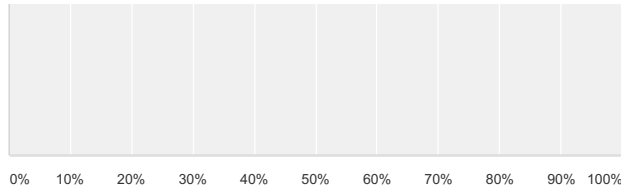
# Maryland High School Computer Science Survey (2014)

## Q1 How many students attend your school?

Answered: 66 Skipped: 0



# Maryland High School Computer Science Survey (2014)

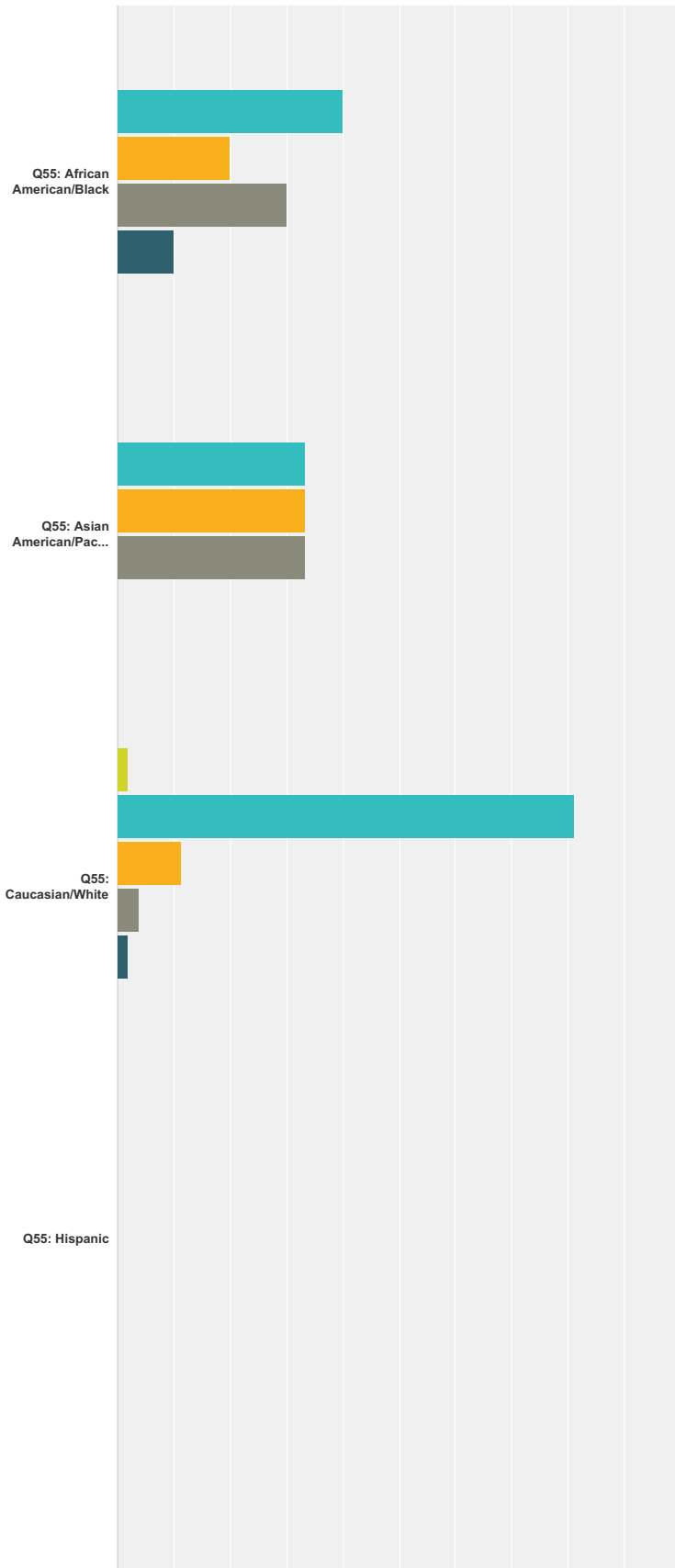


■ 1-100   
 ■ 101-250   
 ■ 251-500   
 ■ 501-1000   
 ■ 1001-2000   
 ■ 2001+

	1-100	101-250	251-500	501-1000	1001-2000	2001+	Total
Q55: African American/Black	0.00% 0	0.00% 0	0.00% 0	0.00% 0	50.00% 5	50.00% 5	10
Q55: Asian American/Pacific Islander	0.00% 0	0.00% 0	0.00% 0	0.00% 0	100.00% 3	0.00% 0	3
Q55: Caucasian/White	1.89% 1	1.89% 1	9.43% 5	16.98% 9	56.60% 30	13.21% 7	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	1	1	5	9	38	12	66

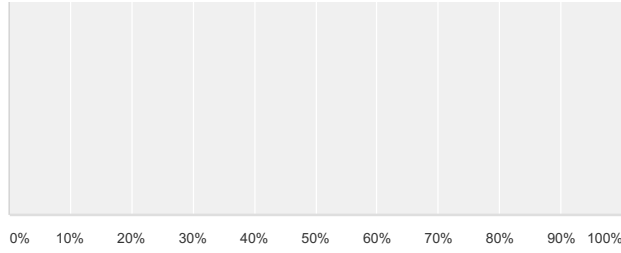
**Q2 What percentage of students at your school speak a language at home other than English?**

Answered: 66 Skipped: 0



# Maryland High School Computer Science Survey (2014)

Q55: Native American/Ind...

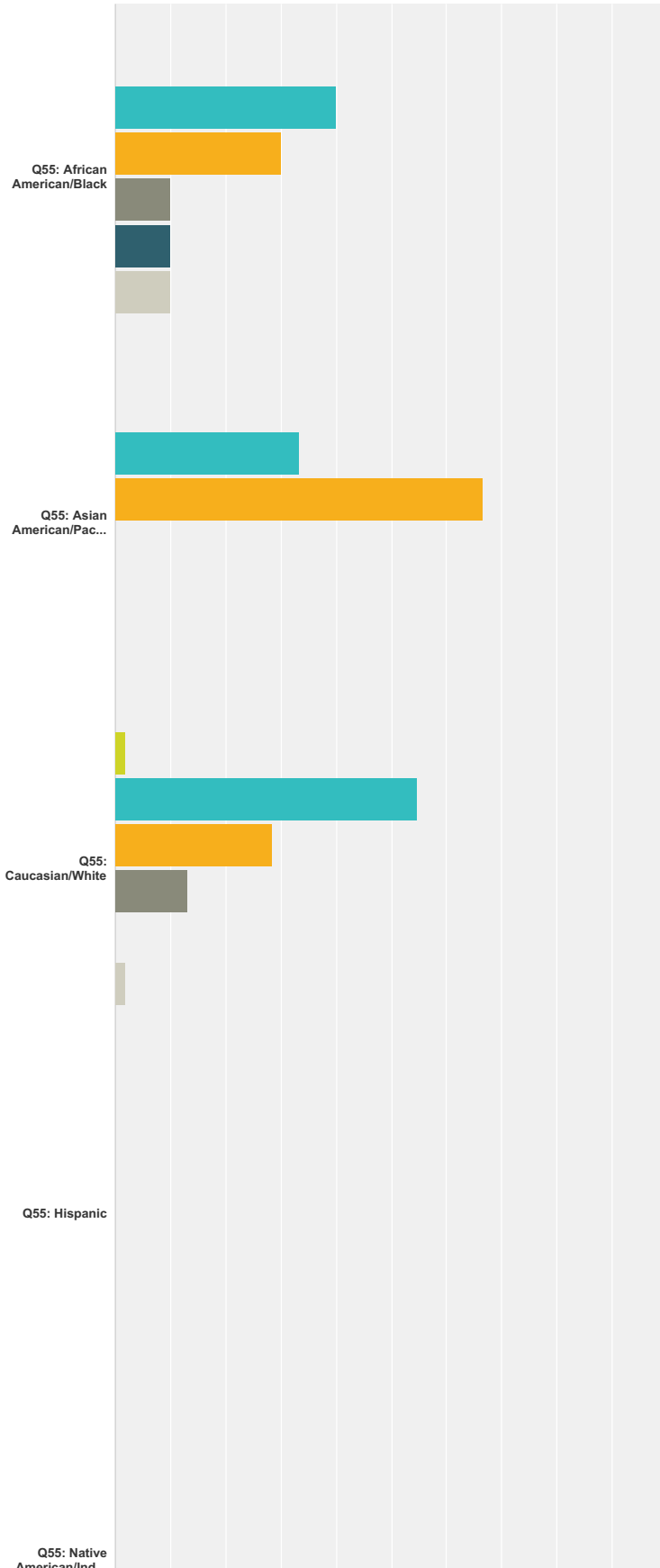


0% 1-20% 21-40% 41-60% 61-80% 81-100%

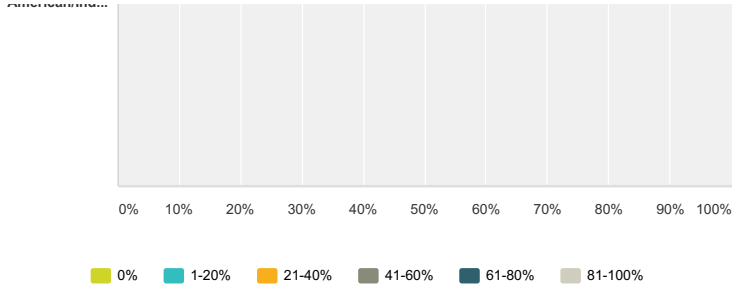
	0%	1-20%	21-40%	41-60%	61-80%	81-100%	Total
Q55: African American/Black	0.00% 0	40.00% 4	20.00% 2	30.00% 3	10.00% 1	0.00% 0	10
Q55: Asian American/Pacific Islander	0.00% 0	33.33% 1	33.33% 1	33.33% 1	0.00% 0	0.00% 0	3
Q55: Caucasian/White	1.89% 1	81.13% 43	11.32% 6	3.77% 2	1.89% 1	0.00% 0	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	1	48	9	6	2	0	66

**Q3 What percentage of students at your school are African American?**

Answered: 66 Skipped: 0



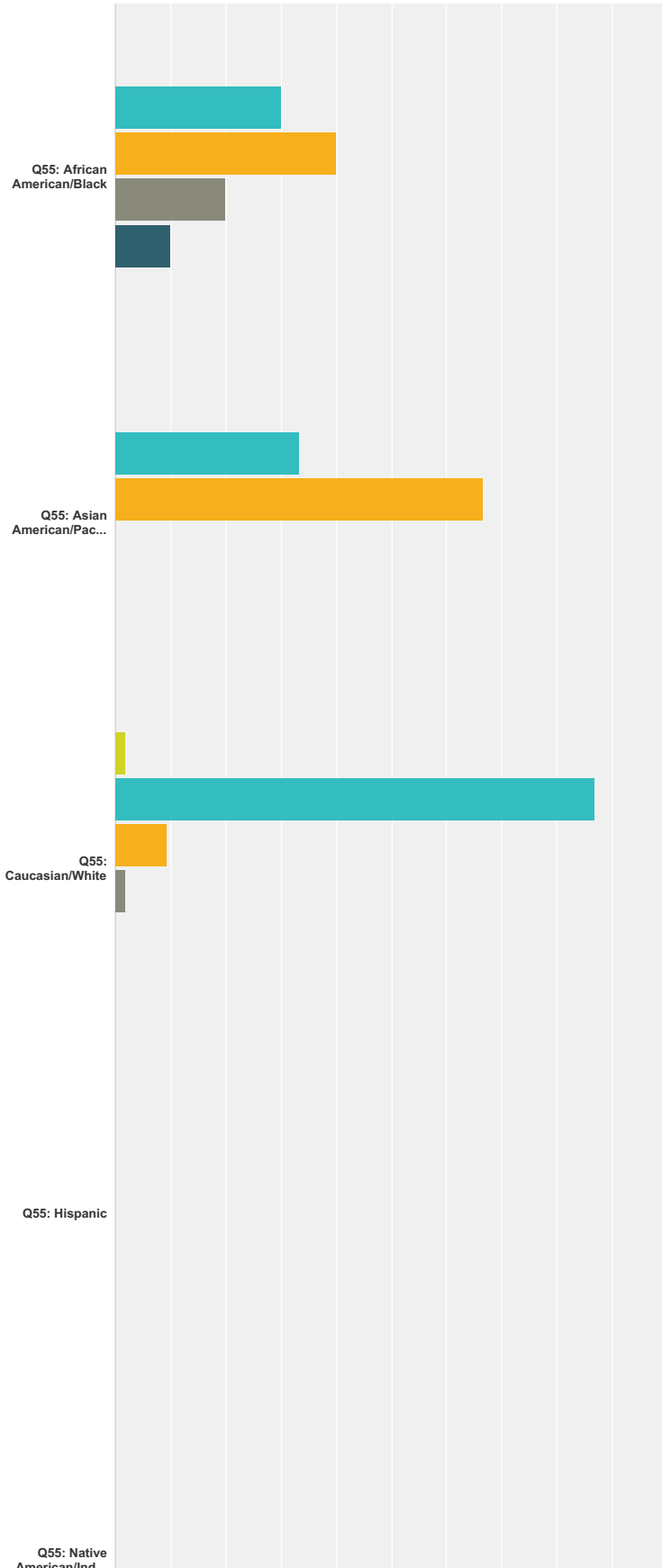
# Maryland High School Computer Science Survey (2014)



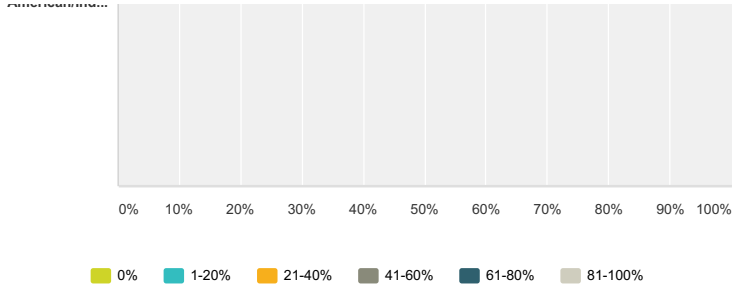
	0%	1-20%	21-40%	41-60%	61-80%	81-100%	Total
Q55: African American/Black	0.00% 0	40.00% 4	30.00% 3	10.00% 1	10.00% 1	10.00% 1	10
Q55: Asian American/Pacific Islander	0.00% 0	33.33% 1	66.67% 2	0.00% 0	0.00% 0	0.00% 0	3
Q55: Caucasian/White	1.89% 1	54.72% 29	28.30% 15	13.21% 7	0.00% 0	1.89% 1	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	1	34	20	8	1	2	66

**Q4 What percentage of students at your school are Hispanic/Latino?**

Answered: 66 Skipped: 0



# Maryland High School Computer Science Survey (2014)

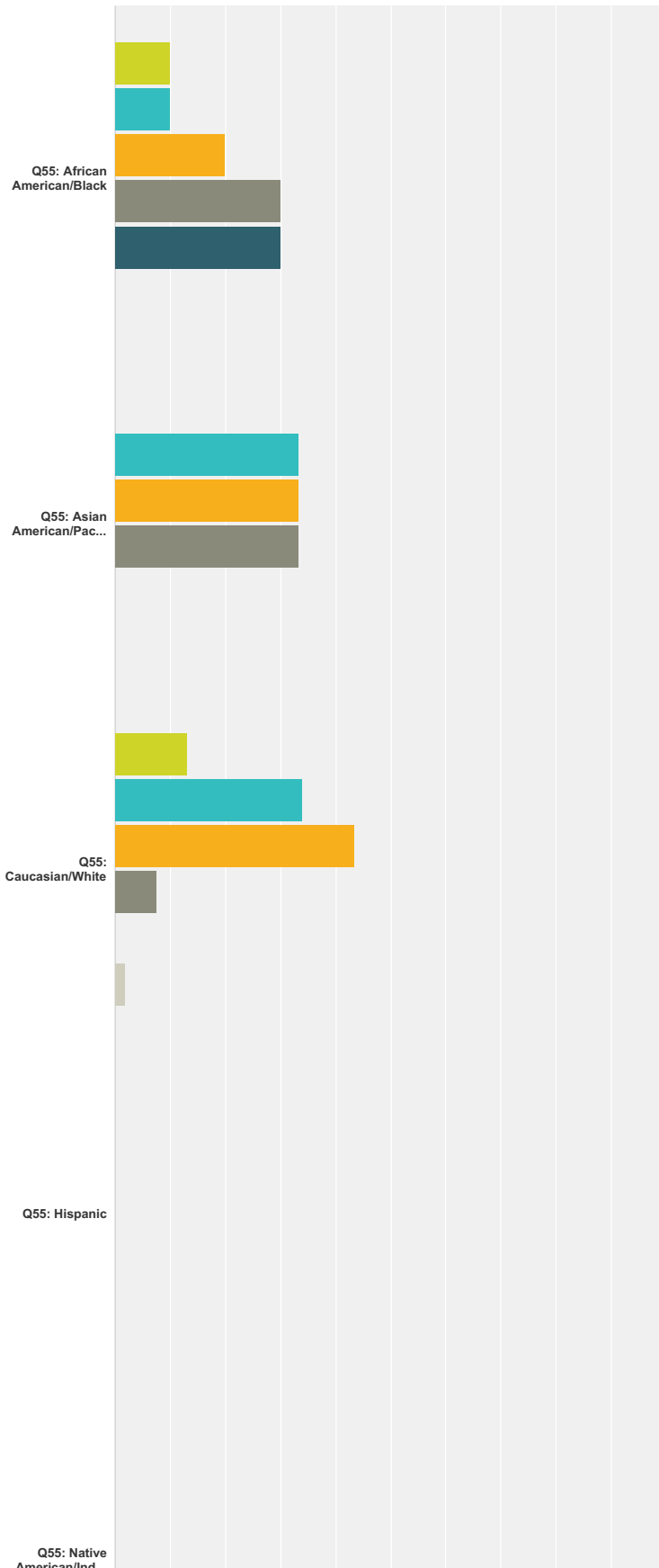


	0%	1-20%	21-40%	41-60%	61-80%	81-100%	Total
Q55: African American/Black	0.00% 0	30.00% 3	40.00% 4	20.00% 2	10.00% 1	0.00% 0	10
Q55: Asian American/Pacific Islander	0.00% 0	33.33% 1	66.67% 2	0.00% 0	0.00% 0	0.00% 0	3
Q55: Caucasian/White	1.89% 1	86.79% 46	9.43% 5	1.89% 1	0.00% 0	0.00% 0	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	1	50	11	3	1	0	66

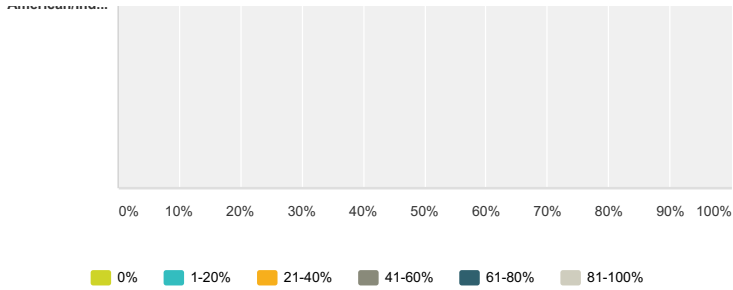


**Q5 What percentage of students qualify for free or reduced lunch?**

Answered: 66 Skipped: 0



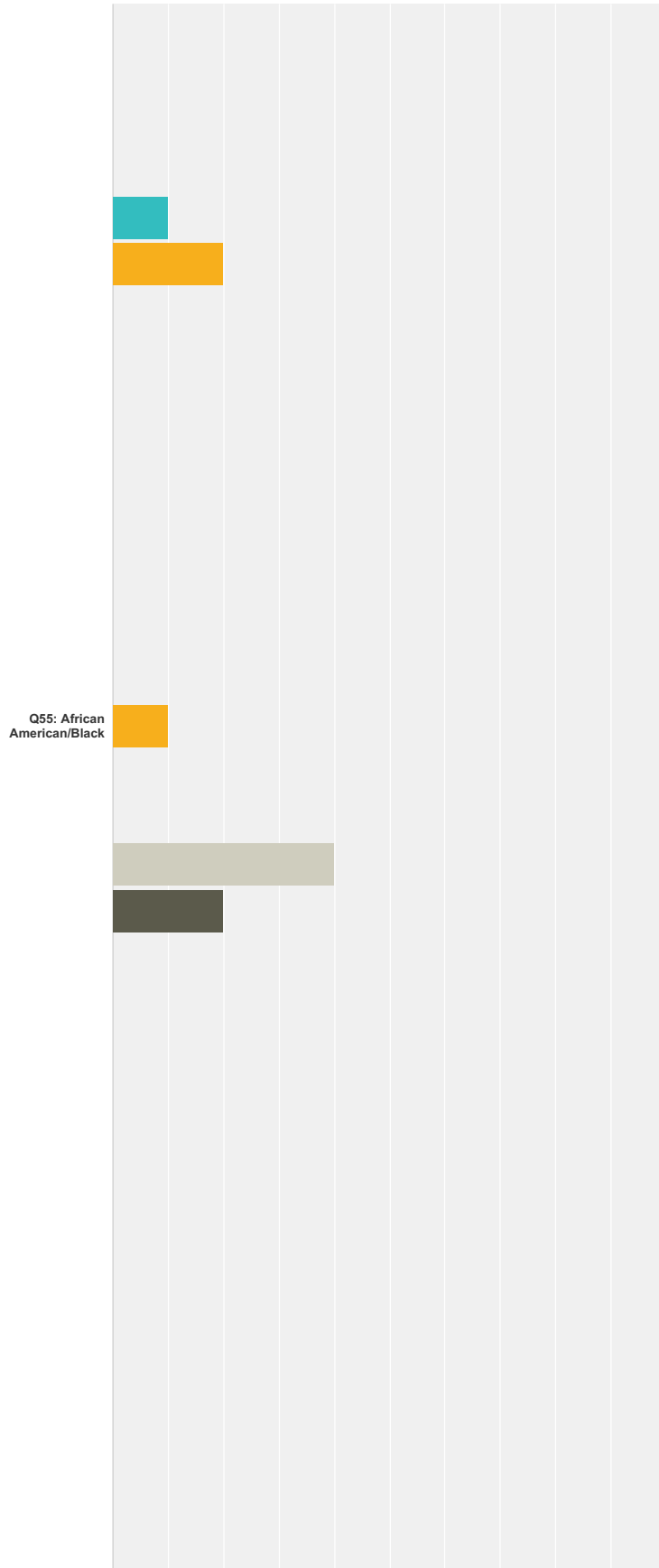
# Maryland High School Computer Science Survey (2014)



	0%	1-20%	21-40%	41-60%	61-80%	81-100%	Total
Q55: African American/Black	10.00% 1	10.00% 1	20.00% 2	30.00% 3	30.00% 3	0.00% 0	10
Q55: Asian American/Pacific Islander	0.00% 0	33.33% 1	33.33% 1	33.33% 1	0.00% 0	0.00% 0	3
Q55: Caucasian/White	13.21% 7	33.96% 18	43.40% 23	7.55% 4	0.00% 0	1.89% 1	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	8	20	26	8	3	1	66

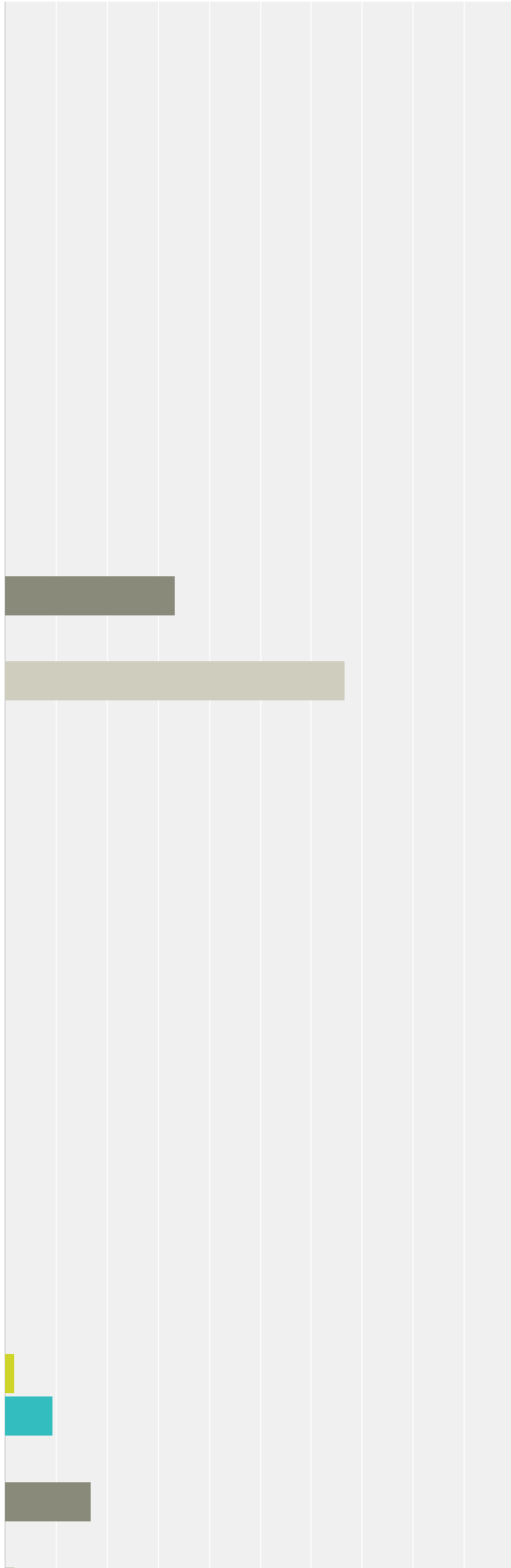
**Q6 In which school district is your high school located?**

Answered: 66 Skipped: 0

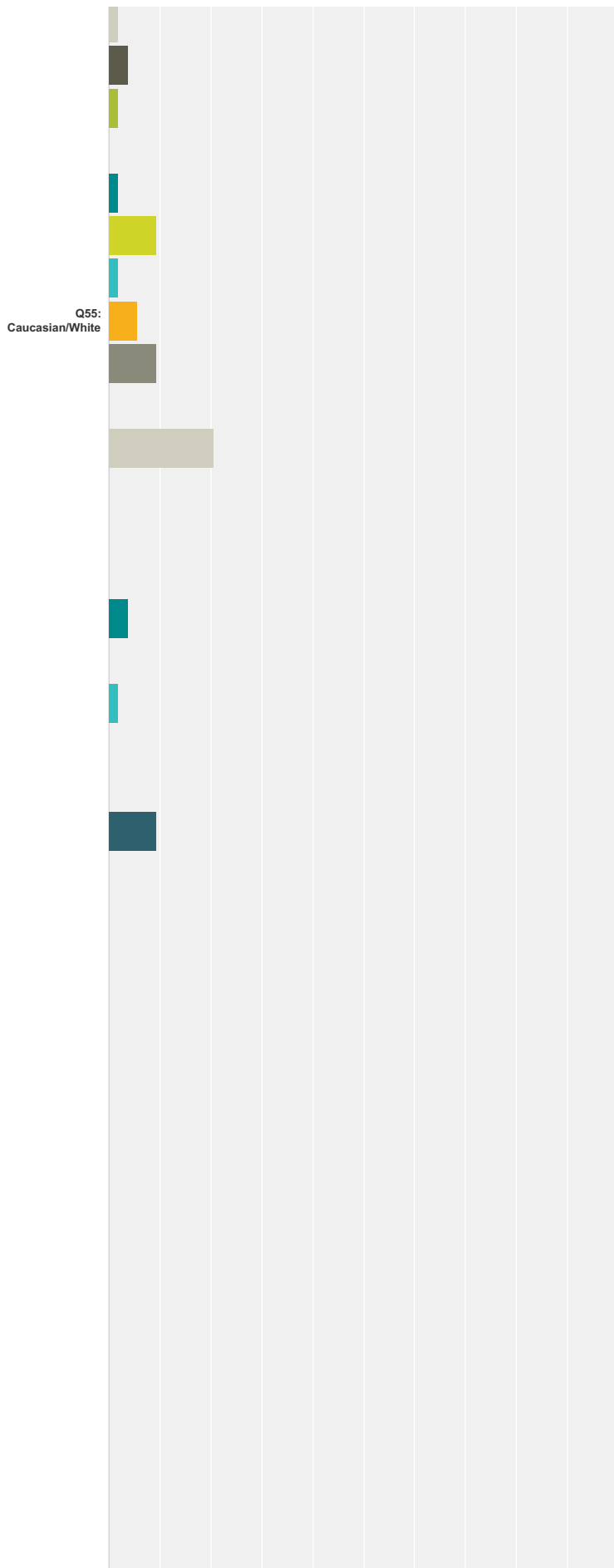


# Maryland High School Computer Science Survey (2014)

Q55: Asian  
American/Pac...



# Maryland High School Computer Science Survey (2014)

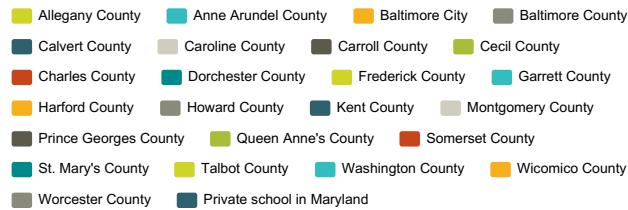
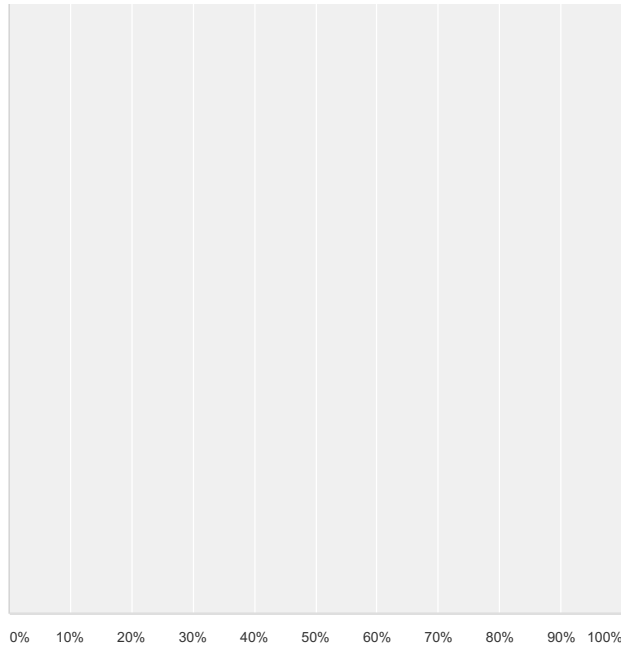


# Maryland High School Computer Science Survey (2014)

Q55: Hispanic

Q55: Native  
American/Ind...

# Maryland High School Computer Science Survey (2014)

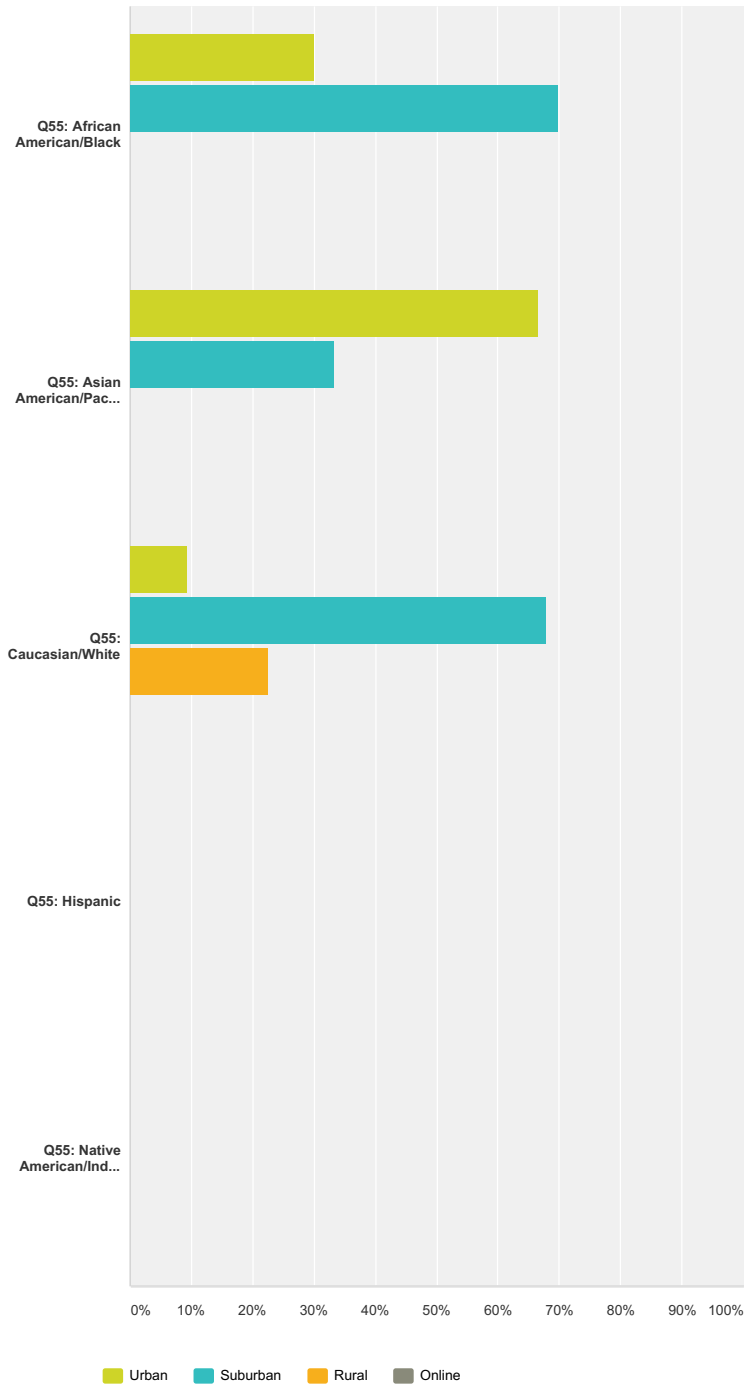


	Allegany County	Anne Arundel County	Baltimore City	Baltimore County	Calvert County	Caroline County	Carroll County	Cecil County	Charles County	Dorchester County	Frederick County	Garrett County	Harford County	Howard County	Kent County	Montg County	Private school in Maryland
Q55: African American/Black	0.00% 0	10.00% 1	20.00% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	10.00% 1	0.00% 0	0.00% 0		
Q55: Asian American/Pacific Islander	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	33.33% 1	0.00% 0		
Q55: Caucasian/White	1.89% 1	9.43% 5	0.00% 0	16.98% 9	0.00% 0	1.89% 1	3.77% 2	1.89% 1	0.00% 0	1.89% 1	9.43% 5	1.89% 1	5.66% 3	9.43% 5	0.00% 0		
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0		
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0		
<b>Total Respondents</b>	1	6	2	9	0	1	2	1	0	1	5	1	4	6	0		17
<b>Other state/school district: please specify</b>																	
Q55: African American/Black																1	1
Q55: Asian American/Pacific Islander																0	0
Q55: Caucasian/White																0	0
Q55: Hispanic																0	0
Q55: Native American/Indigenous																0	0

# Maryland High School Computer Science Survey (2014)

## Q7 Which of the following best describes your school's location?

Answered: 66 Skipped: 0



	Urban	Suburban	Rural	Online	Total
Q55: African American/Black	30.00% 3	70.00% 7	0.00% 0	0.00% 0	10
Q55: Asian American/Pacific Islander	66.67% 2	33.33% 1	0.00% 0	0.00% 0	3
Q55: Caucasian/White	9.43% 5	67.92% 36	22.64% 12	0.00% 0	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0



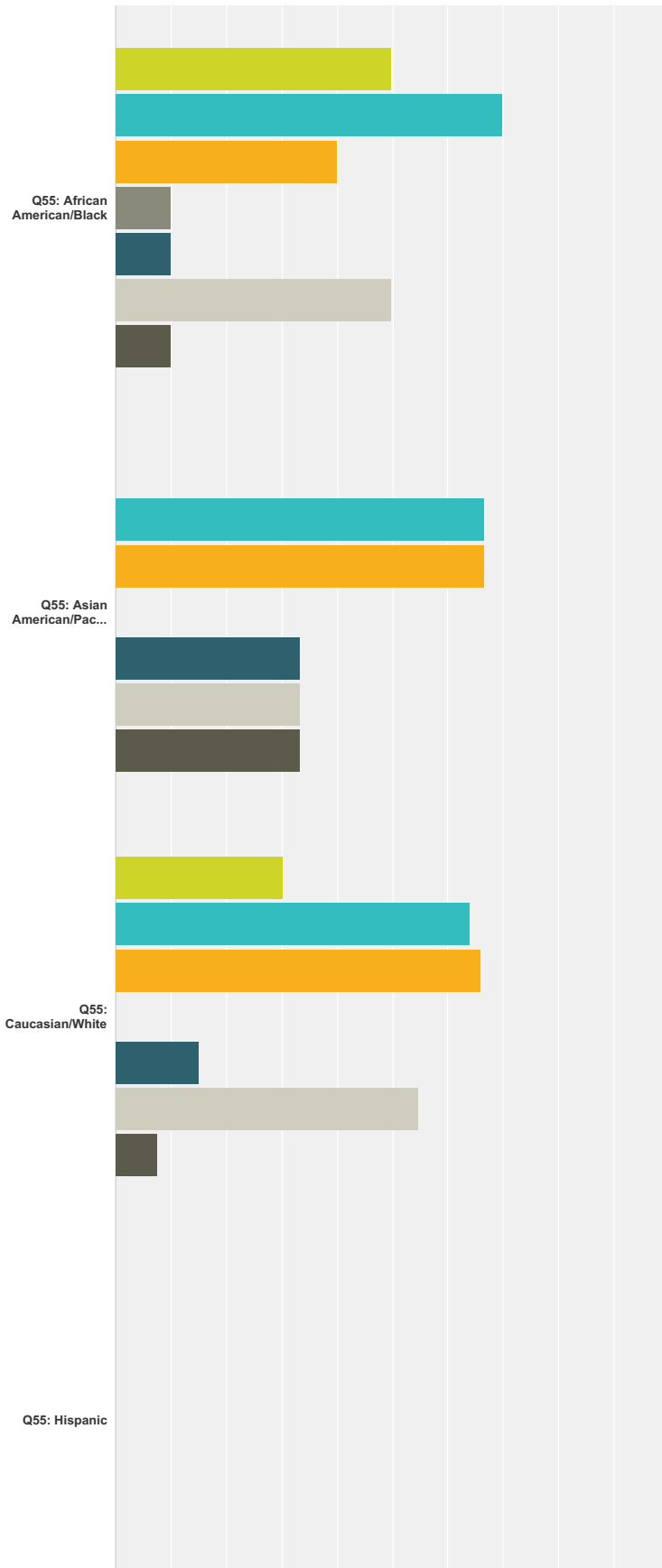
# Maryland High School Computer Science Survey (2014)

Total Respondents	10	44	12	0	66
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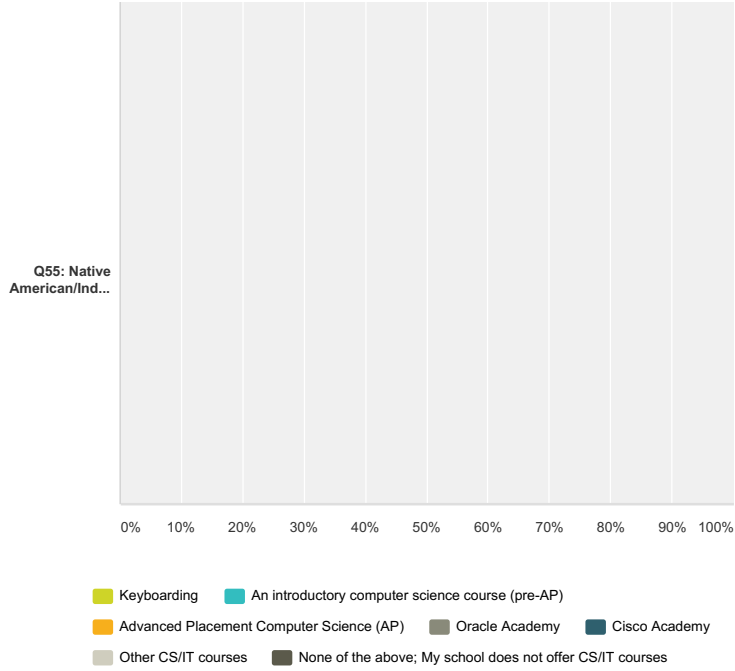
# Maryland High School Computer Science Survey (2014)

## Q8 Which of the following are offered at your high school? (Check all that apply.)

Answered: 66 Skipped: 0



# Maryland High School Computer Science Survey (2014)

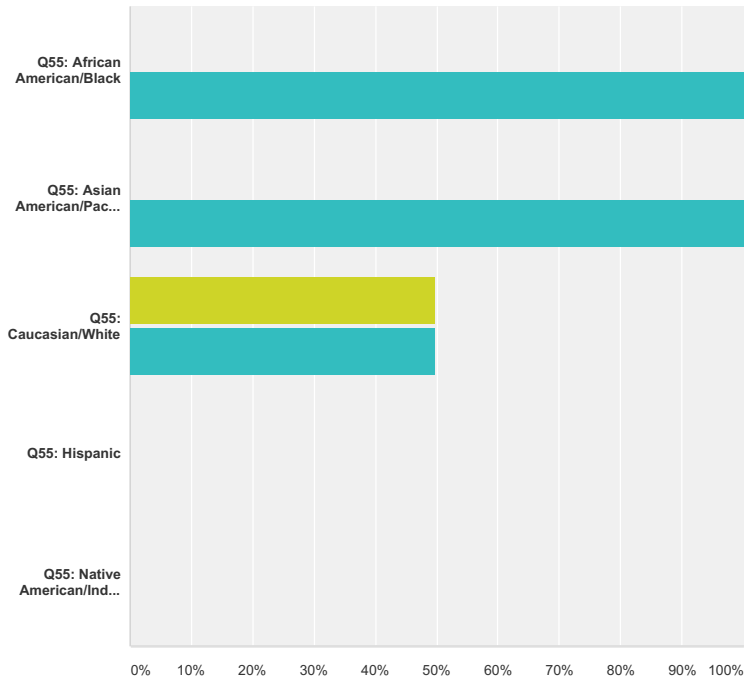


	Keyboarding	An introductory computer science course (pre-AP)	Advanced Placement Computer Science (AP)	Oracle Academy	Cisco Academy	Other CS/IT courses	None of the above; My school does not offer CS/IT courses	Total
Q55: African American/Black	50.00% 5	70.00% 7	40.00% 4	10.00% 1	10.00% 1	50.00% 5	10.00% 1	24
Q55: Asian American/Pacific Islander	0.00% 0	66.67% 2	66.67% 2	0.00% 0	33.33% 1	33.33% 1	33.33% 1	7
Q55: Caucasian/White	30.19% 16	64.15% 34	66.04% 35	0.00% 0	15.09% 8	54.72% 29	7.55% 4	126
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	21	43	41	1	10	35	6	66

# Maryland High School Computer Science Survey (2014)

## Q9 Which of the following best describes CS/IT course offerings at your school?

Answered: 6 Skipped: 60



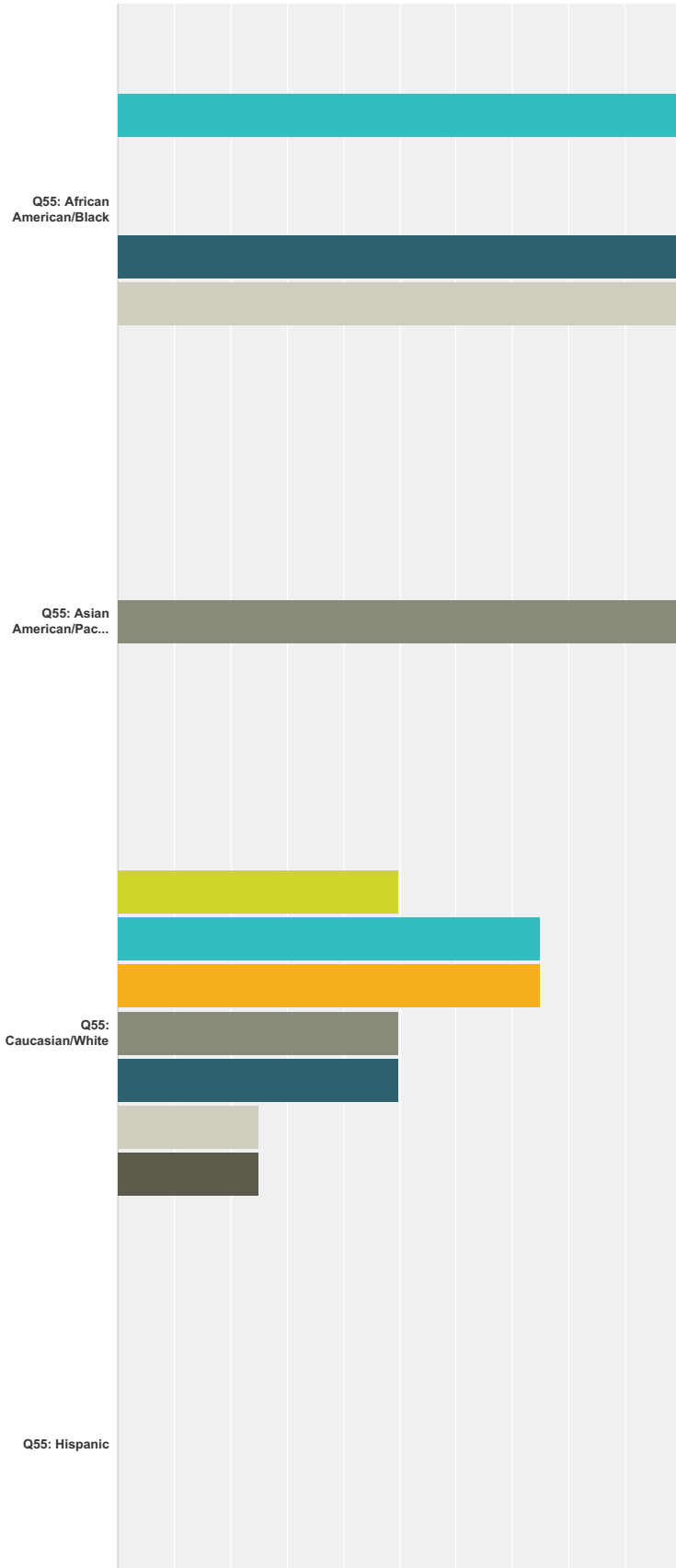
- CS/IT courses have never been offered at my school
- CS/IT courses were offered in the past at my school, but have been discontinued

	CS/IT courses have never been offered at my school	CS/IT courses were offered in the past at my school, but have been discontinued	Total
Q55: African American/Black	0.00% 0	100.00% 1	1
Q55: Asian American/Pacific Islander	0.00% 0	100.00% 1	1
Q55: Caucasian/White	50.00% 2	50.00% 2	4
Q55: Hispanic	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	2	4	6

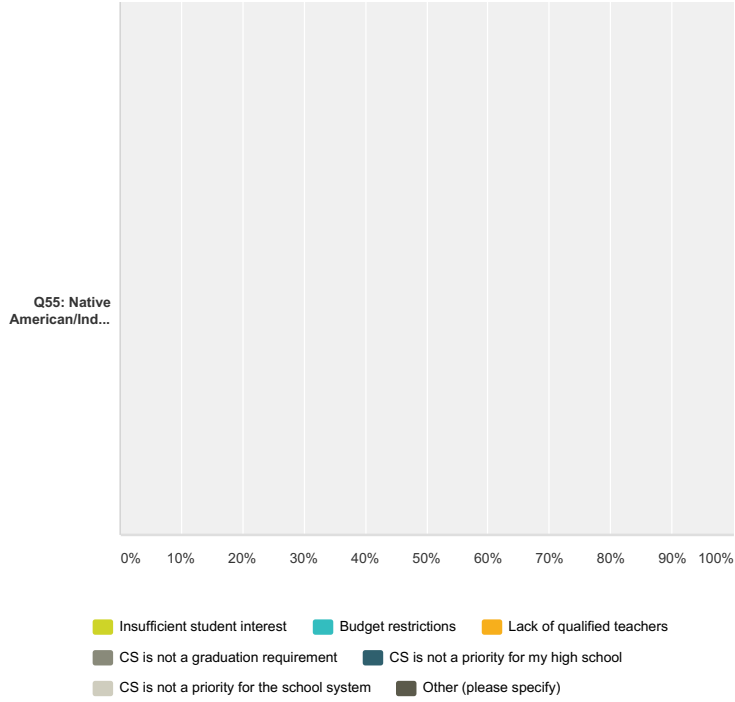
	Comments:	Total
Q55: African American/Black	0	0
Q55: Asian American/Pacific Islander	0	0
Q55: Caucasian/White	3	3
Q55: Hispanic	0	0
Q55: Native American/Indigenous	0	0

**Q10 What are some of the reasons why your school does not offer computer science courses? (Check all that apply.)**

Answered: 6 Skipped: 60



# Maryland High School Computer Science Survey (2014)

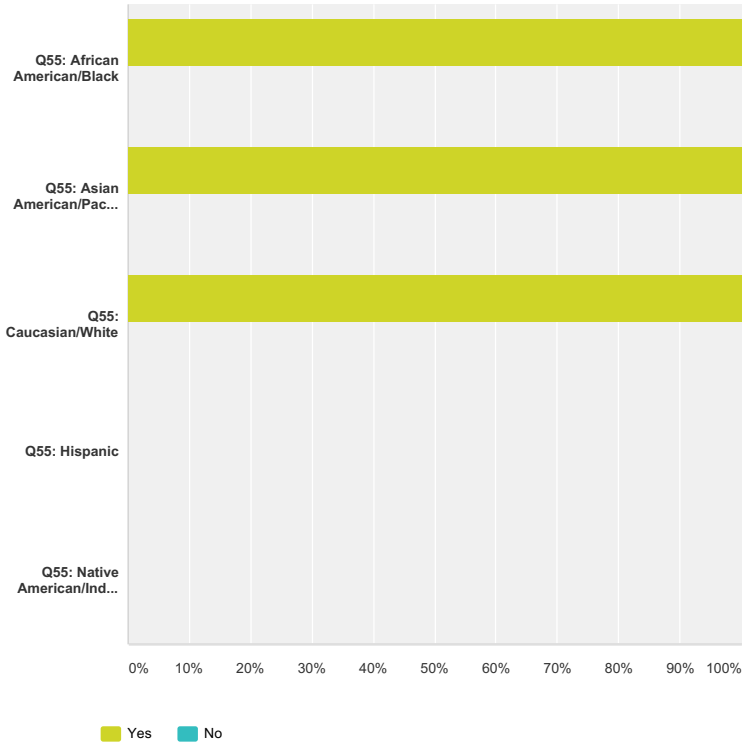


	Insufficient student interest	Budget restrictions	Lack of qualified teachers	CS is not a graduation requirement	CS is not a priority for my high school	CS is not a priority for the school system	Other (please specify)	Total
Q55: African American/Black	0.00% 0	100.00% 1	0.00% 0	0.00% 0	100.00% 1	100.00% 1	0.00% 0	3
Q55: Asian American/Pacific Islander	0.00% 0	0.00% 0	0.00% 0	100.00% 1	0.00% 0	0.00% 0	0.00% 0	1
Q55: Caucasian/White	50.00% 2	75.00% 3	75.00% 3	50.00% 2	50.00% 2	25.00% 1	25.00% 1	14
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	2	4	3	3	3	2	1	6

# Maryland High School Computer Science Survey (2014)

## Q11 In your judgement, do you think that your school should offer CS courses?

Answered: 6 Skipped: 60

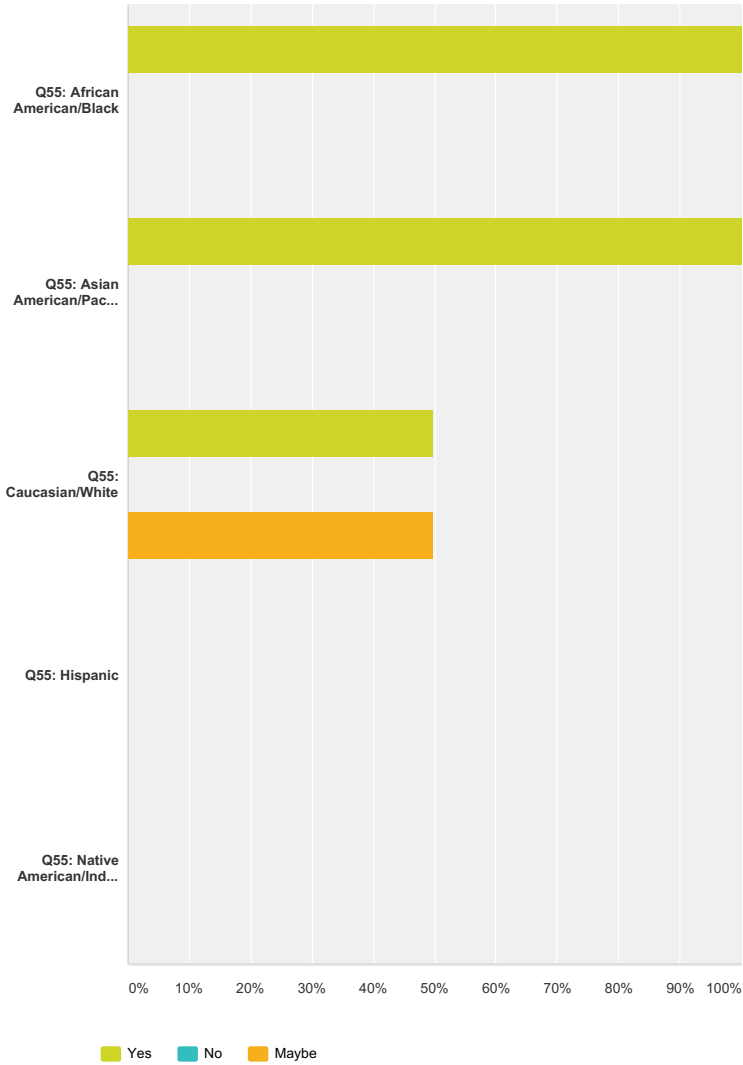


	Yes	No	Total
Q55: African American/Black	100.00% 1	0.00% 0	1
Q55: Asian American/Pacific Islander	100.00% 1	0.00% 0	1
Q55: Caucasian/White	100.00% 4	0.00% 0	4
Q55: Hispanic	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	<b>6</b>	<b>0</b>	<b>6</b>

# Maryland High School Computer Science Survey (2014)

## Q12 If your school offered CS/IT courses, would you be interested in teaching them?

Answered: 6 Skipped: 60

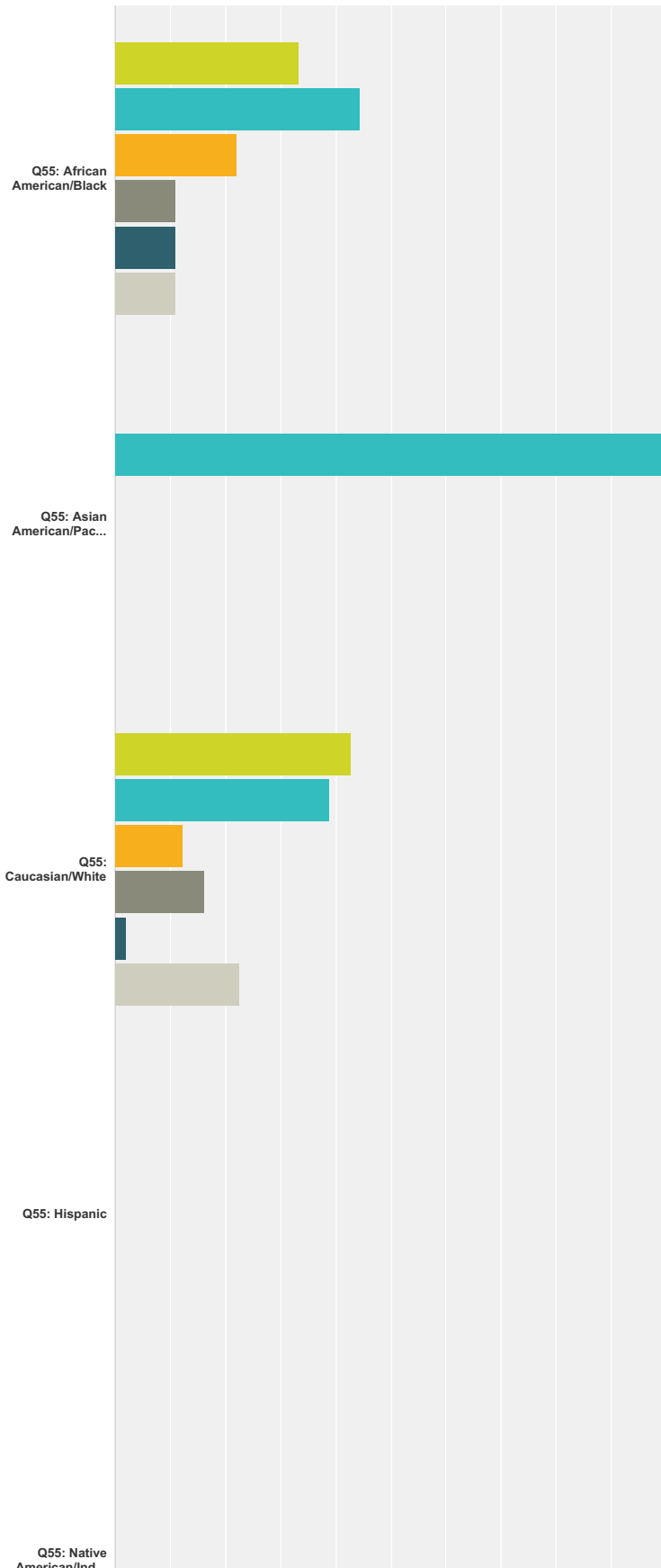


	Yes	No	Maybe	Total
Q55: African American/Black	100.00% 1	0.00% 0	0.00% 0	1
Q55: Asian American/Pacific Islander	100.00% 1	0.00% 0	0.00% 0	1
Q55: Caucasian/White	50.00% 2	0.00% 0	50.00% 2	4
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	4	0	2	6

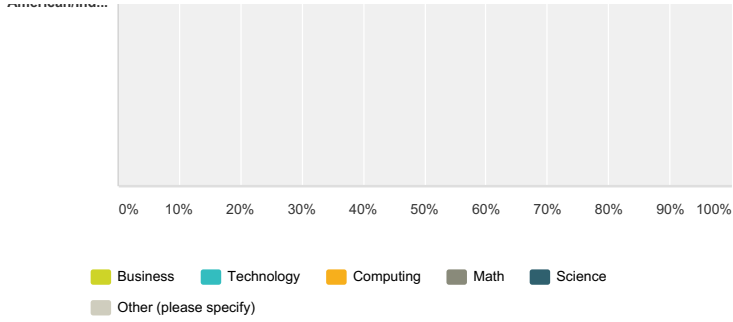


**Q13 Under what department(s) is CS offered in your school? (Check all that apply.)**

Answered: 60 Skipped: 6



# Maryland High School Computer Science Survey (2014)

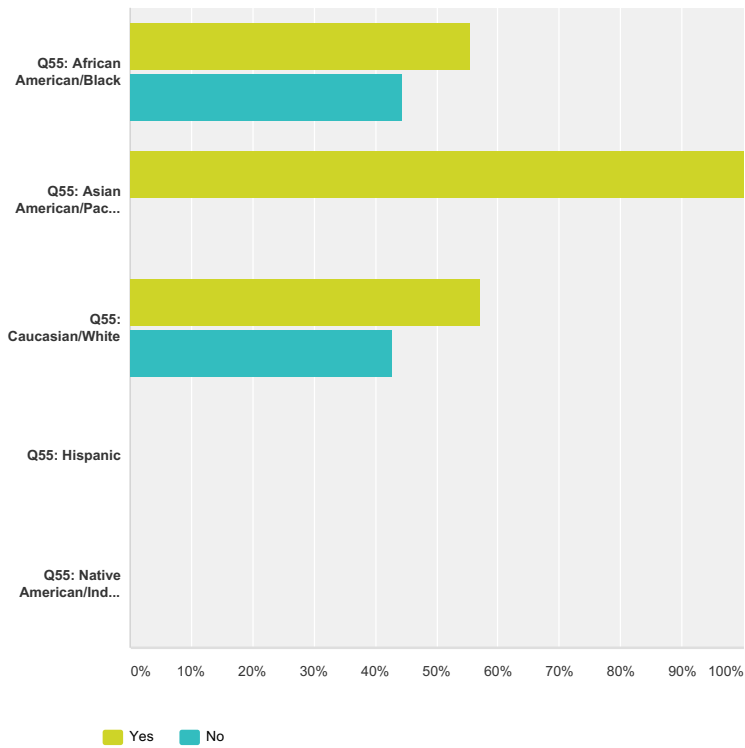


	Business	Technology	Computing	Math	Science	Other (please specify)	Total
Q55: African American/Black	33.33% 3	44.44% 4	22.22% 2	11.11% 1	11.11% 1	11.11% 1	12
Q55: Asian American/Pacific Islander	0.00% 0	100.00% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	2
Q55: Caucasian/White	42.86% 21	38.78% 19	12.24% 6	16.33% 8	2.04% 1	22.45% 11	66
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	24	25	8	9	2	12	60

# Maryland High School Computer Science Survey (2014)

## Q14 Does your district or state require you to teach a specific computer science course curriculum that includes specific content and outcomes?

Answered: 60 Skipped: 6

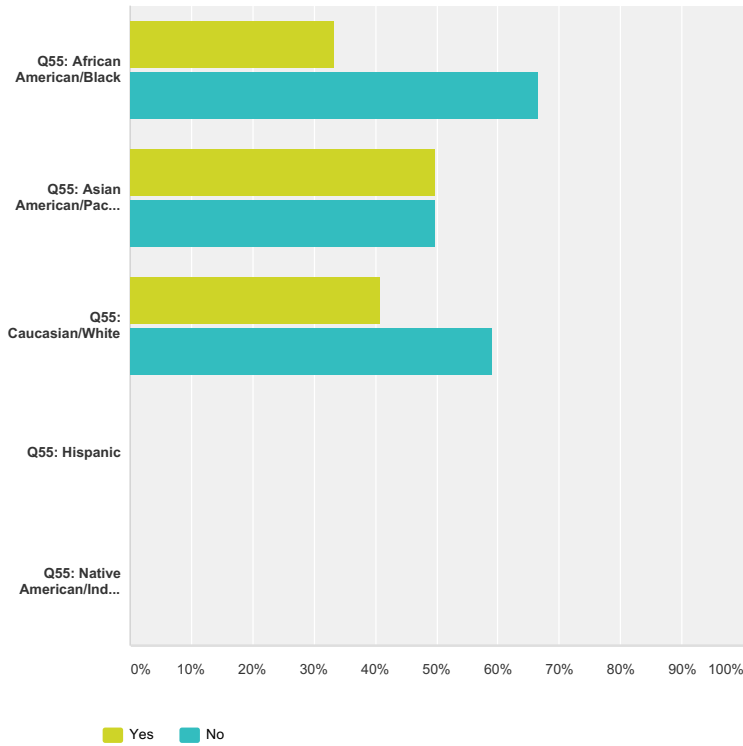


	Yes	No	Total
Q55: African American/Black	55.56% 5	44.44% 4	9
Q55: Asian American/Pacific Islander	100.00% 2	0.00% 0	2
Q55: Caucasian/White	57.14% 28	42.86% 21	49
Q55: Hispanic	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	35	25	60
	Comments		Total
Q55: African American/Black	1		1
Q55: Asian American/Pacific Islander	0		0
Q55: Caucasian/White	3		3
Q55: Hispanic	0		0
Q55: Native American/Indigenous	0		0

# Maryland High School Computer Science Survey (2014)

## Q15 Are these requirements enforced?

Answered: 60 Skipped: 6

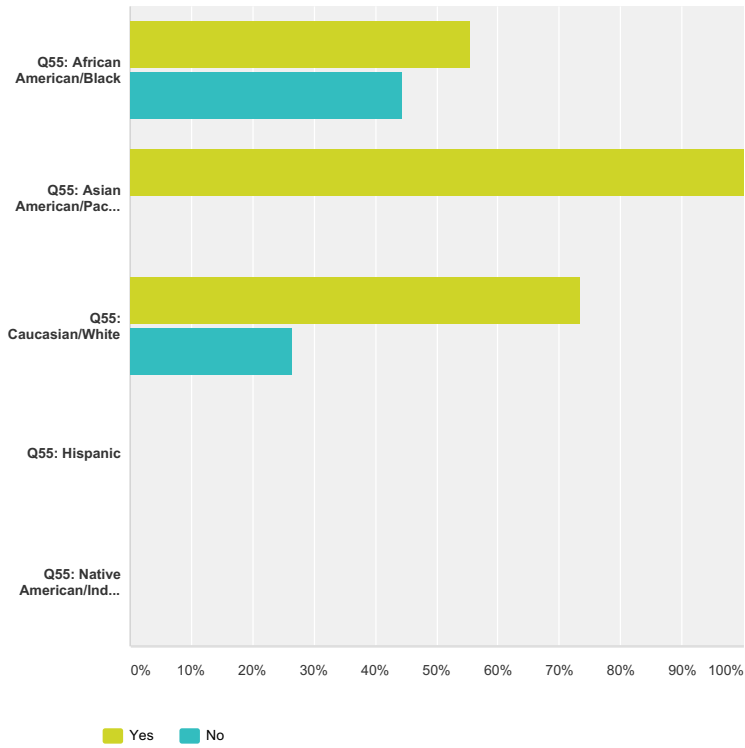


	Yes	No	Total
Q55: African American/Black	33.33% 3	66.67% 6	9
Q55: Asian American/Pacific Islander	50.00% 1	50.00% 1	2
Q55: Caucasian/White	40.82% 20	59.18% 29	49
Q55: Hispanic	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	24	36	60
	Comments		Total
Q55: African American/Black	1		1
Q55: Asian American/Pacific Islander	0		0
Q55: Caucasian/White	4		4
Q55: Hispanic	0		0
Q55: Native American/Indigenous	0		0

# Maryland High School Computer Science Survey (2014)

## Q16 Does your school offer an introductory (pre-AP) Computer Science (CS) course?

Answered: 60 Skipped: 6



	Yes	No	Total
Q55: African American/Black	55.56% 5	44.44% 4	9
Q55: Asian American/Pacific Islander	100.00% 2	0.00% 0	2
Q55: Caucasian/White	73.47% 36	26.53% 13	49
Q55: Hispanic	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	43	17	60

# Maryland High School Computer Science Survey (2014)

## Q17 What are the title(s) of the introductory CS course(s) that are offered at your school?

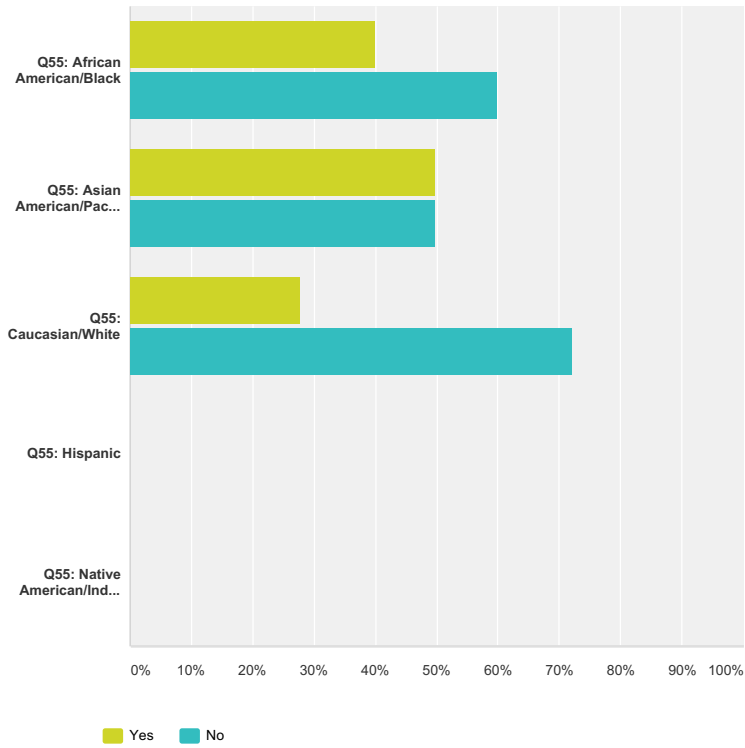
Answered: 43 Skipped: 23

	What are the title(s) of the introductory CS course(s) that are offered at your school?	Total
Q55: African American/Black	100.00% 5	5
Q55: Asian American/Pacific Islander	100.00% 2	2
Q55: Caucasian/White	100.00% 36	36
Q55: Hispanic	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0
<b>Total Respondents</b>	43	43

# Maryland High School Computer Science Survey (2014)

## Q18 Are students required to take introductory CS?

Answered: 43 Skipped: 23

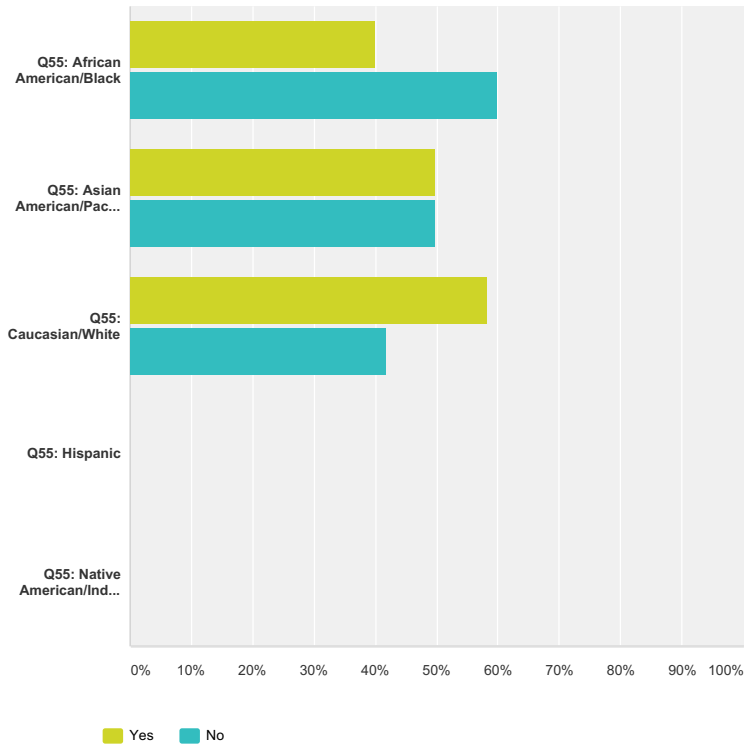


	Yes	No	Total
Q55: African American/Black	40.00% 2	60.00% 3	5
Q55: Asian American/Pacific Islander	50.00% 1	50.00% 1	2
Q55: Caucasian/White	27.78% 10	72.22% 26	36
Q55: Hispanic	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	13	30	43
	Comments		Total
Q55: African American/Black	0		0
Q55: Asian American/Pacific Islander	0		0
Q55: Caucasian/White	12		12
Q55: Hispanic	0		0
Q55: Native American/Indigenous	0		0

# Maryland High School Computer Science Survey (2014)

## Q19 Does the CS introductory course offered in your school have prerequisites?

Answered: 43 Skipped: 23



	Yes	No	Total
Q55: African American/Black	40.00% 2	60.00% 3	5
Q55: Asian American/Pacific Islander	50.00% 1	50.00% 1	2
Q55: Caucasian/White	58.33% 21	41.67% 15	36
Q55: Hispanic	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	24	19	43
	If yes, what are the prerequisites?		Total
Q55: African American/Black	2		2
Q55: Asian American/Pacific Islander	0		0
Q55: Caucasian/White	21		21
Q55: Hispanic	0		0
Q55: Native American/Indigenous	0		0

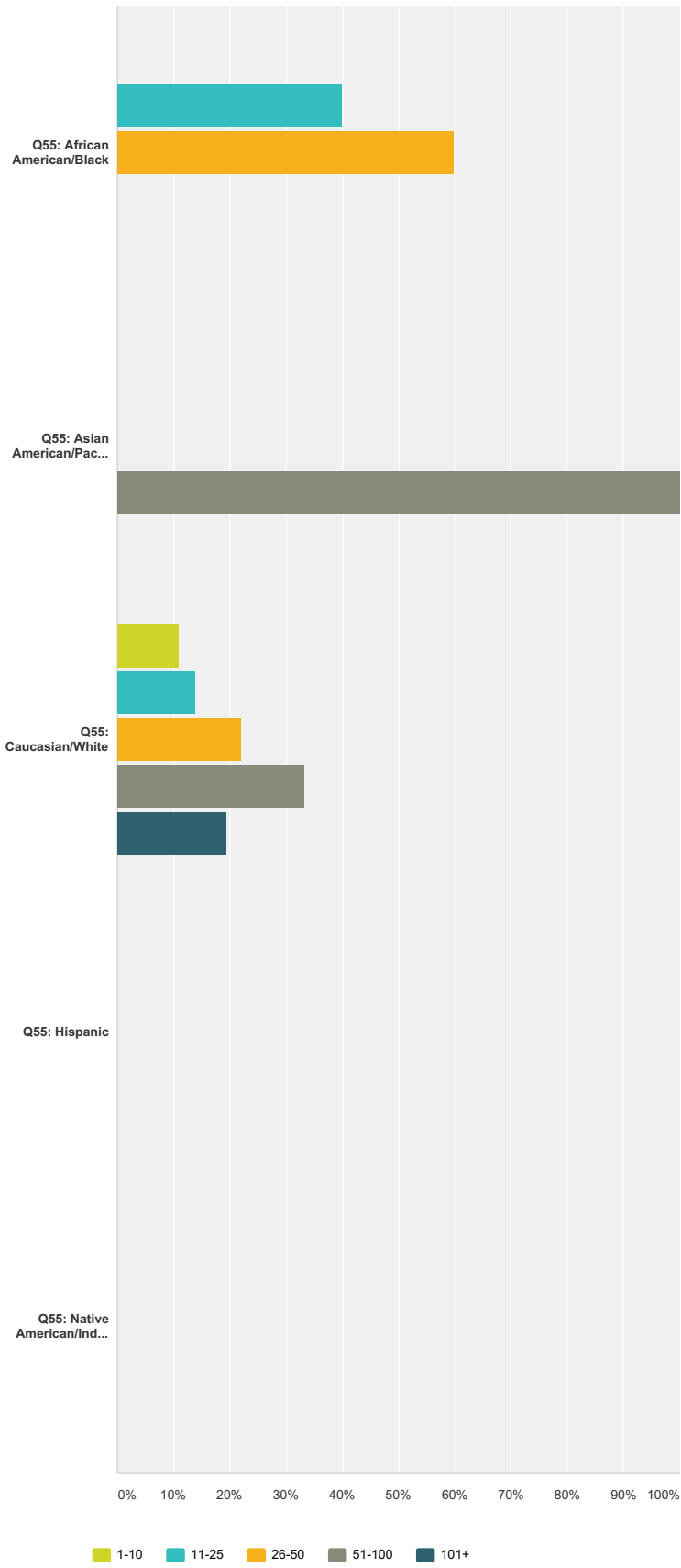


# Maryland High School Computer Science Survey (2014)

**Q20 How many students are enrolled in introductory CS this year at your high school?**

Answered: 43 Skipped: 23

# Maryland High School Computer Science Survey (2014)



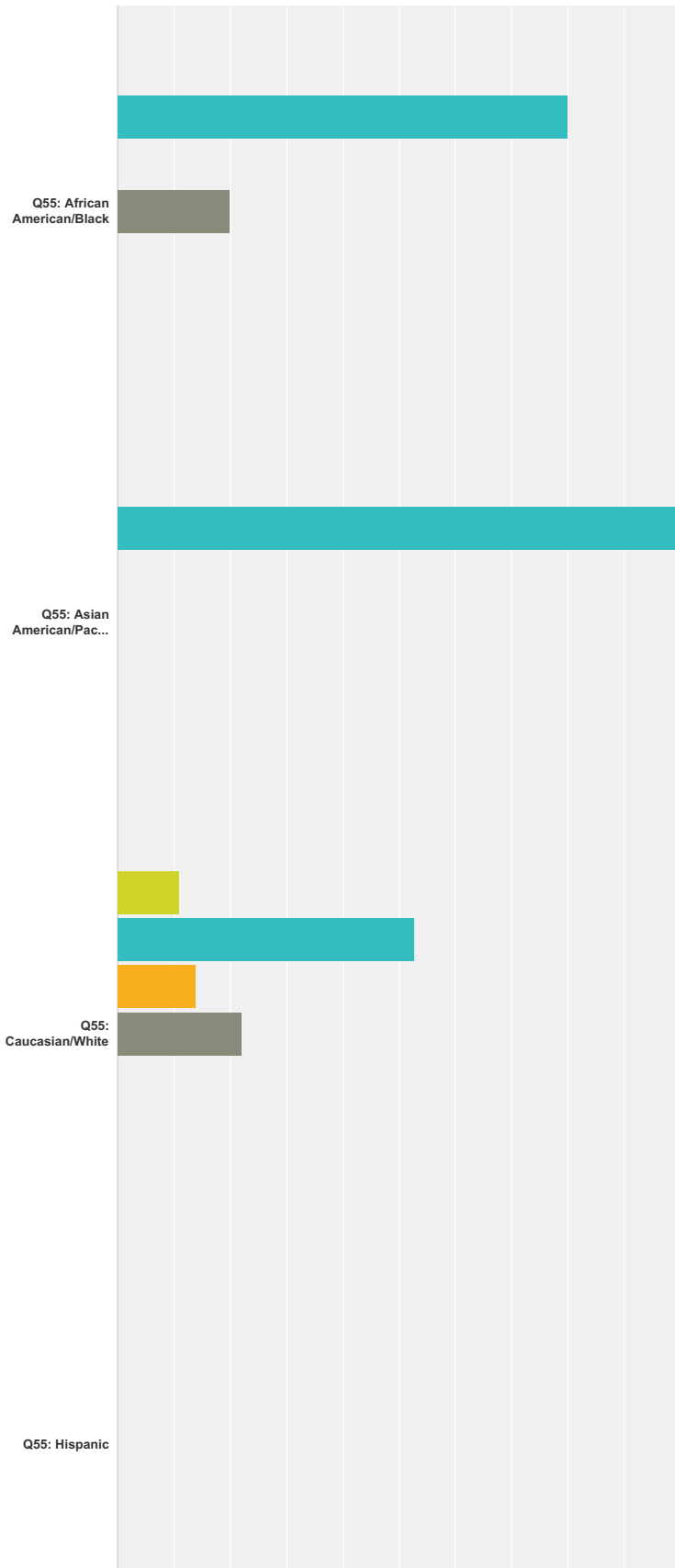
	1-10	11-25	26-50	51-100	101+	Total
Q55: African American/Black	0.00% 0	40.00% 2	60.00% 3	0.00% 0	0.00% 0	5

## Maryland High School Computer Science Survey (2014)

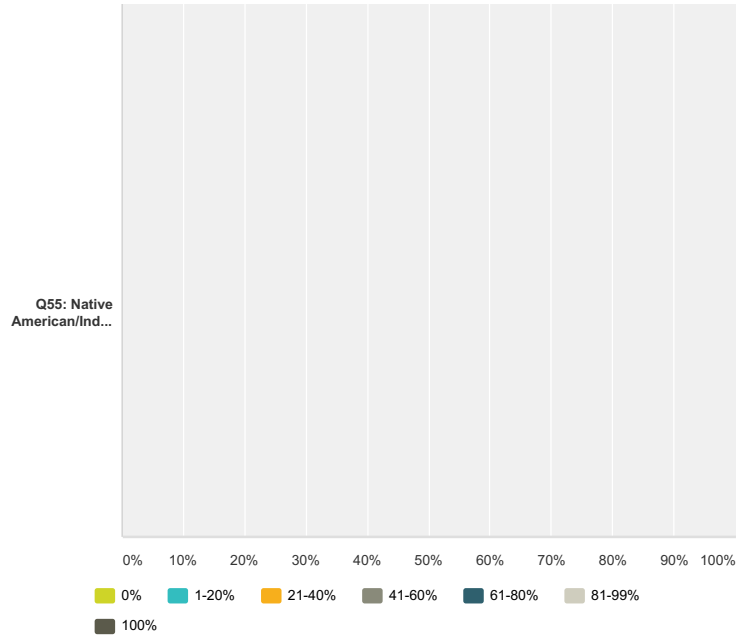
Q55: Asian American/Pacific Islander	0.00% 0	0.00% 0	0.00% 0	100.00% 2	0.00% 0	2
Q55: Caucasian/White	11.11% 4	13.89% 5	22.22% 8	33.33% 12	19.44% 7	36
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	4	7	11	14	7	43

**Q21 What approximate percentage of students enrolled in introductory CS are female?**

Answered: 43 Skipped: 23



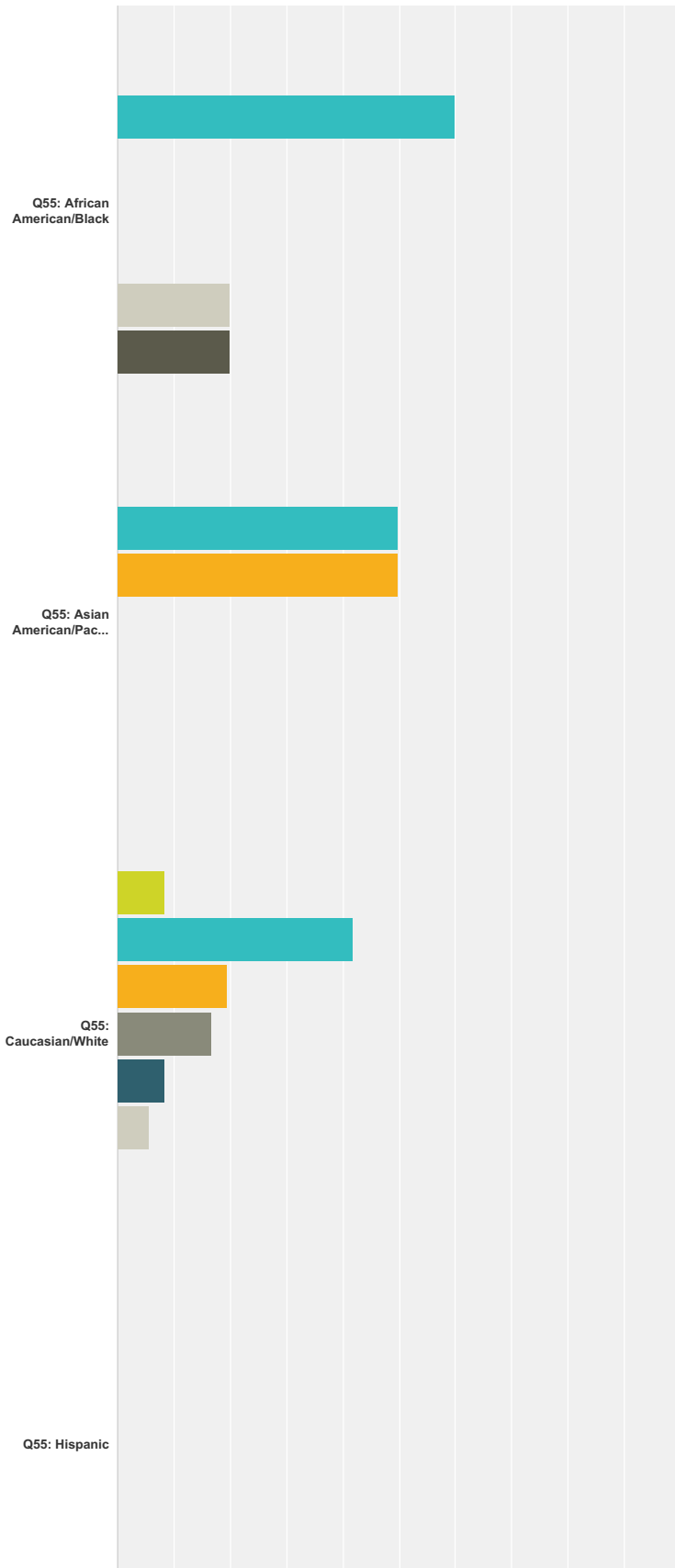
# Maryland High School Computer Science Survey (2014)



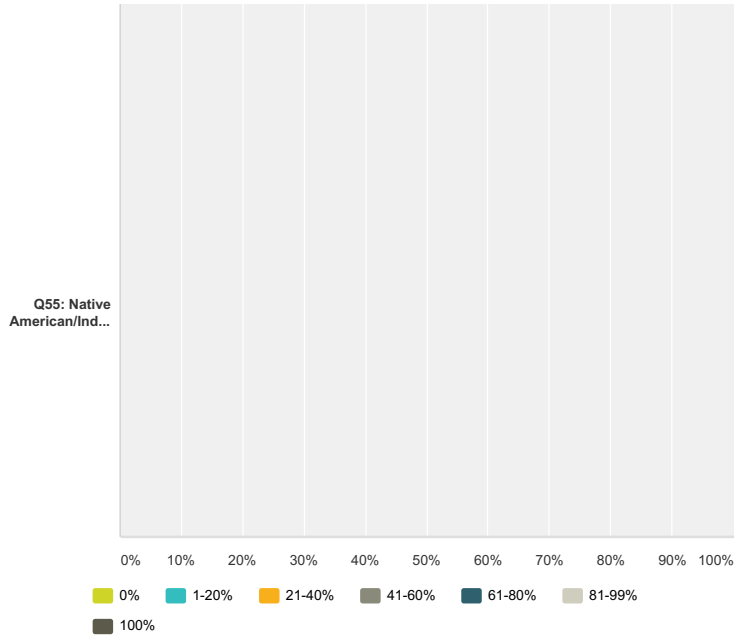
	0%	1-20%	21-40%	41-60%	61-80%	81-99%	100%	Total
Q55: African American/Black	0.00% 0	80.00% 4	0.00% 0	20.00% 1	0.00% 0	0.00% 0	0.00% 0	5
Q55: Asian American/Pacific Islander	0.00% 0	100.00% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	2
Q55: Caucasian/White	11.11% 4	52.78% 19	13.89% 5	22.22% 8	0.00% 0	0.00% 0	0.00% 0	36
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	4	25	5	9	0	0	0	43

**Q22 What approximate percentage of students enrolled in introductory CS are members of an ethnic minority?**

Answered: 43 Skipped: 23



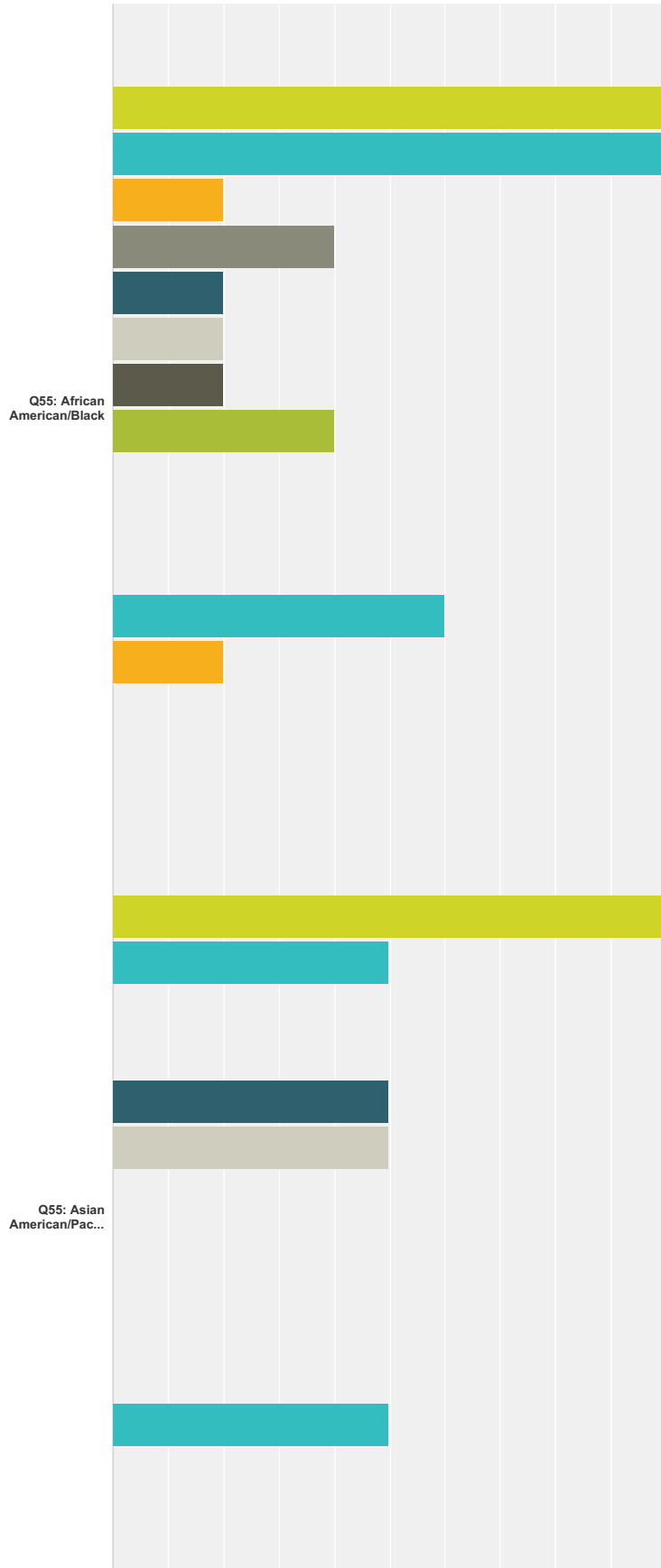
# Maryland High School Computer Science Survey (2014)



	0%	1-20%	21-40%	41-60%	61-80%	81-99%	100%	Total
Q55: African American/Black	0.00% 0	60.00% 3	0.00% 0	0.00% 0	0.00% 0	20.00% 1	20.00% 1	5
Q55: Asian American/Pacific Islander	0.00% 0	50.00% 1	50.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	2
Q55: Caucasian/White	8.33% 3	41.67% 15	19.44% 7	16.67% 6	8.33% 3	5.56% 2	0.00% 0	36
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	3	19	8	6	3	3	1	43

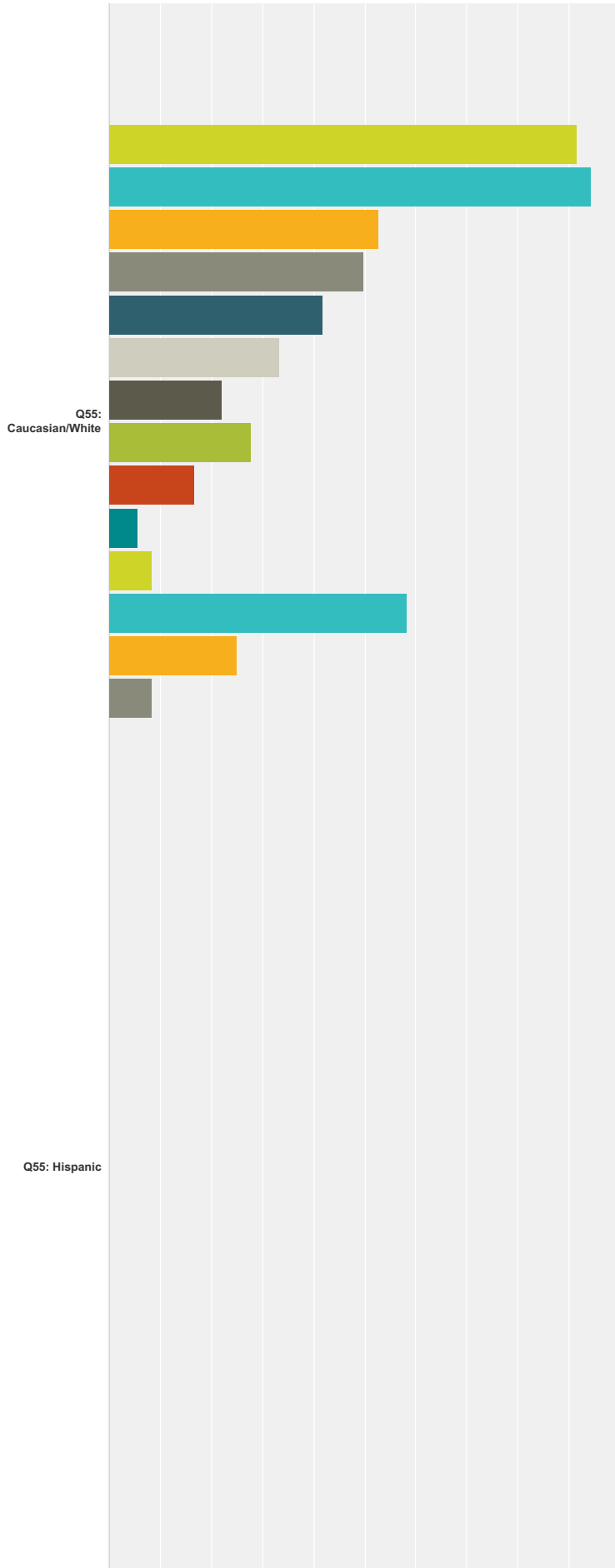
**Q23 What content is covered in introductory CS? (Check all that apply.)**

Answered: 43 Skipped: 23

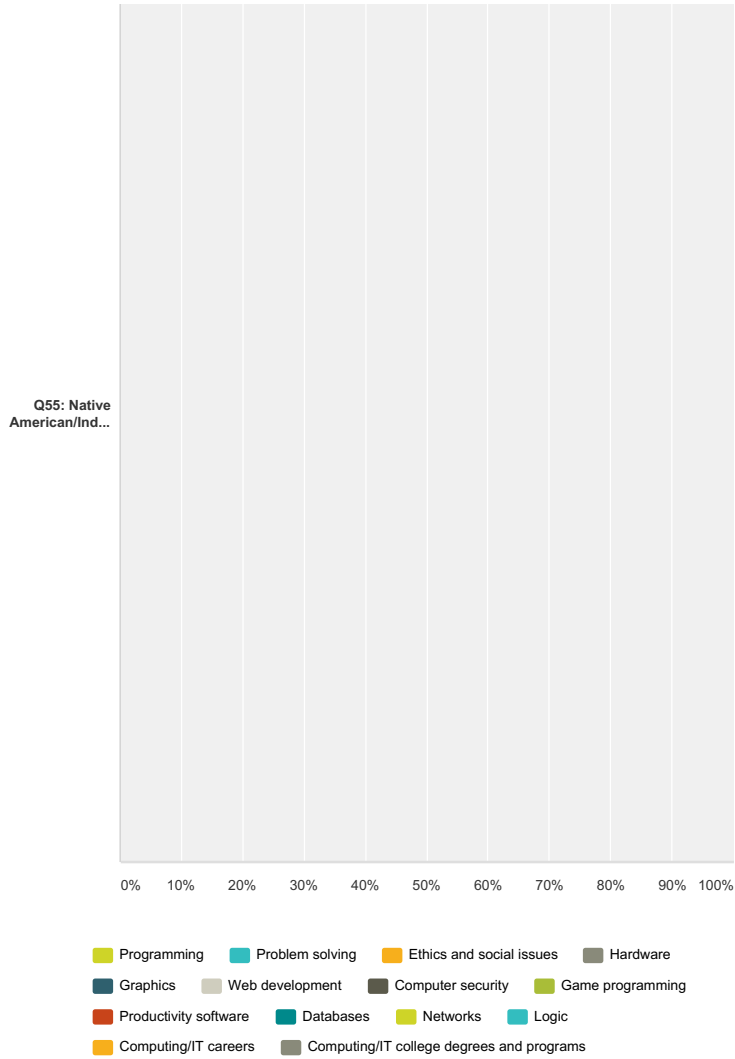




# Maryland High School Computer Science Survey (2014)



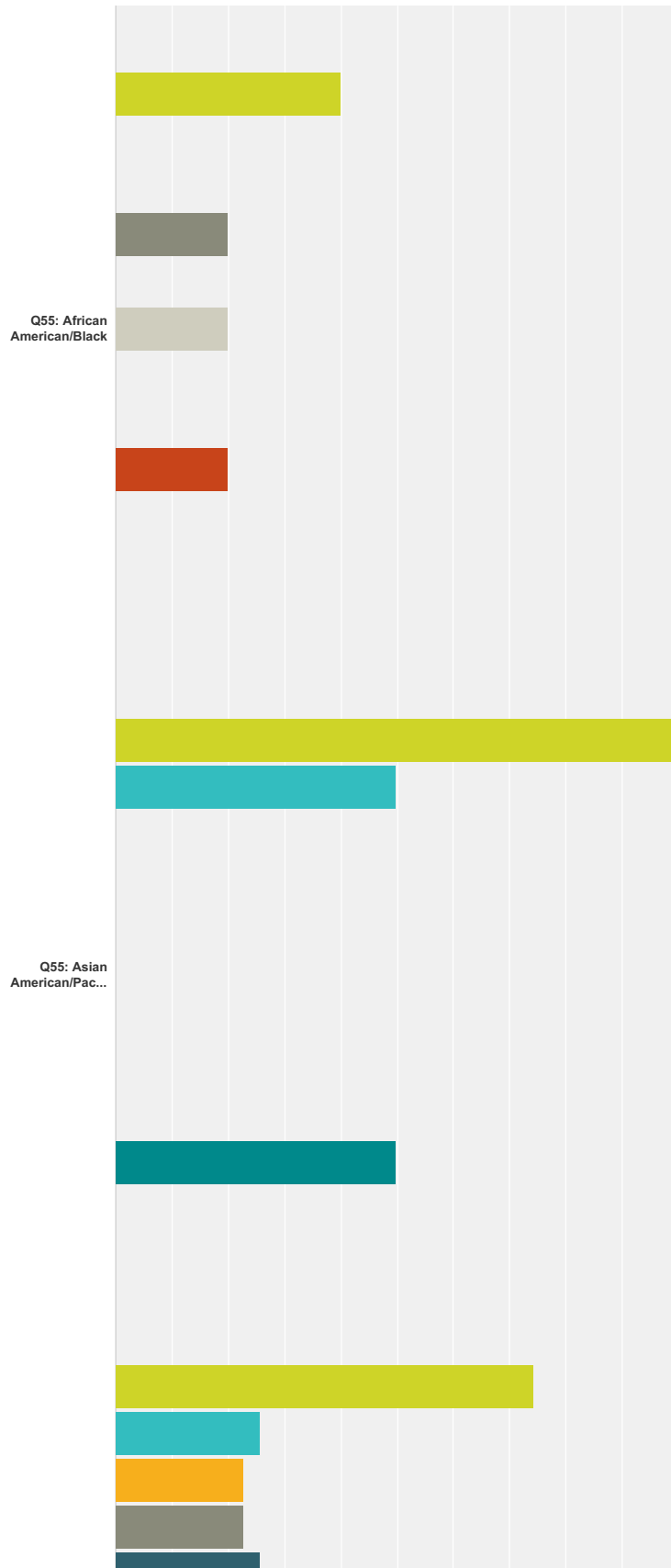
# Maryland High School Computer Science Survey (2014)



	Programming	Problem solving	Ethics and social issues	Hardware	Graphics	Web development	Computer security	Game programming	Productivity software	Databases	Networks	Logic	Computing/IT careers	Computing/IT college degrees and programs
Q55: African American/Black	100.00% 5	100.00% 5	20.00% 1	40.00% 2	20.00% 1	20.00% 1	20.00% 1	40.00% 2	0.00% 0	0.00% 0	0.00% 0	60.00% 3	20.00% 1	
Q55: Asian American/Pacific Islander	100.00% 2	50.00% 1	0.00% 0	0.00% 0	50.00% 1	50.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	50.00% 1	0.00% 0	
Q55: Caucasian/White	91.67% 33	94.44% 34	52.78% 19	50.00% 18	41.67% 15	33.33% 12	22.22% 8	27.78% 10	16.67% 6	5.56% 2	8.33% 3	58.33% 21	25.00% 9	
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	
<b>Total Respondents</b>	40	40	20	20	17	14	9	12	6	2	3	25	10	3

**Q24 What programming languages/software tools are used in introductory CS? (Check all that apply.)**

Answered: 42 Skipped: 24



# Maryland High School Computer Science Survey (2014)



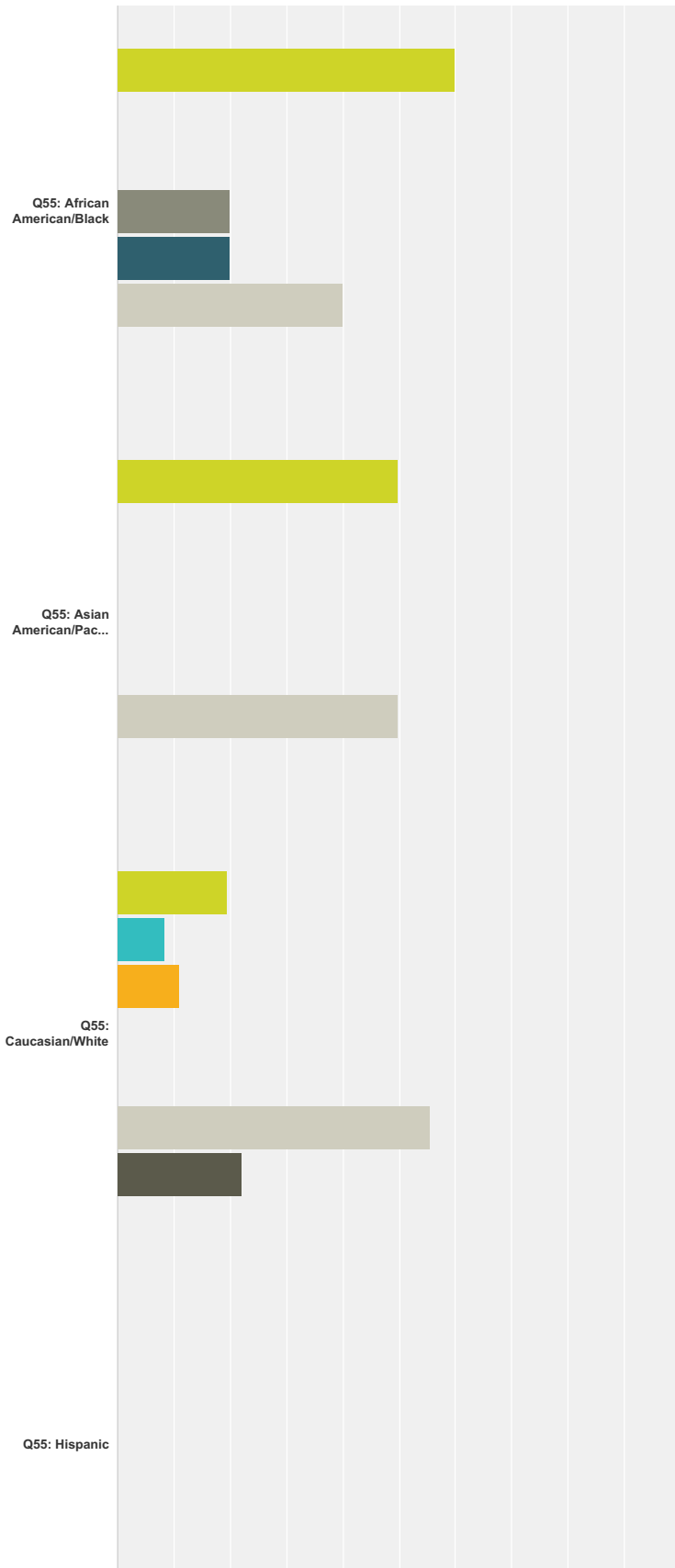
# Maryland High School Computer Science Survey (2014)

■ Java  
 ■ Alice  
 ■ Visual Basic  
 ■ Scratch  
 ■ JavaScript  
 ■ C++  
■ Python  
 ■ Greenfoot  
 ■ C#  
 ■ HTML  
 ■ Other (please specify)

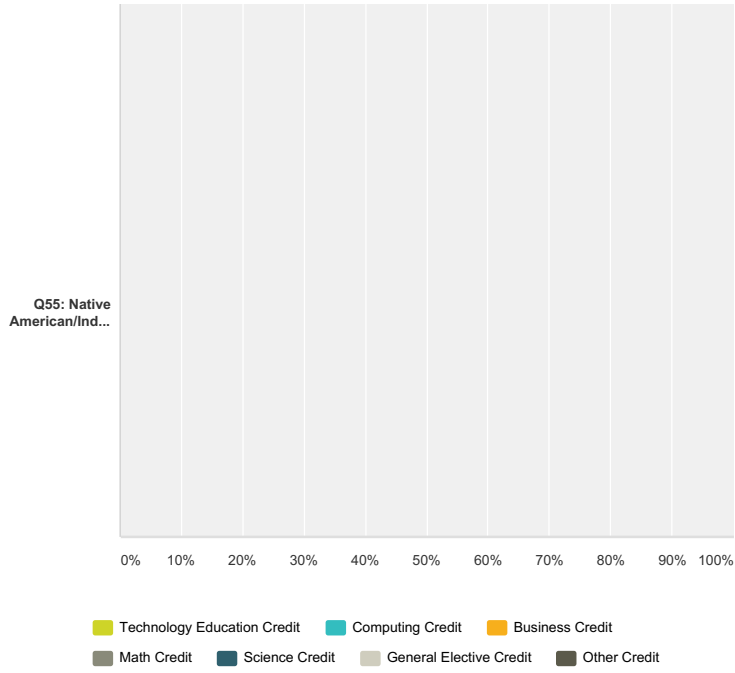
	Java	Alice	Visual Basic	Scratch	JavaScript	C++	Python	Greenfoot	C#	HTML	Other (please specify)	Total
Q55: African American/Black	40.00% 2	0.00% 0	0.00% 0	20.00% 1	0.00% 0	20.00% 1	0.00% 0	0.00% 0	20.00% 1	0.00% 0	0.00% 0	5
Q55: Asian American/Pacific Islander	100.00% 2	50.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	50.00% 1	0.00% 0	4
Q55: Caucasian/White	74.29% 26	25.71% 9	22.86% 8	22.86% 8	25.71% 9	37.14% 13	17.14% 6	0.00% 0	0.00% 0	31.43% 11	20.00% 7	97
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	30	10	8	9	9	14	6	0	1	12	7	42

**Q25 What type of credit is earned by the introductory CS (pre-AP) courses? (Check all that apply.)**

Answered: 43 Skipped: 23



# Maryland High School Computer Science Survey (2014)

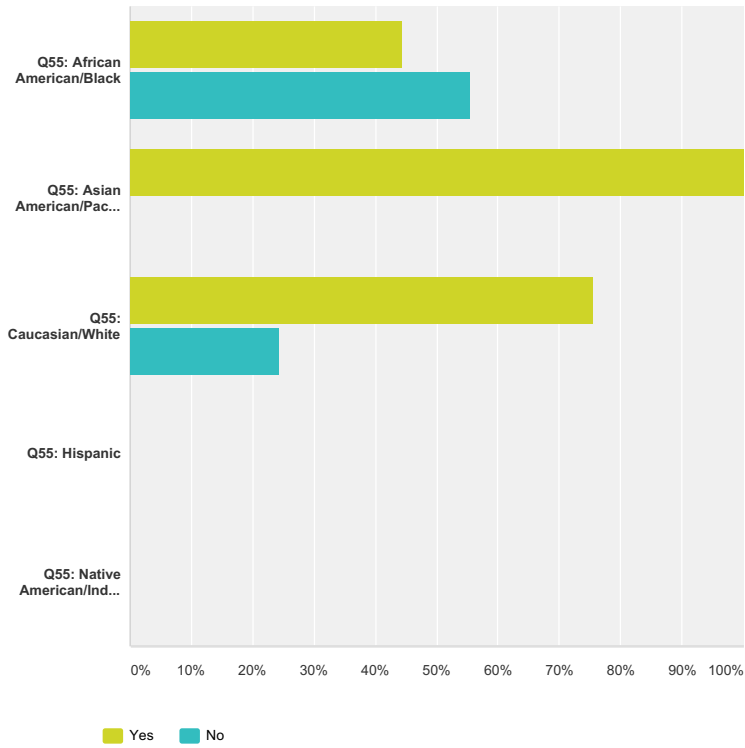


	Technology Education Credit	Computing Credit	Business Credit	Math Credit	Science Credit	General Elective Credit	Other Credit	Total
Q55: African American/Black	60.00% 3	0.00% 0	0.00% 0	20.00% 1	20.00% 1	40.00% 2	0.00% 0	7
Q55: Asian American/Pacific Islander	50.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	50.00% 1	0.00% 0	2
Q55: Caucasian/White	19.44% 7	8.33% 3	11.11% 4	0.00% 0	0.00% 0	55.56% 20	22.22% 8	42
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	11	3	4	1	1	23	8	43
	<b>Other (please specify)</b>						<b>Total</b>	
Q55: African American/Black							0	0
Q55: Asian American/Pacific Islander							0	0
Q55: Caucasian/White							9	9
Q55: Hispanic							0	0
Q55: Native American/Indigenous							0	0

# Maryland High School Computer Science Survey (2014)

## Q26 Does your school offer AP Computer Science?

Answered: 60 Skipped: 6

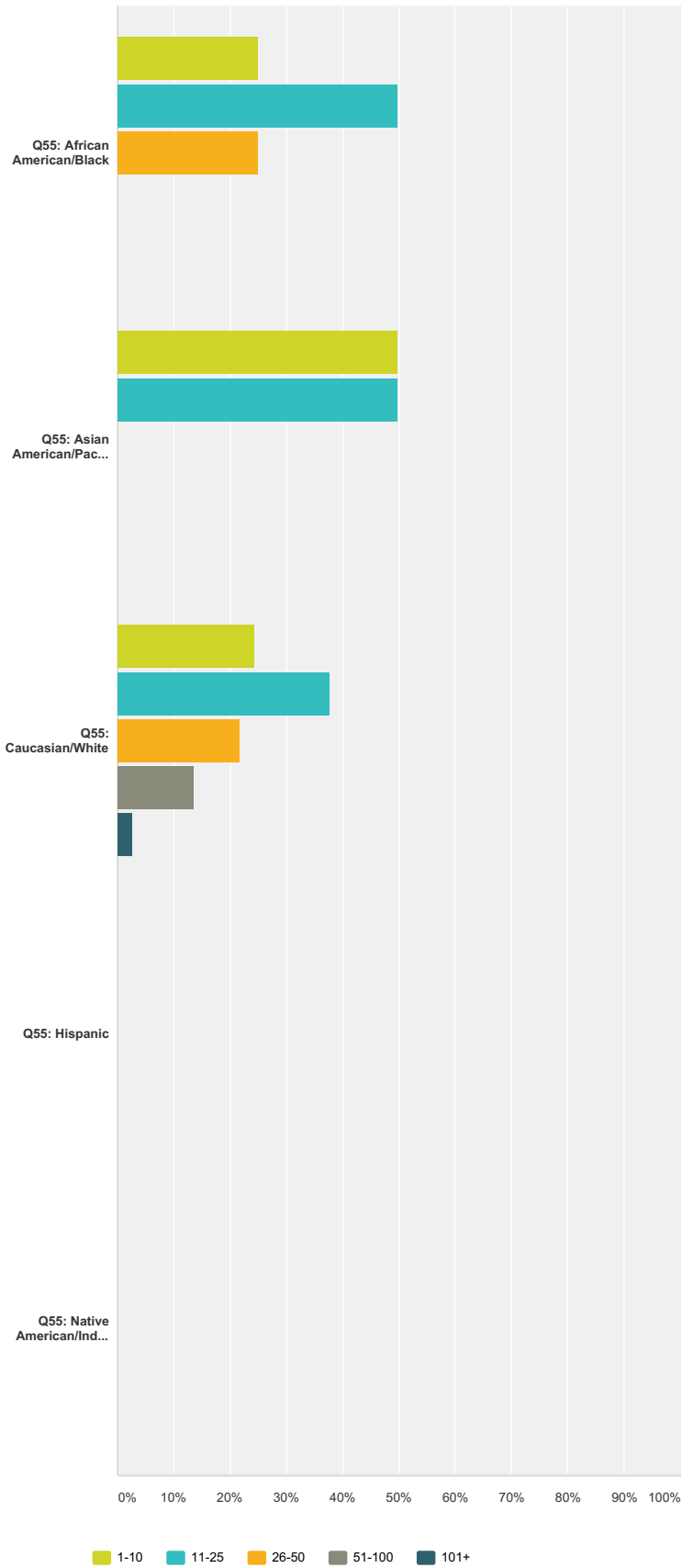


	Yes	No	Total
Q55: African American/Black	44.44% 4	55.56% 5	9
Q55: Asian American/Pacific Islander	100.00% 2	0.00% 0	2
Q55: Caucasian/White	75.51% 37	24.49% 12	49
Q55: Hispanic	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	43	17	60



Q27 How many students take AP CS each year?

Answered: 43 Skipped: 23

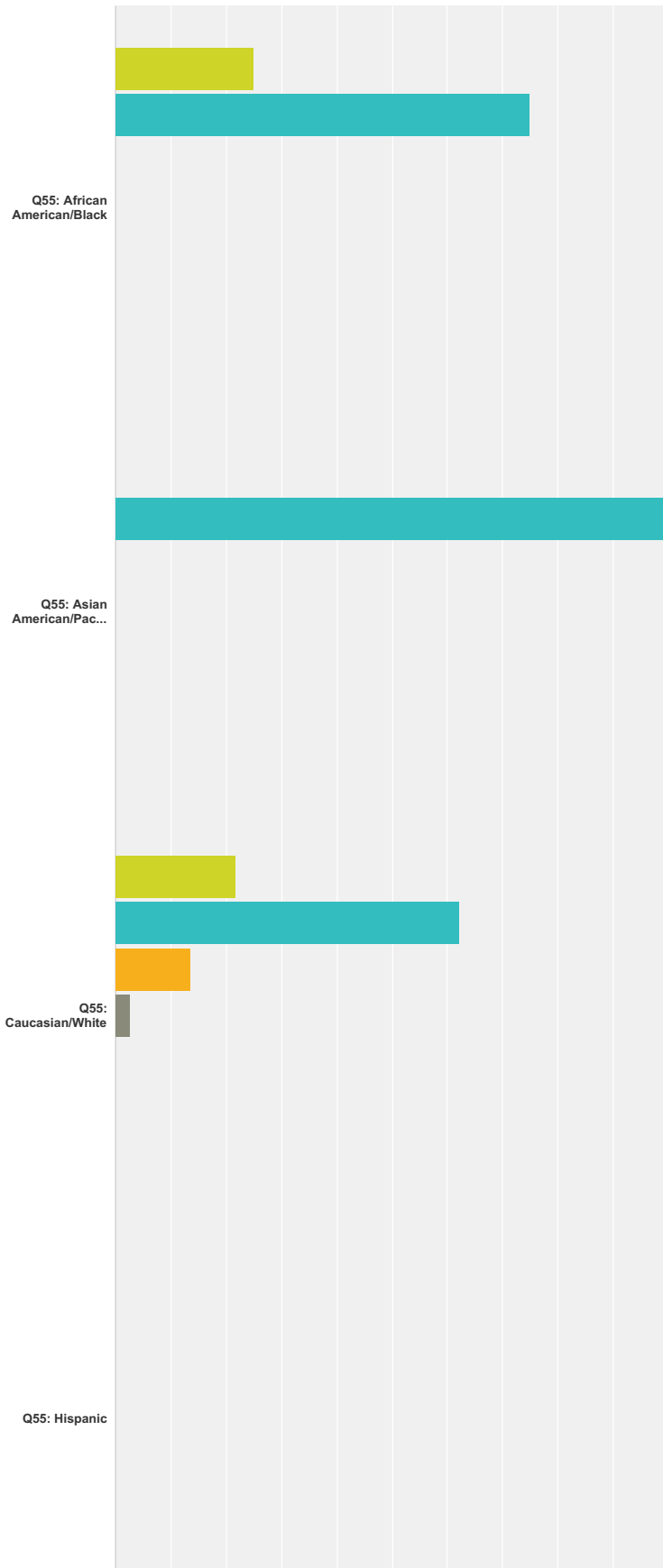


## Maryland High School Computer Science Survey (2014)

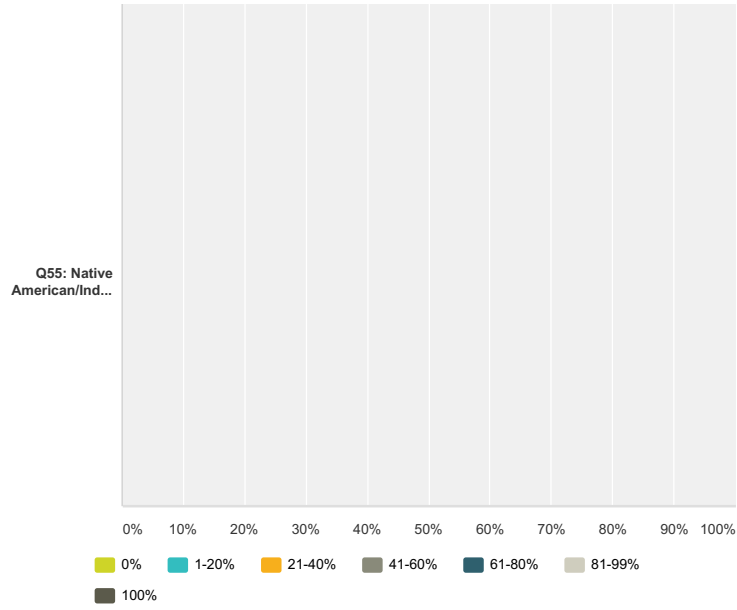
	1-10	11-25	26-50	51-100	101+	Total
Q55: African American/Black	25.00% 1	50.00% 2	25.00% 1	0.00% 0	0.00% 0	4
Q55: Asian American/Pacific Islander	50.00% 1	50.00% 1	0.00% 0	0.00% 0	0.00% 0	2
Q55: Caucasian/White	24.32% 9	37.84% 14	21.62% 8	13.51% 5	2.70% 1	37
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	11	17	9	5	1	43

**Q28 What percentage of students enrolled in AP CS are female?**

Answered: 43 Skipped: 23



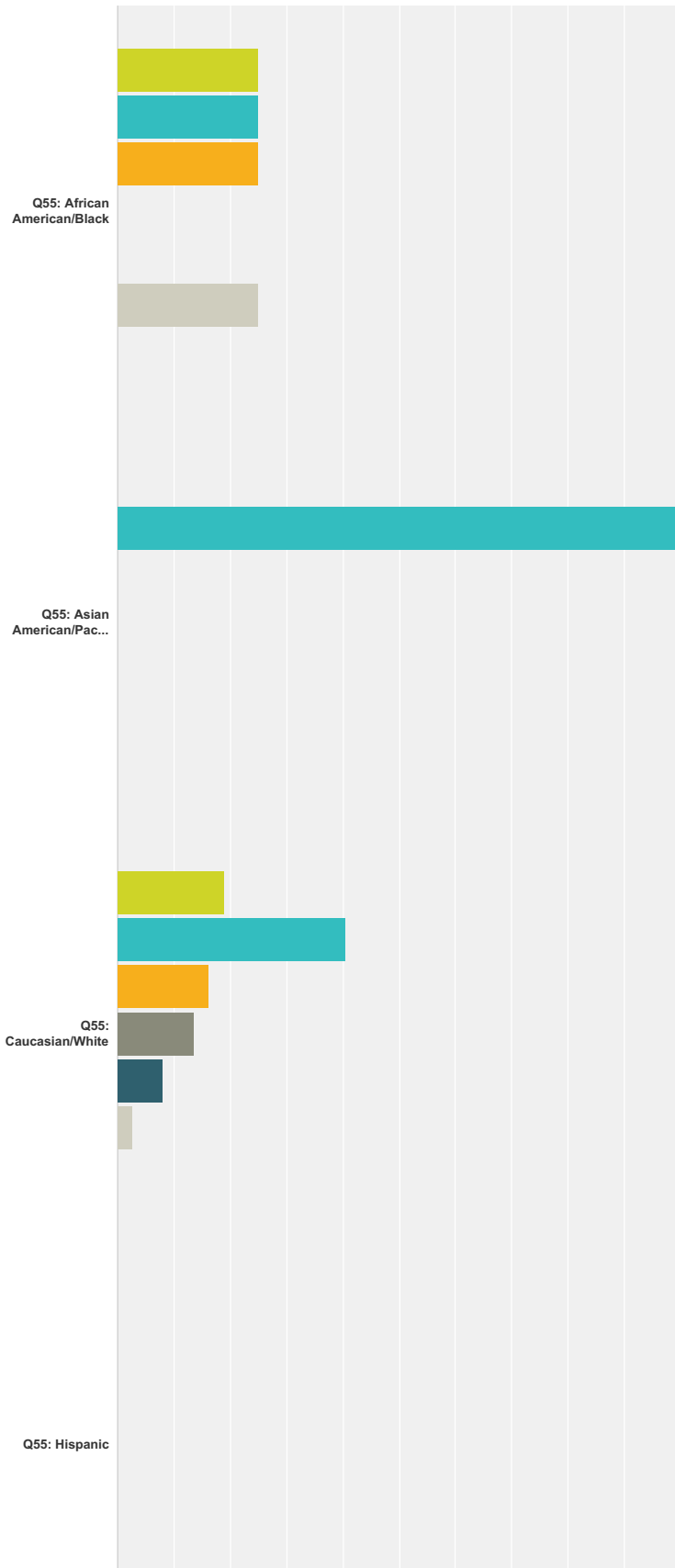
# Maryland High School Computer Science Survey (2014)



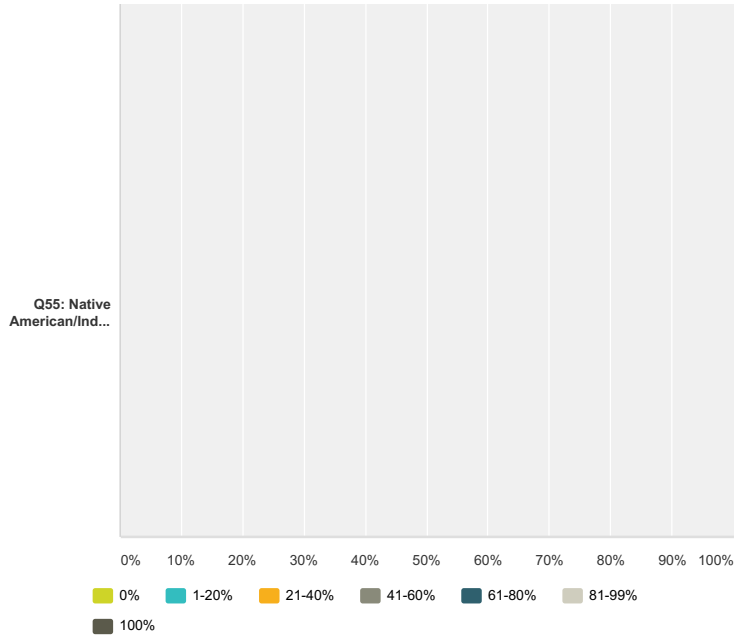
	0%	1-20%	21-40%	41-60%	61-80%	81-99%	100%	Total
Q55: African American/Black	25.00% 1	75.00% 3	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	4
Q55: Asian American/Pacific Islander	0.00% 0	100.00% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	2
Q55: Caucasian/White	21.62% 8	62.16% 23	13.51% 5	2.70% 1	0.00% 0	0.00% 0	0.00% 0	37
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	9	28	5	1	0	0	0	43

**Q29 What percentage of students enrolled in AP CS are members of an ethnic minority?**

Answered: 43 Skipped: 23



# Maryland High School Computer Science Survey (2014)

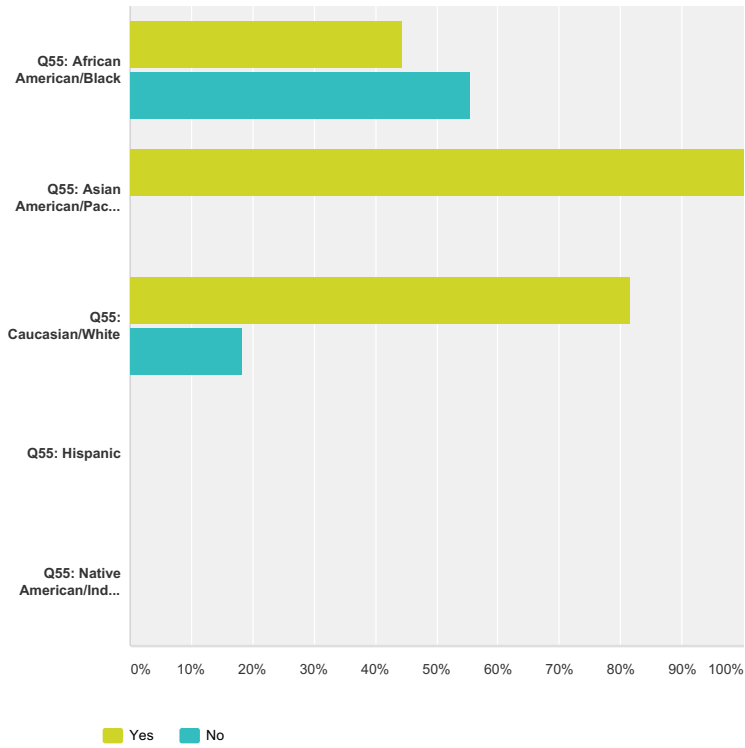


	0%	1-20%	21-40%	41-60%	61-80%	81-99%	100%	Total
Q55: African American/Black	25.00% 1	25.00% 1	25.00% 1	0.00% 0	0.00% 0	25.00% 1	0.00% 0	4
Q55: Asian American/Pacific Islander	0.00% 0	100.00% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	2
Q55: Caucasian/White	18.92% 7	40.54% 15	16.22% 6	13.51% 5	8.11% 3	2.70% 1	0.00% 0	37
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	8	18	7	5	3	2	0	43

# Maryland High School Computer Science Survey (2014)

## Q30 Does your school offer CS/IT courses other than introductory and AP Computer Science?

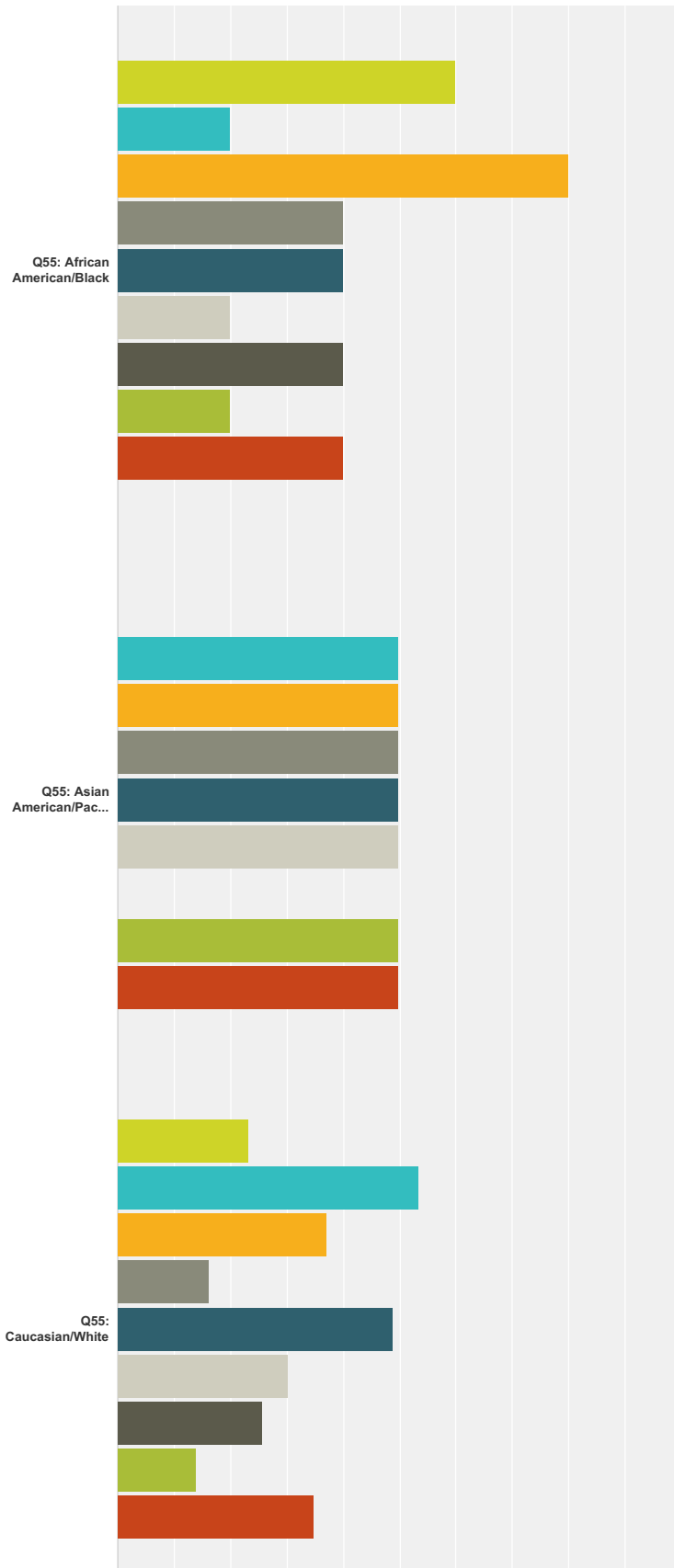
Answered: 60 Skipped: 6



	Yes	No	Total
Q55: African American/Black	44.44% 4	55.56% 5	9
Q55: Asian American/Pacific Islander	100.00% 2	0.00% 0	2
Q55: Caucasian/White	81.63% 40	18.37% 9	49
Q55: Hispanic	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	46	14	60

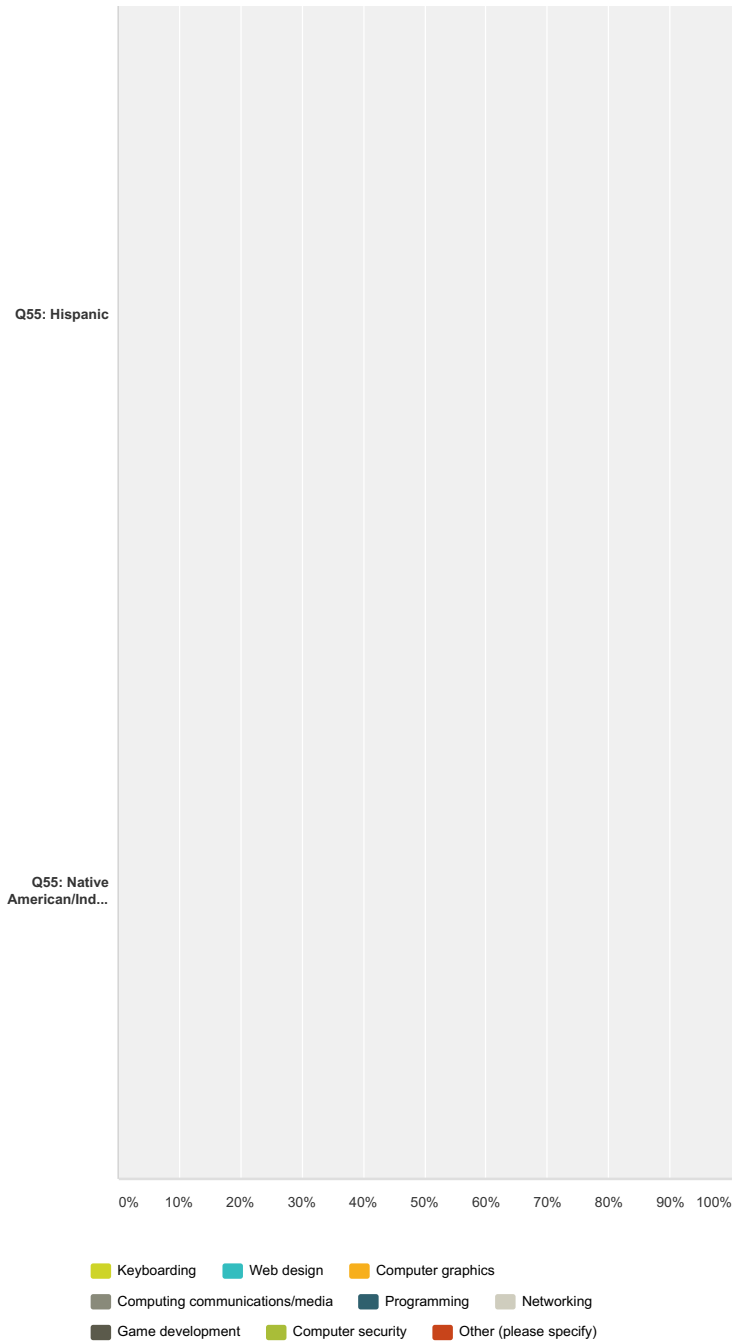
**Q31 If your school offers other CS/IT courses, which of the following are offered?  
(Check all that apply.)**

Answered: 50 Skipped: 16





# Maryland High School Computer Science Survey (2014)

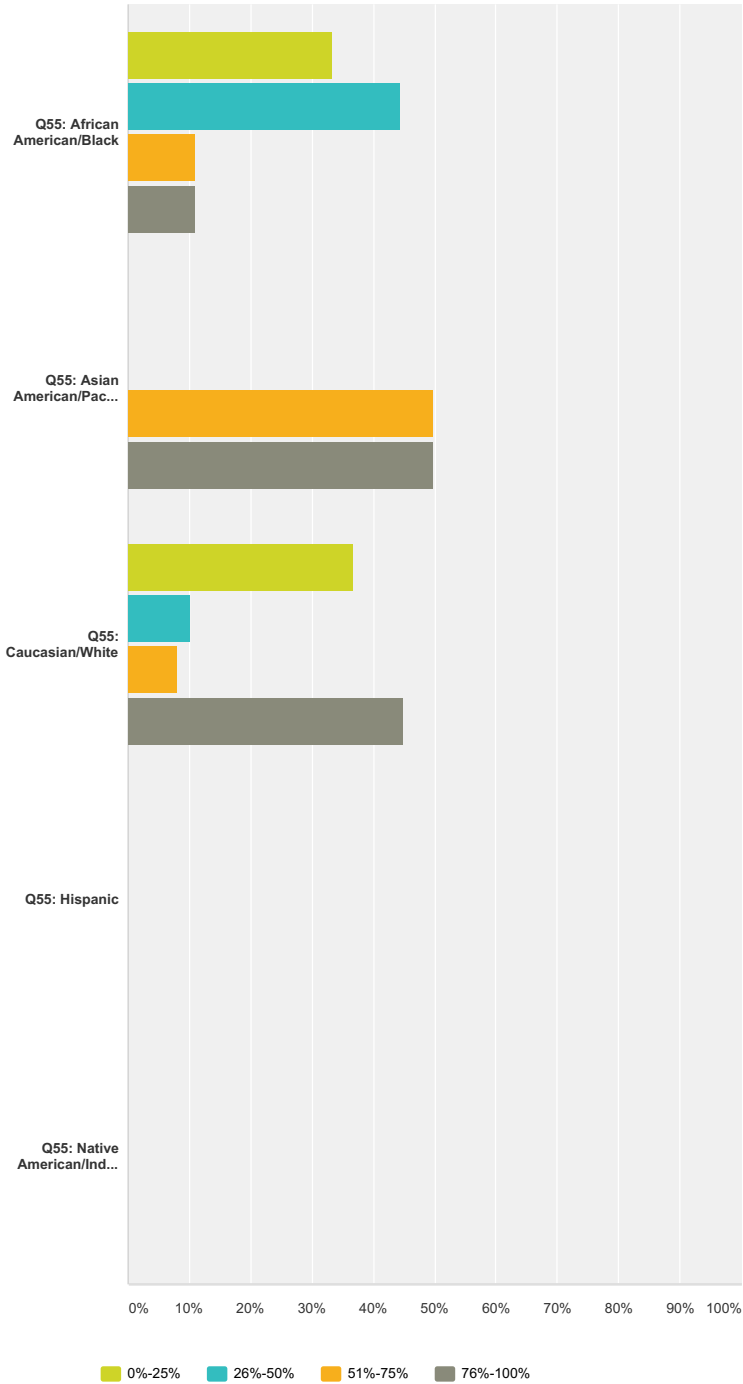


	Keyboarding	Web design	Computer graphics	Computing communications/media	Programming	Networking	Game development	Computer security	Other (please specify)	Total
Q55: African American/Black	60.00% 3	20.00% 1	80.00% 4	40.00% 2	40.00% 2	20.00% 1	40.00% 2	20.00% 1	40.00% 2	18
Q55: Asian American/Pacific Islander	0.00% 0	50.00% 1	50.00% 1	50.00% 1	50.00% 1	50.00% 1	0.00% 0	50.00% 1	50.00% 1	7
Q55: Caucasian/White	23.26% 10	53.49% 23	37.21% 16	16.28% 7	48.84% 21	30.23% 13	25.58% 11	13.95% 6	34.88% 15	122
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	13	25	21	10	24	15	13	8	18	50

# Maryland High School Computer Science Survey (2014)

## Q32 In a typical year, what percentage of the courses you teach are CS/IT courses?

Answered: 60 Skipped: 6



	0%-25%	26%-50%	51%-75%	76%-100%	Total
Q55: African American/Black	33.33% 3	44.44% 4	11.11% 1	11.11% 1	9
Q55: Asian American/Pacific Islander	0.00% 0	0.00% 0	50.00% 1	50.00% 1	2
Q55: Caucasian/White	36.73% 18	10.20% 5	8.16% 4	44.90% 22	49
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0

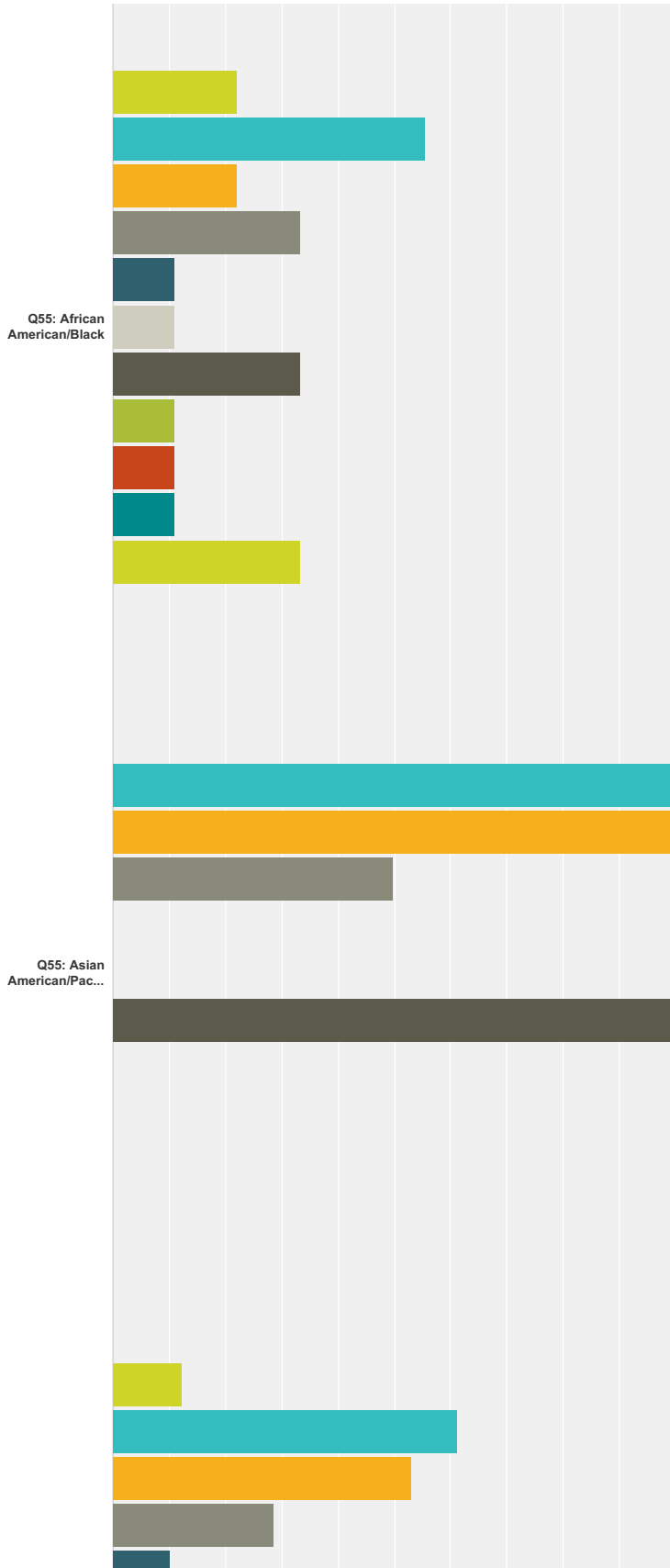
# Maryland High School Computer Science Survey (2014)

Total Respondents	21	9	6	24	60
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# Maryland High School Computer Science Survey (2014)

**Q33 Which of the following courses have you taught in the past three years? (Check all that apply.)**

Answered: 60 Skipped: 6



# Maryland High School Computer Science Survey (2014)



# Maryland High School Computer Science Survey (2014)

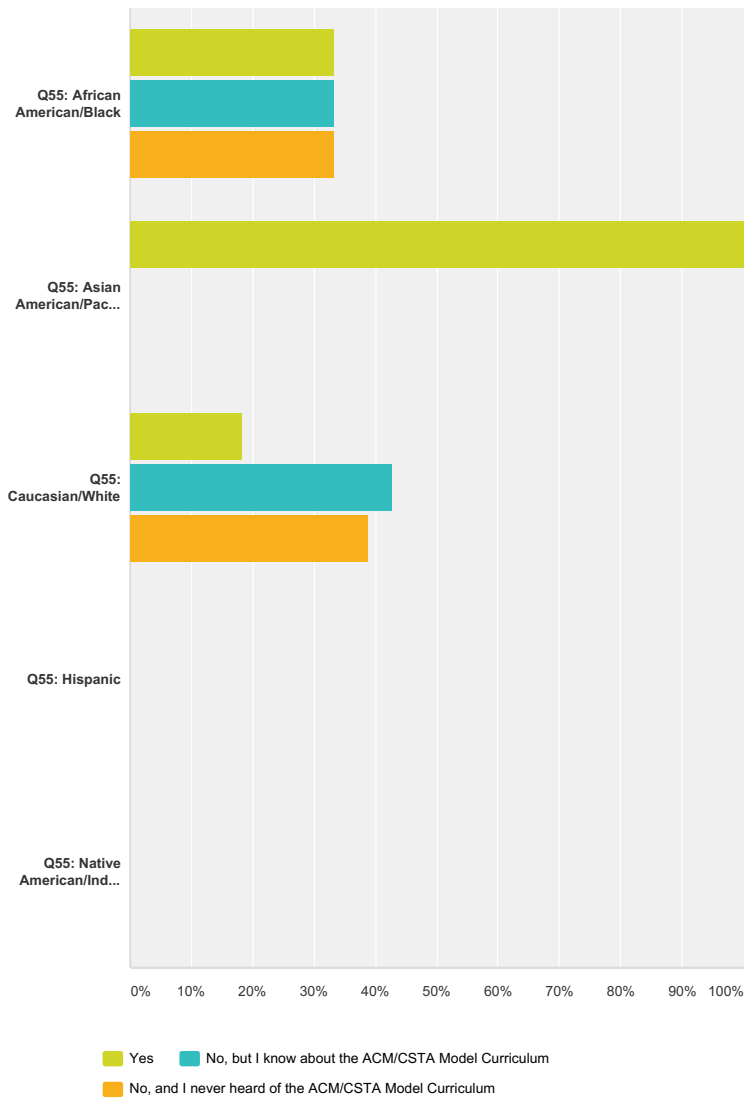
■ Keyboarding   
 ■ Introductory CS   
 ■ AP CS   
 ■ Web design  
■ Computer graphics   
 ■ Computing communications/media   
 ■ Programming  
■ Networking   
 ■ Game development   
 ■ Computer security   
■ Other (please specify)

	Keyboarding	Introductory CS	AP CS	Web design	Computer graphics	Computing communications/media	Programming	Networking	Game development	Computer security	Other (please specify)	Total
Q55: African American/Black	22.22% 2	55.56% 5	22.22% 2	33.33% 3	11.11% 1	11.11% 1	33.33% 3	11.11% 1	11.11% 1	11.11% 1	33.33% 3	23
Q55: Asian American/Pacific Islander	0.00% 0	100.00% 2	100.00% 2	50.00% 1	0.00% 0	0.00% 0	100.00% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	7
Q55: Caucasian/White	12.24% 6	61.22% 30	53.06% 26	28.57% 14	10.20% 5	6.12% 3	59.18% 29	10.20% 5	14.29% 7	4.08% 2	34.69% 17	144
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	8	37	30	18	6	4	34	6	8	3	20	60

# Maryland High School Computer Science Survey (2014)

## Q34 Do you use all or part of the standard curriculum as outlined in the ACM/CSTA Model Curriculum for K-12 Computer Science?

Answered: 60 Skipped: 6

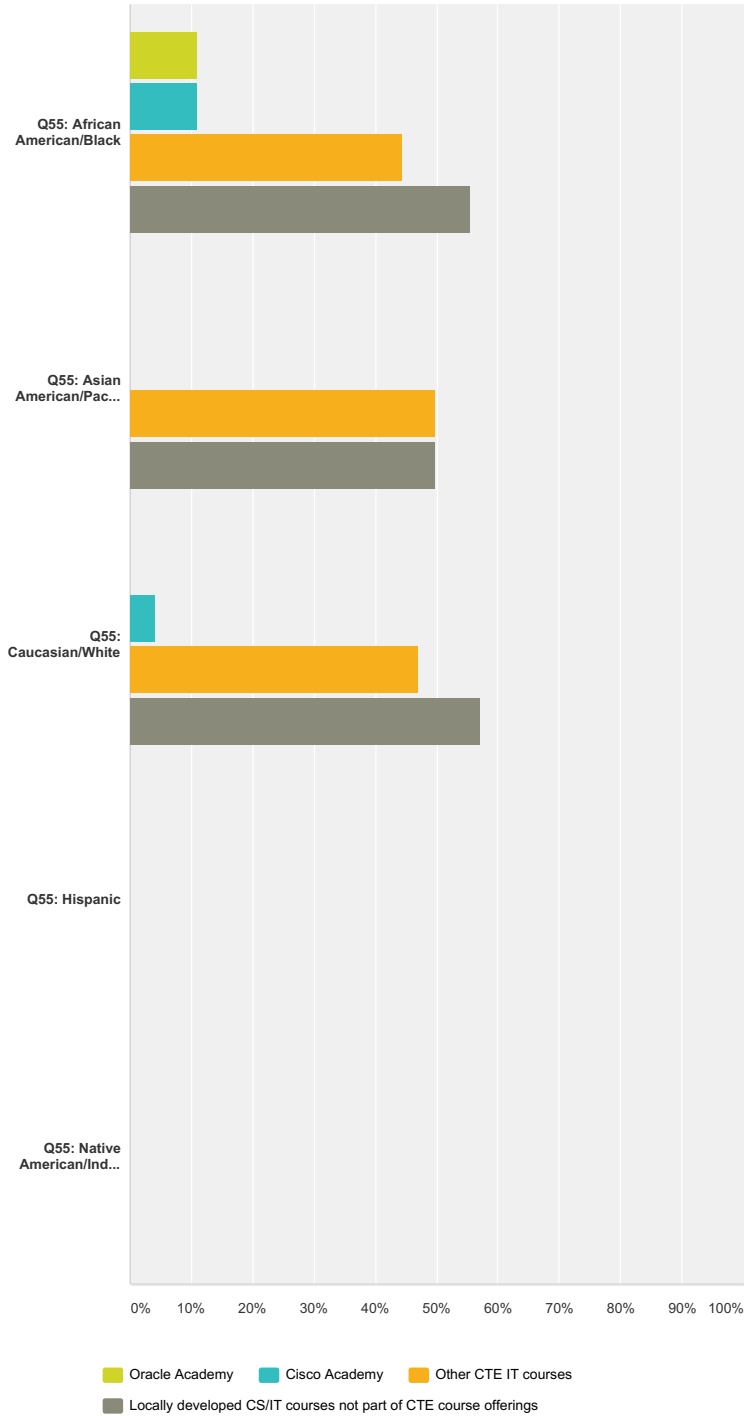


	Yes	No, but I know about the ACM/CSTA Model Curriculum	No, and I never heard of the ACM/CSTA Model Curriculum	Total
Q55: African American/Black	33.33% 3	33.33% 3	33.33% 3	9
Q55: Asian American/Pacific Islander	100.00% 2	0.00% 0	0.00% 0	2
Q55: Caucasian/White	18.37% 9	42.86% 21	38.78% 19	49
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	14	24	22	60

# Maryland High School Computer Science Survey (2014)

## Q35 Are the courses that you teach part of any of the following? (Check all that apply.)

Answered: 60 Skipped: 6



	Oracle Academy	Cisco Academy	Other CTE IT courses	Locally developed CS/IT courses not part of CTE course offerings	Total
Q55: African American/Black	11.11% 1	11.11% 1	44.44% 4	55.56% 5	11
Q55: Asian American/Pacific Islander	0.00% 0	0.00% 0	50.00% 1	50.00% 1	2
Q55: Caucasian/White	0.00% 0	4.08% 2	46.94% 23	57.14% 28	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0



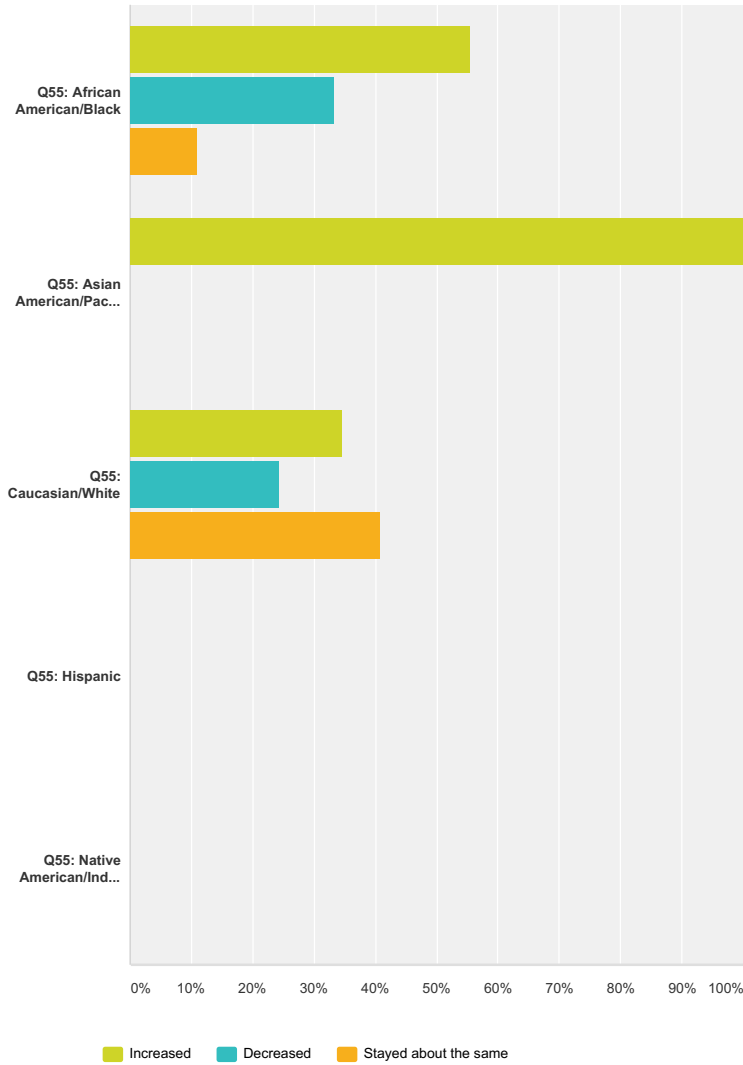
# Maryland High School Computer Science Survey (2014)

Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	1	3	28	34	60

# Maryland High School Computer Science Survey (2014)

## Q36 How has the number of CS/IT classes (total number of sections) taught at your school changed over the past three (3) years?

Answered: 60 Skipped: 6

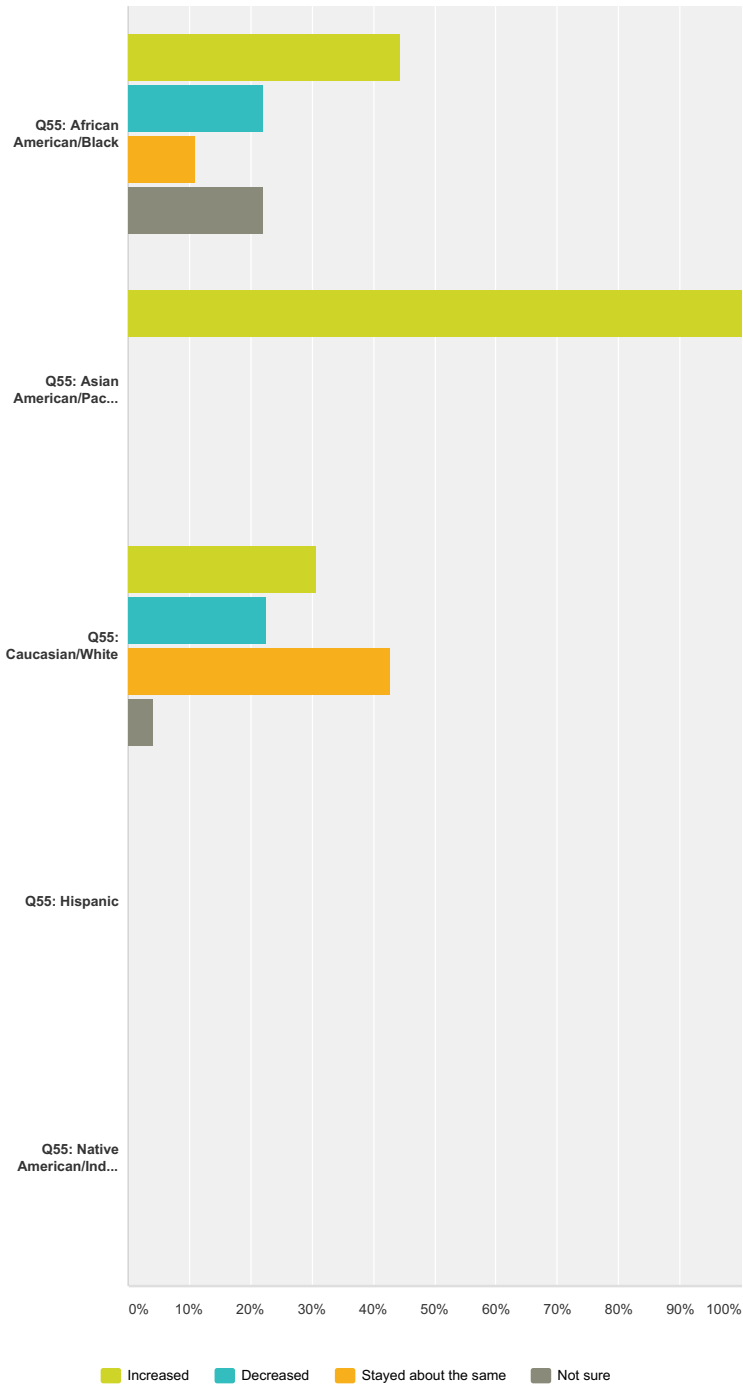


	Increased	Decreased	Stayed about the same	Total
Q55: African American/Black	55.56% 5	33.33% 3	11.11% 1	9
Q55: Asian American/Pacific Islander	100.00% 2	0.00% 0	0.00% 0	2
Q55: Caucasian/White	34.69% 17	24.49% 12	40.82% 20	49
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	24	15	21	60
	<b>Comments:</b>			<b>Total</b>
Q55: African American/Black				1
Q55: Asian American/Pacific Islander				0
Q55: Caucasian/White				6
Q55: Hispanic				0
Q55: Native American/Indigenous				0

# Maryland High School Computer Science Survey (2014)

## Q37 How has the number of students taking CS/IT classes changed in the last three years?

Answered: 60 Skipped: 6



	Increased	Decreased	Stayed about the same	Not sure	Total
Q55: African American/Black	44.44% 4	22.22% 2	11.11% 1	22.22% 2	9
Q55: Asian American/Pacific Islander	100.00% 2	0.00% 0	0.00% 0	0.00% 0	2
Q55: Caucasian/White	30.61% 15	22.45% 11	42.86% 21	4.08% 2	49
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0

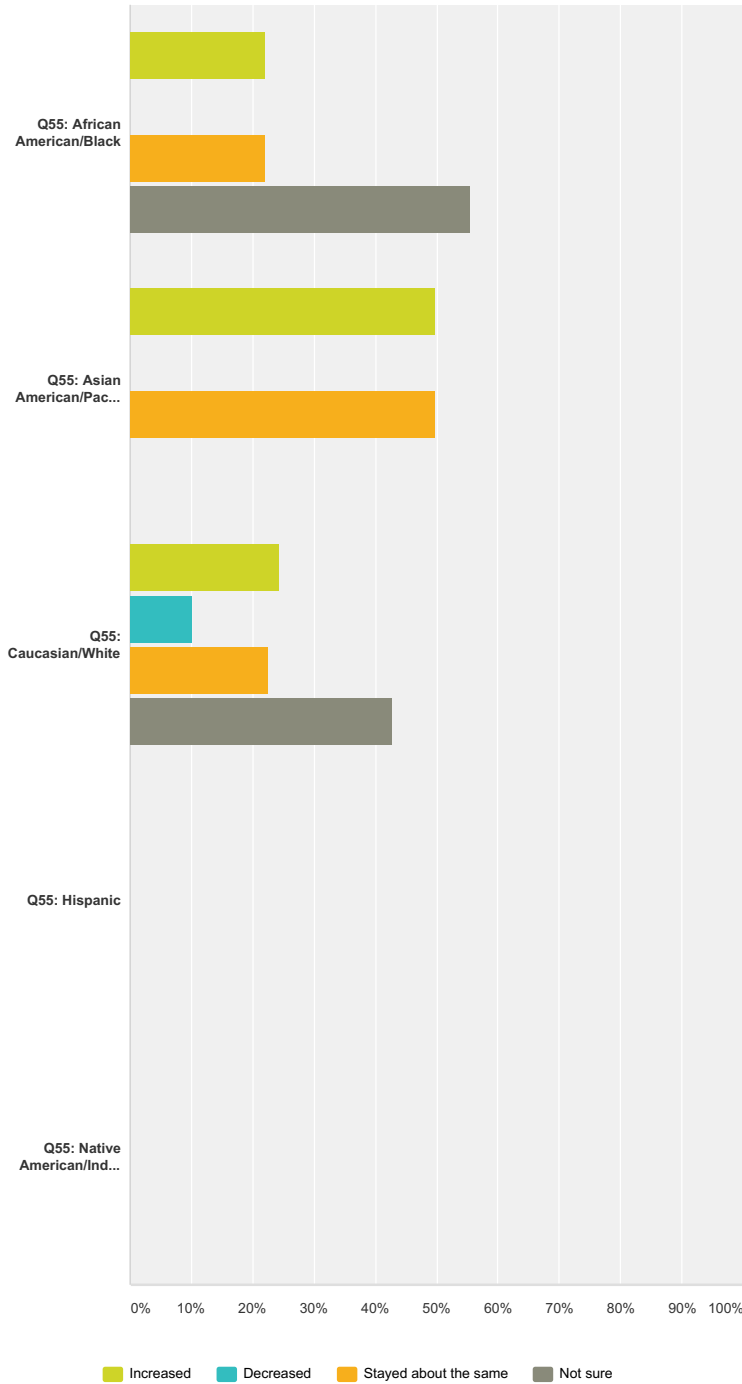
# Maryland High School Computer Science Survey (2014)

Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	21	13	22	4	60

# Maryland High School Computer Science Survey (2014)

**Q38 Has the number of students who request to take CS/IT classes but are not placed into those classes changed in the last three years?**

Answered: 60 Skipped: 6



	Increased	Decreased	Stayed about the same	Not sure	Total
Q55: African American/Black	22.22% 2	0.00% 0	22.22% 2	55.56% 5	9
Q55: Asian American/Pacific Islander	50.00% 1	0.00% 0	50.00% 1	0.00% 0	2
Q55: Caucasian/White	24.49% 12	10.20% 5	22.45% 11	42.86% 21	49

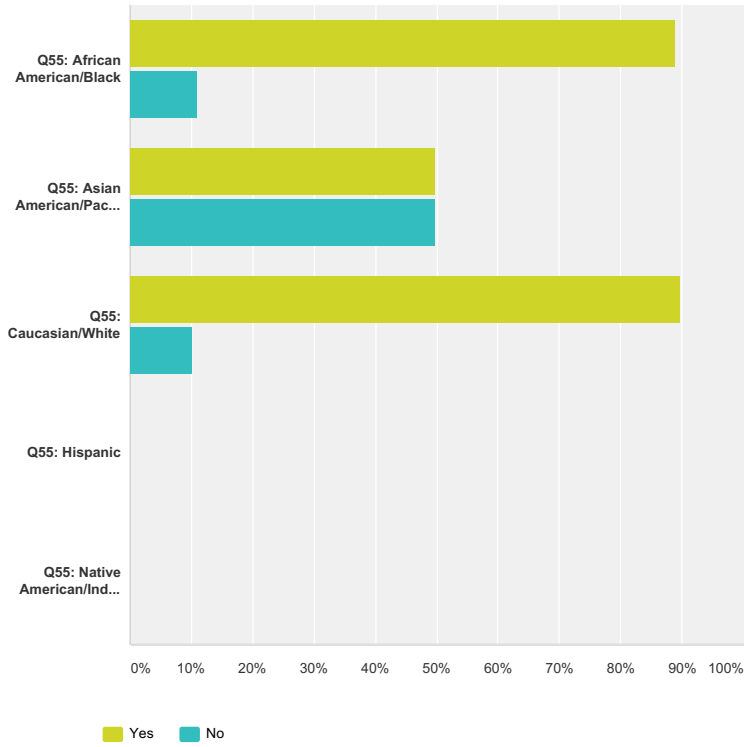
# Maryland High School Computer Science Survey (2014)

Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	15	5	14	26	60

# Maryland High School Computer Science Survey (2014)

**Q39 In your judgement, do you think there are students who should be taking CS course(s) that your school offers, but who are not?**

Answered: 60 Skipped: 6

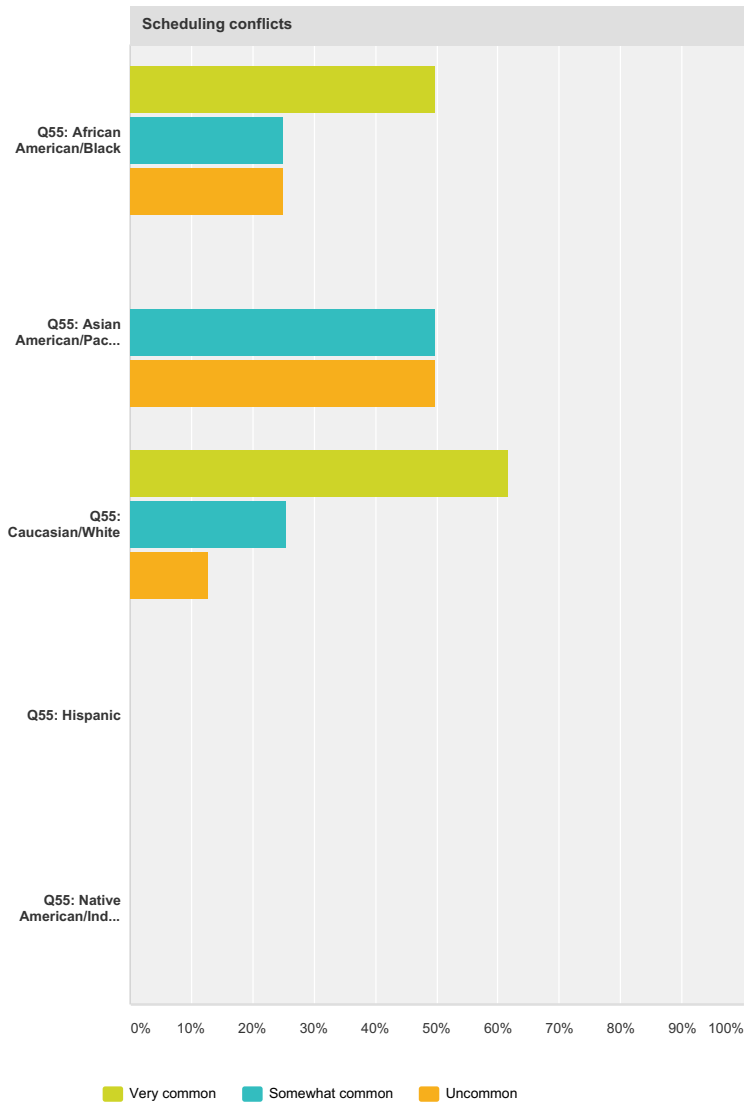


	Yes	No	Total
Q55: African American/Black	88.89% 8	11.11% 1	9
Q55: Asian American/Pacific Islander	50.00% 1	50.00% 1	2
Q55: Caucasian/White	89.80% 44	10.20% 5	49
Q55: Hispanic	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	53	7	60

# Maryland High School Computer Science Survey (2014)

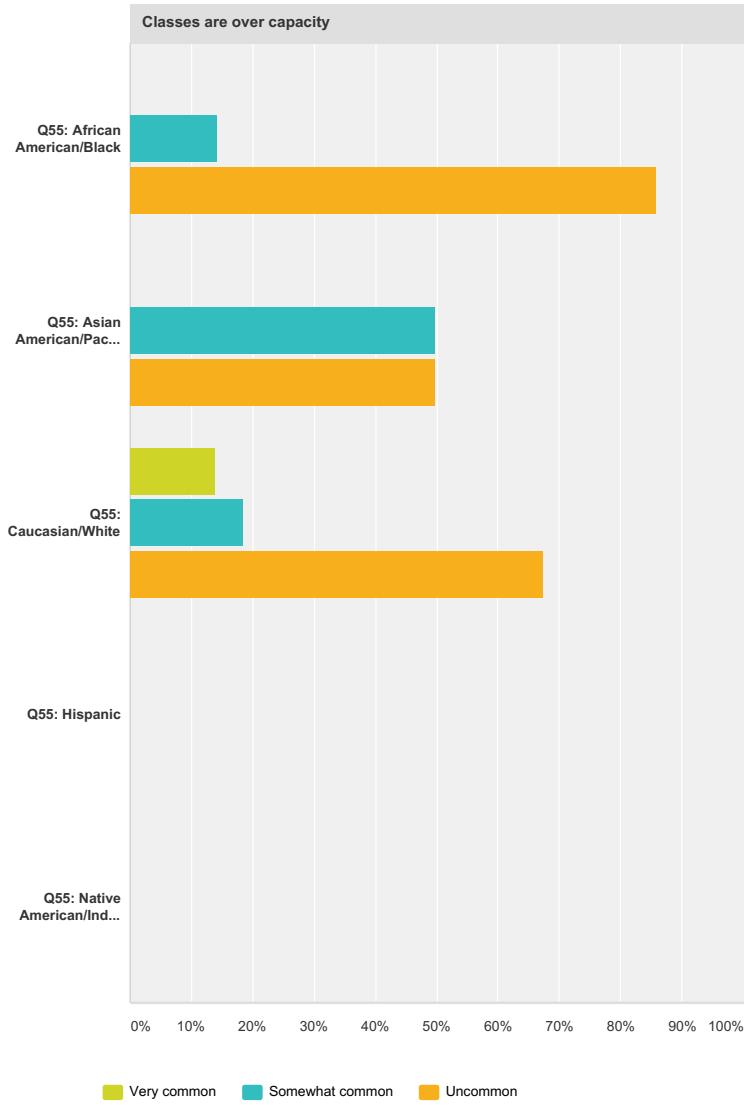
## Q40 Why are these students not taking the CS courses your school offers? (Rate each reason.)

Answered: 60 Skipped: 6

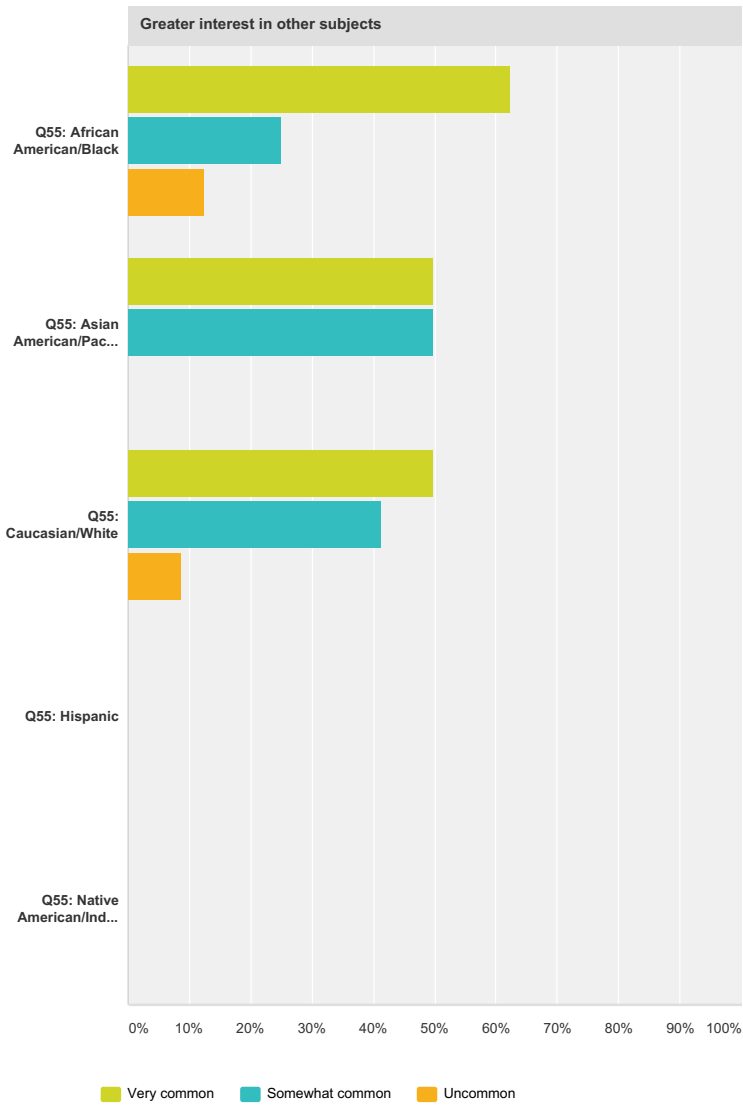




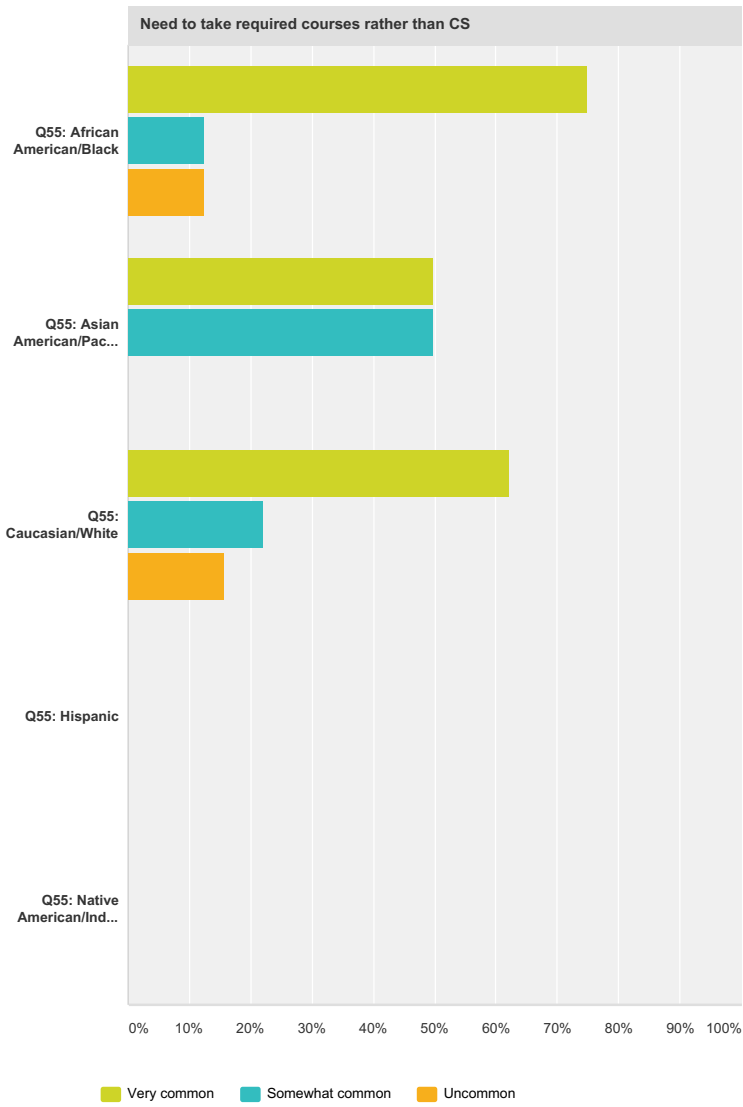
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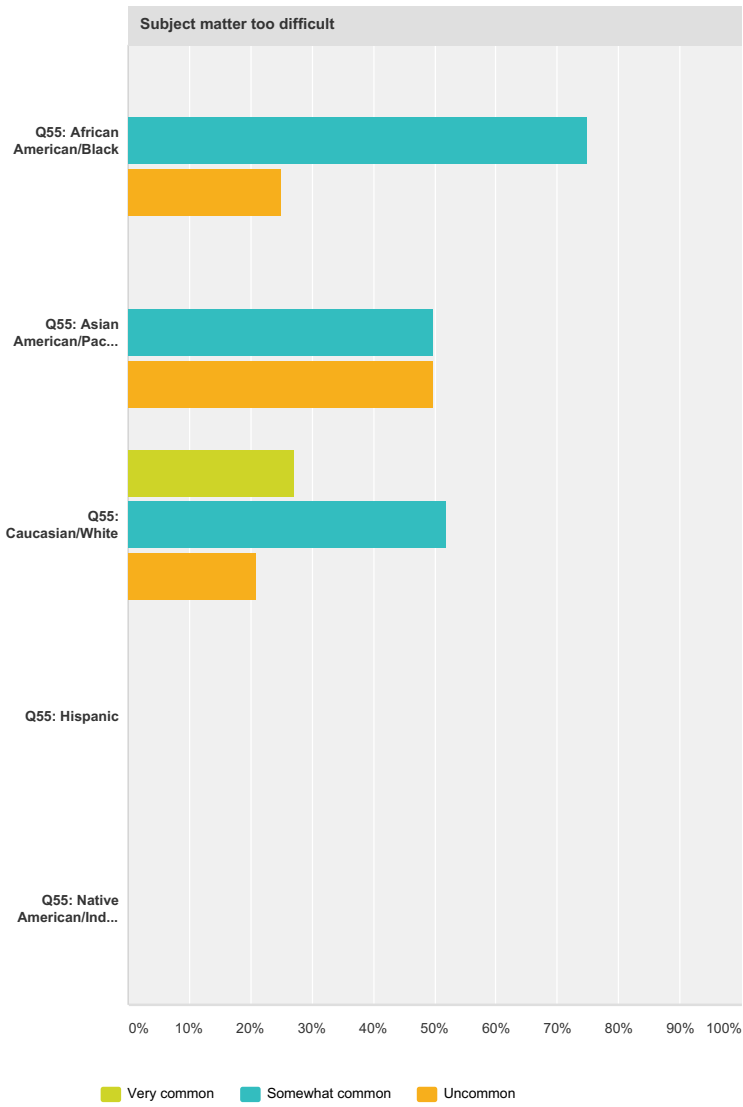
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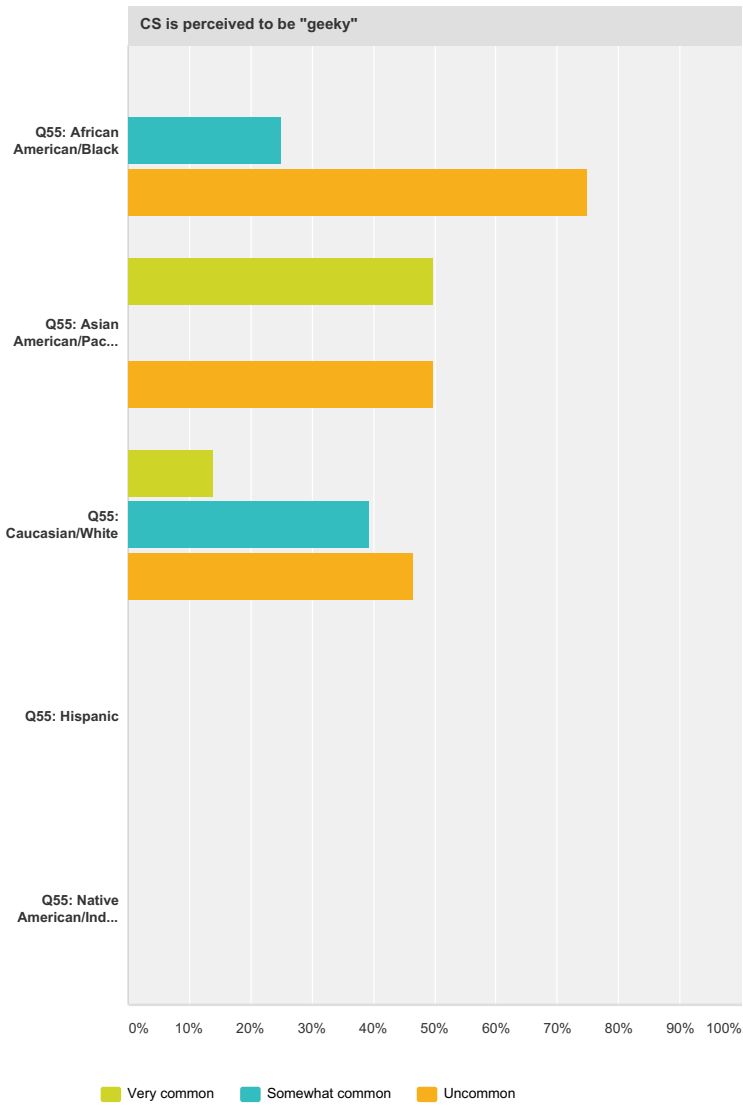
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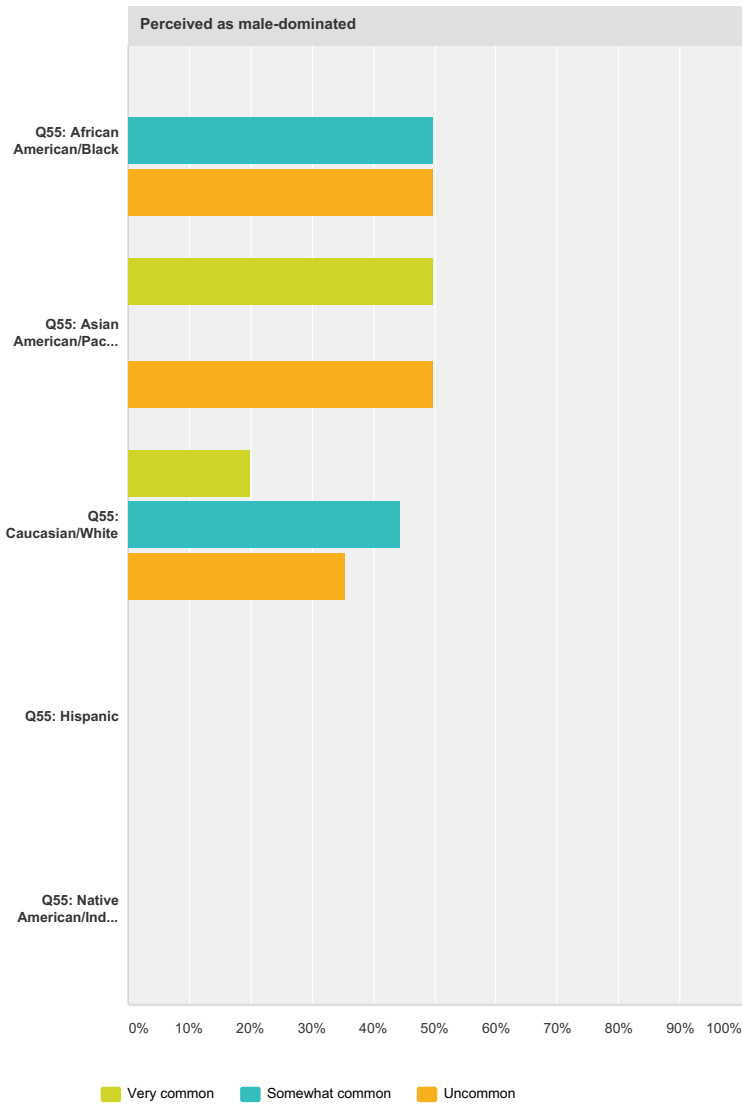
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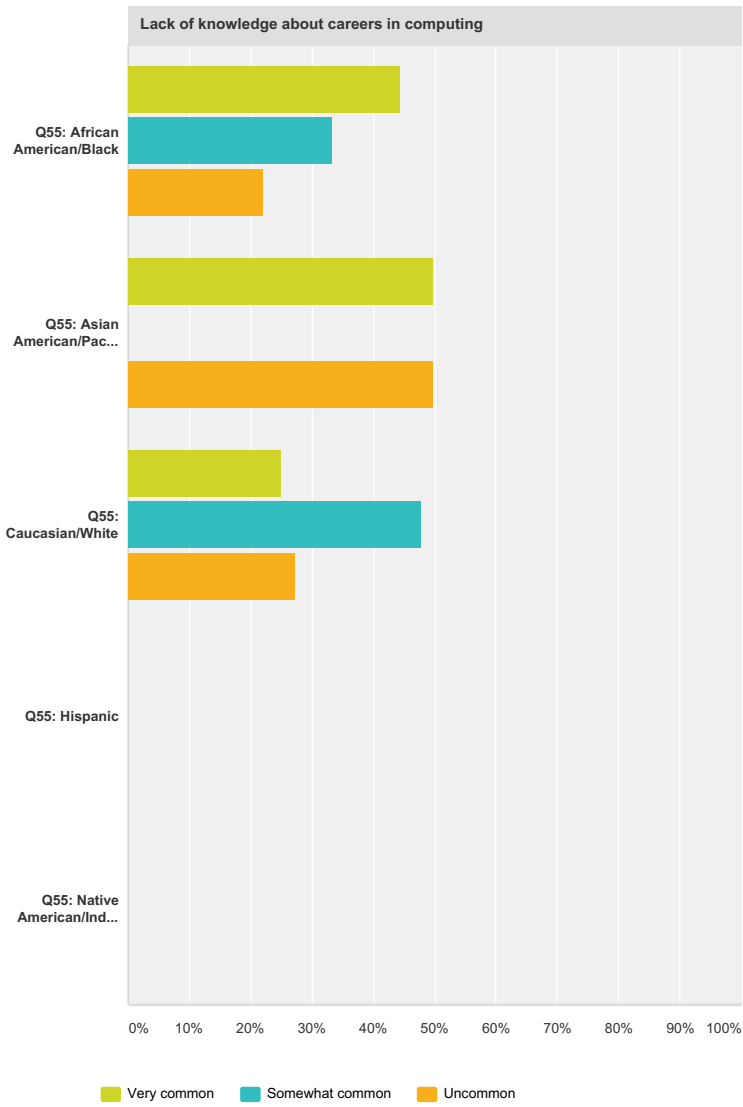
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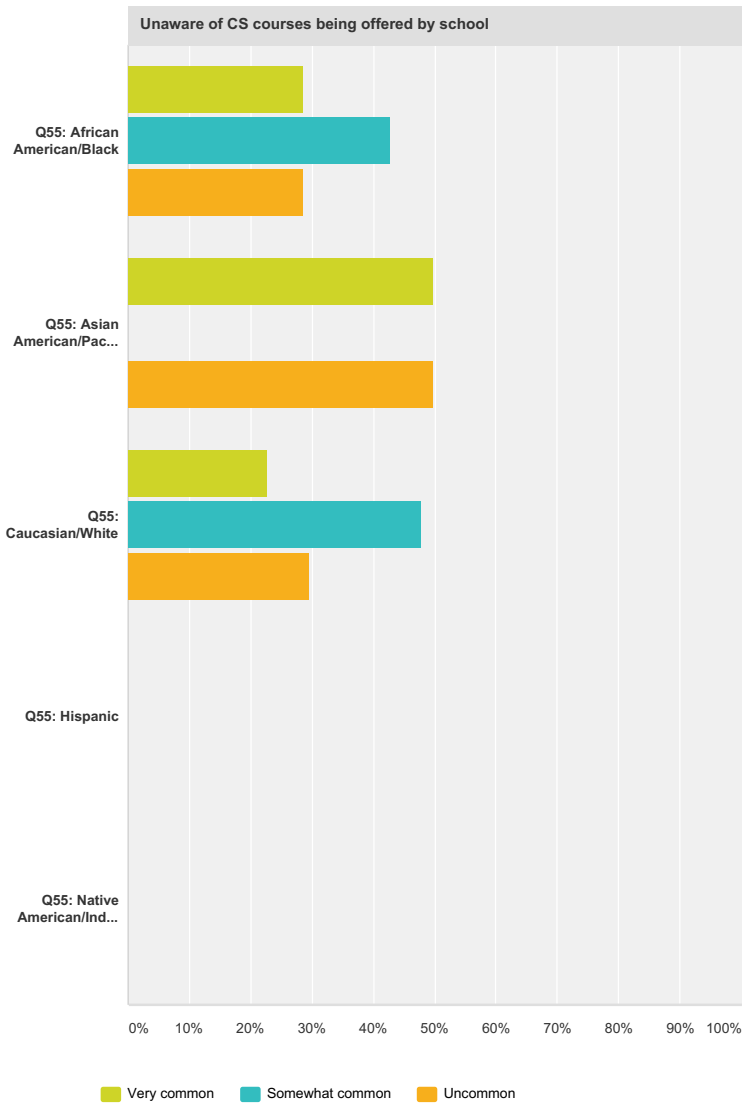
# Maryland High School Computer Science Survey (2014)



# Maryland High School Computer Science Survey (2014)

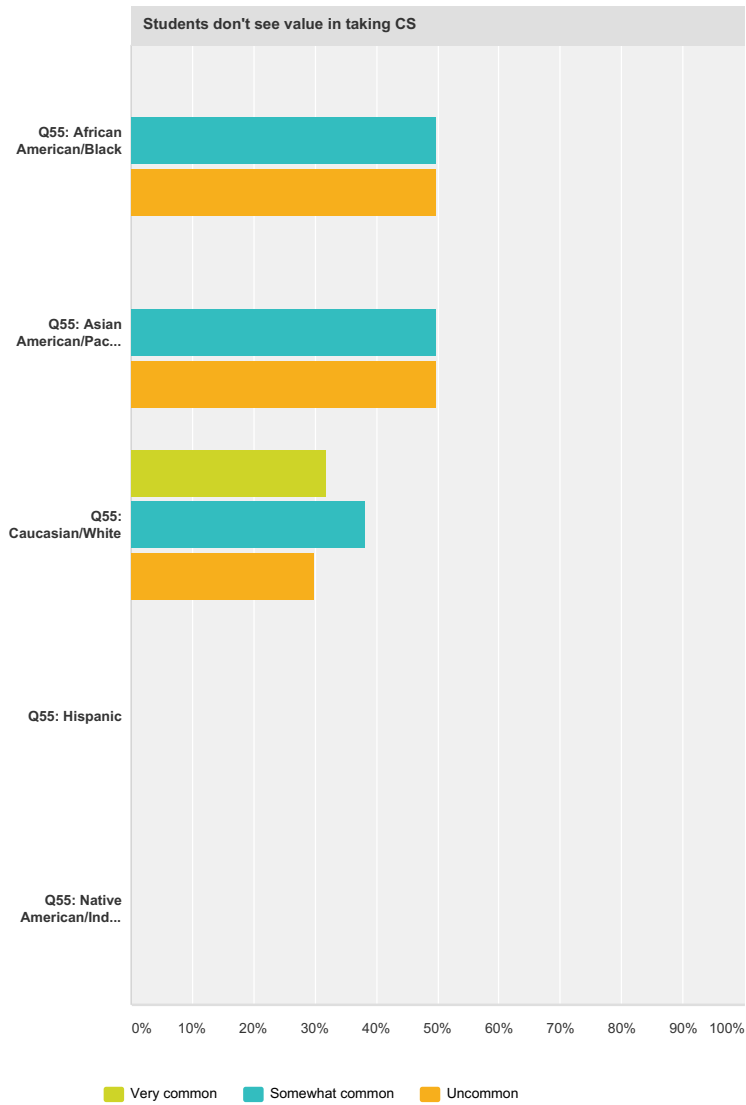


# Maryland High School Computer Science Survey (2014)





# Maryland High School Computer Science Survey (2014)



Scheduling conflicts				
	Very common	Somewhat common	Uncommon	Total
Q55: African American/Black	50.00% 4	25.00% 2	25.00% 2	8
Q55: Asian American/Pacific Islander	0.00% 0	50.00% 1	50.00% 1	2
Q55: Caucasian/White	61.70% 29	25.53% 12	12.77% 6	47
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
Classes are over capacity				
	Very common	Somewhat common	Uncommon	Total
Q55: African American/Black	0.00% 0	14.29% 1	85.71% 6	7
Q55: Asian American/Pacific Islander	0.00% 0	50.00% 1	50.00% 1	2
Q55: Caucasian/White	13.95% 6	18.60% 8	67.44% 29	43
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
Greater interest in other subjects				
	Very common	Somewhat common	Uncommon	Total

## Maryland High School Computer Science Survey (2014)

Q55: African American/Black	62.50% 5	25.00% 2	12.50% 1	8
Q55: Asian American/Pacific Islander	50.00% 1	50.00% 1	0.00% 0	2
Q55: Caucasian/White	50.00% 23	41.30% 19	8.70% 4	46
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Need to take required courses rather than CS</b>				
	<b>Very common</b>	<b>Somewhat common</b>	<b>Uncommon</b>	<b>Total</b>
Q55: African American/Black	75.00% 6	12.50% 1	12.50% 1	8
Q55: Asian American/Pacific Islander	50.00% 1	50.00% 1	0.00% 0	2
Q55: Caucasian/White	62.22% 28	22.22% 10	15.56% 7	45
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Subject matter too difficult</b>				
	<b>Very common</b>	<b>Somewhat common</b>	<b>Uncommon</b>	<b>Total</b>
Q55: African American/Black	0.00% 0	75.00% 6	25.00% 2	8
Q55: Asian American/Pacific Islander	0.00% 0	50.00% 1	50.00% 1	2
Q55: Caucasian/White	27.08% 13	52.08% 25	20.83% 10	48
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>CS is perceived to be "geeky"</b>				
	<b>Very common</b>	<b>Somewhat common</b>	<b>Uncommon</b>	<b>Total</b>
Q55: African American/Black	0.00% 0	25.00% 2	75.00% 6	8
Q55: Asian American/Pacific Islander	50.00% 1	0.00% 0	50.00% 1	2
Q55: Caucasian/White	13.95% 6	39.53% 17	46.51% 20	43
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Perceived as male-dominated</b>				
	<b>Very common</b>	<b>Somewhat common</b>	<b>Uncommon</b>	<b>Total</b>
Q55: African American/Black	0.00% 0	50.00% 3	50.00% 3	6
Q55: Asian American/Pacific Islander	50.00% 1	0.00% 0	50.00% 1	2
Q55: Caucasian/White	20.00% 9	44.44% 20	35.56% 16	45
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Lack of knowledge about careers in computing</b>				
	<b>Very common</b>	<b>Somewhat common</b>	<b>Uncommon</b>	<b>Total</b>
Q55: African American/Black	44.44% 4	33.33% 3	22.22% 2	9
Q55: Asian American/Pacific Islander	50.00% 1	0.00% 0	50.00% 1	2

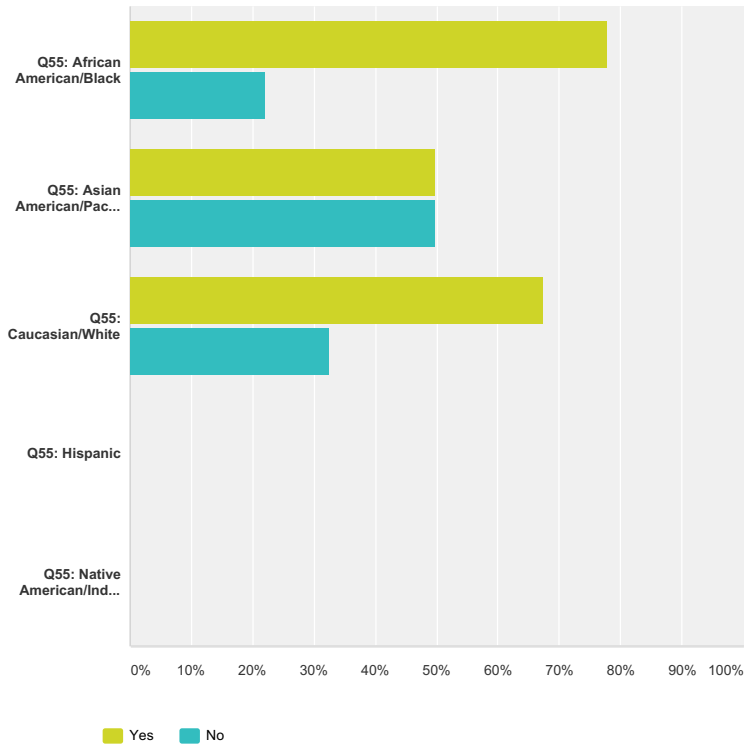
## Maryland High School Computer Science Survey (2014)

Q55: Caucasian/White	<b>25.00%</b> 11	<b>47.73%</b> 21	<b>27.27%</b> 12	44
Q55: Hispanic	<b>0.00%</b> 0	<b>0.00%</b> 0	<b>0.00%</b> 0	0
Q55: Native American/Indigenous	<b>0.00%</b> 0	<b>0.00%</b> 0	<b>0.00%</b> 0	0
<b>Unaware of CS courses being offered by school</b>				
	<b>Very common</b>	<b>Somewhat common</b>	<b>Uncommon</b>	<b>Total</b>
Q55: African American/Black	<b>28.57%</b> 2	<b>42.86%</b> 3	<b>28.57%</b> 2	7
Q55: Asian American/Pacific Islander	<b>50.00%</b> 1	<b>0.00%</b> 0	<b>50.00%</b> 1	2
Q55: Caucasian/White	<b>22.73%</b> 10	<b>47.73%</b> 21	<b>29.55%</b> 13	44
Q55: Hispanic	<b>0.00%</b> 0	<b>0.00%</b> 0	<b>0.00%</b> 0	0
Q55: Native American/Indigenous	<b>0.00%</b> 0	<b>0.00%</b> 0	<b>0.00%</b> 0	0
<b>Students don't see value in taking CS</b>				
	<b>Very common</b>	<b>Somewhat common</b>	<b>Uncommon</b>	<b>Total</b>
Q55: African American/Black	<b>0.00%</b> 0	<b>50.00%</b> 4	<b>50.00%</b> 4	8
Q55: Asian American/Pacific Islander	<b>0.00%</b> 0	<b>50.00%</b> 1	<b>50.00%</b> 1	2
Q55: Caucasian/White	<b>31.91%</b> 15	<b>38.30%</b> 18	<b>29.79%</b> 14	47
Q55: Hispanic	<b>0.00%</b> 0	<b>0.00%</b> 0	<b>0.00%</b> 0	0
Q55: Native American/Indigenous	<b>0.00%</b> 0	<b>0.00%</b> 0	<b>0.00%</b> 0	0

# Maryland High School Computer Science Survey (2014)

## Q41 In your judgement, do you think that your school should offer more CS courses?

Answered: 60 Skipped: 6



	Yes	No	Total
Q55: African American/Black	77.78% 7	22.22% 2	9
Q55: Asian American/Pacific Islander	50.00% 1	50.00% 1	2
Q55: Caucasian/White	67.35% 33	32.65% 16	49
Q55: Hispanic	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	41	19	60

# Maryland High School Computer Science Survey (2014)

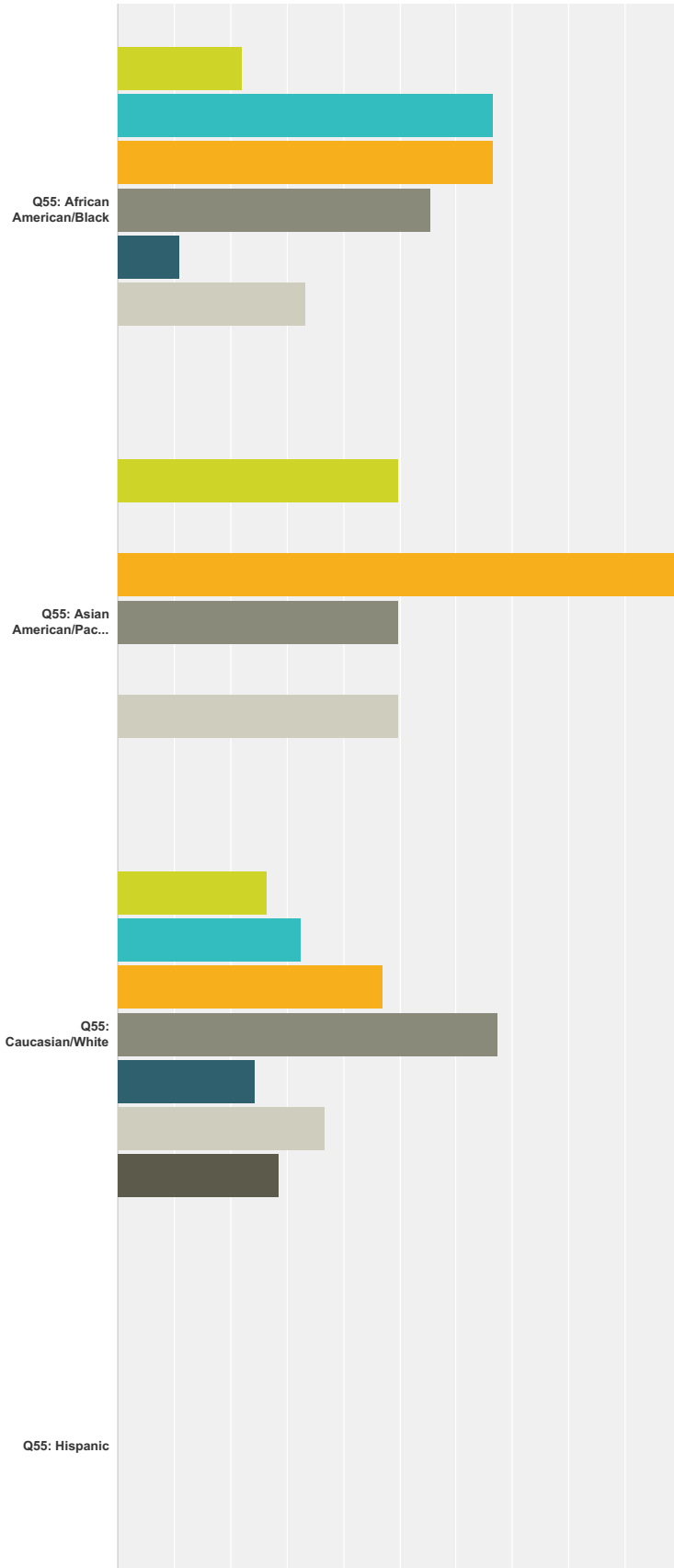
## Q42 If yes, what CS courses should be added?

Answered: 39 Skipped: 27

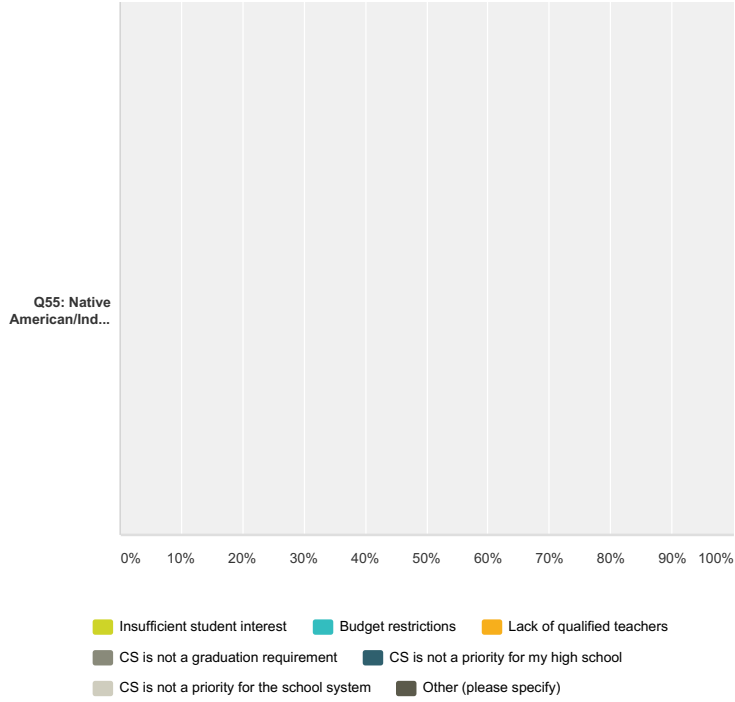
	If yes, what CS courses should be added?	Total
Q55: African American/Black	100.00% 6	6
Q55: Asian American/Pacific Islander	100.00% 1	1
Q55: Caucasian/White	100.00% 32	32
Q55: Hispanic	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0
<b>Total Respondents</b>	39	39

**Q43 What are some of the reasons why your school does not offer more computer science courses? (Check all that apply.)**

Answered: 60 Skipped: 6



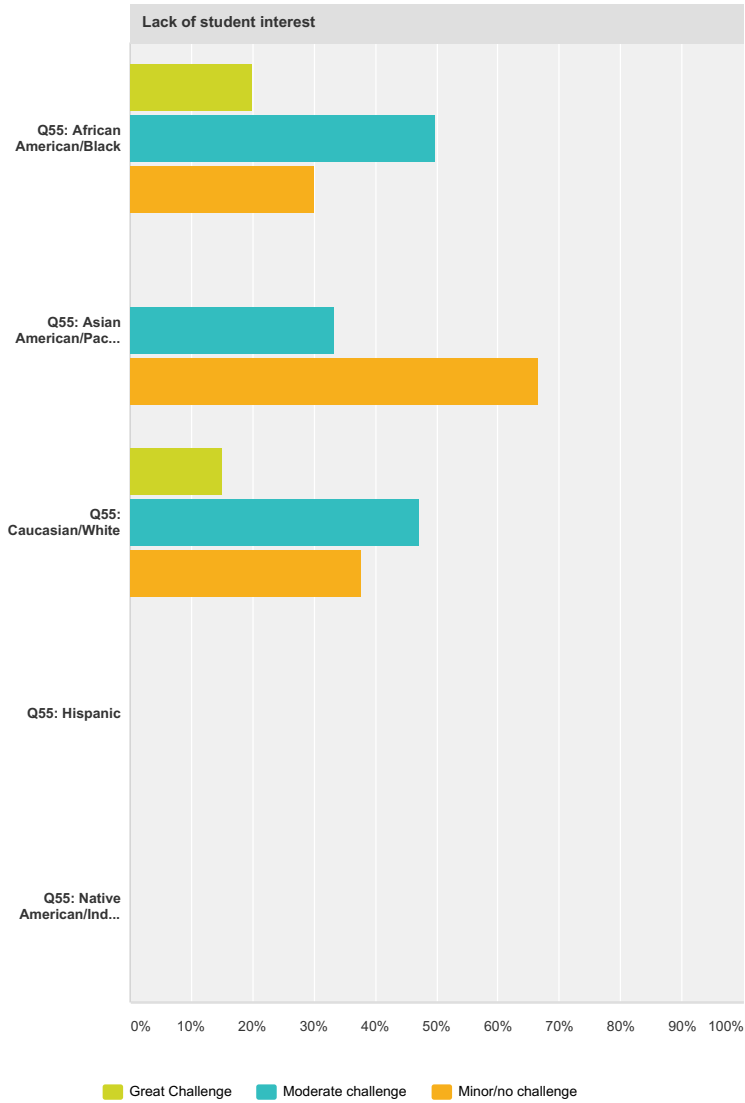
# Maryland High School Computer Science Survey (2014)



	Insufficient student interest	Budget restrictions	Lack of qualified teachers	CS is not a graduation requirement	CS is not a priority for my high school	CS is not a priority for the school system	Other (please specify)	Total
Q55: African American/Black	22.22% 2	66.67% 6	66.67% 6	55.56% 5	11.11% 1	33.33% 3	0.00% 0	23
Q55: Asian American/Pacific Islander	50.00% 1	0.00% 0	100.00% 2	50.00% 1	0.00% 0	50.00% 1	0.00% 0	5
Q55: Caucasian/White	26.53% 13	32.65% 16	46.94% 23	67.35% 33	24.49% 12	36.73% 18	28.57% 14	129
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	16	22	31	39	13	22	14	60

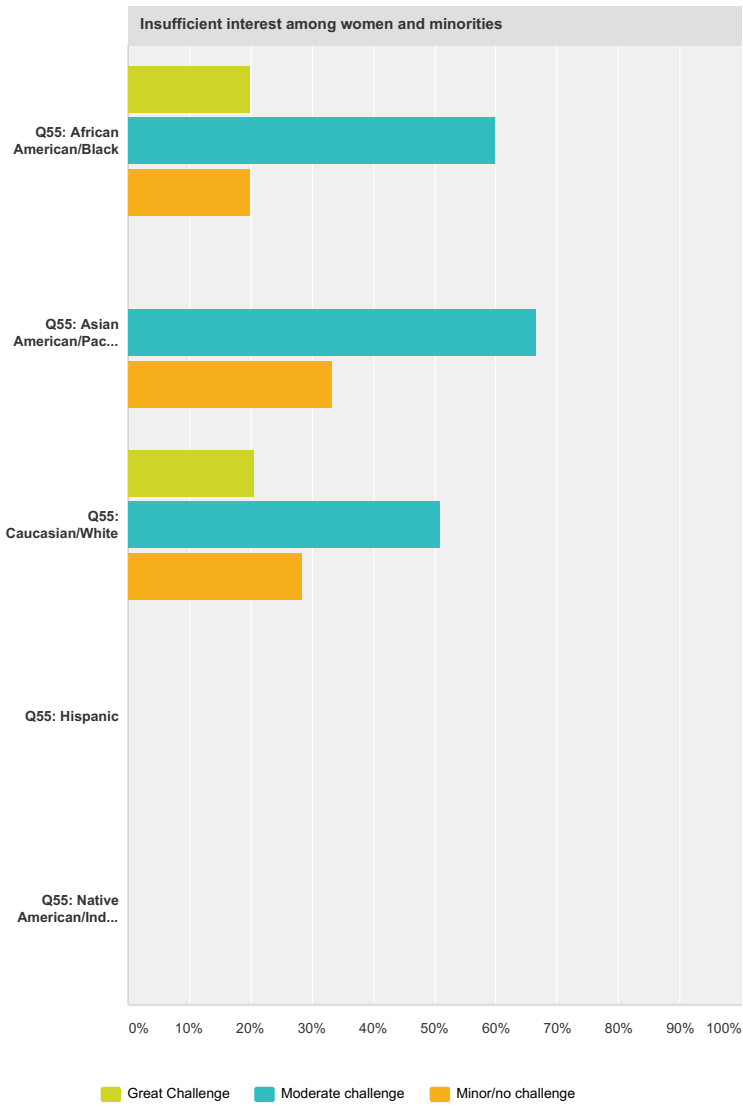
**Q44 What do you perceive as the greatest challenges in teaching CS? (Please rate each challenge.)**

Answered: 66 Skipped: 0

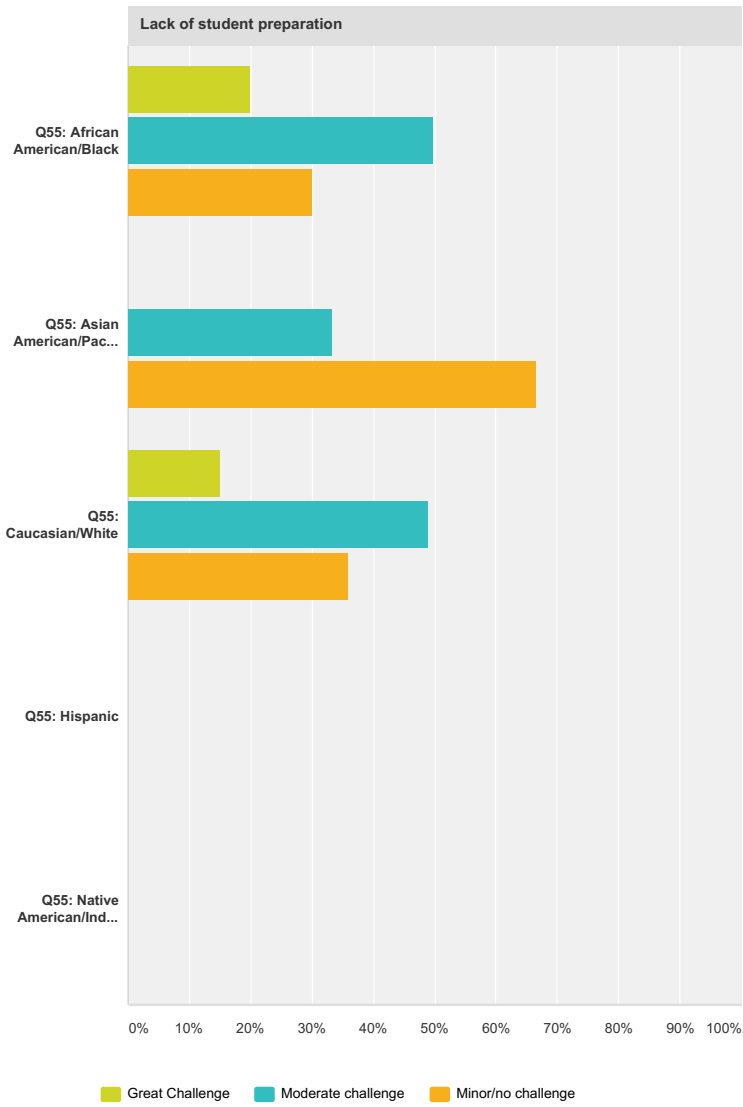




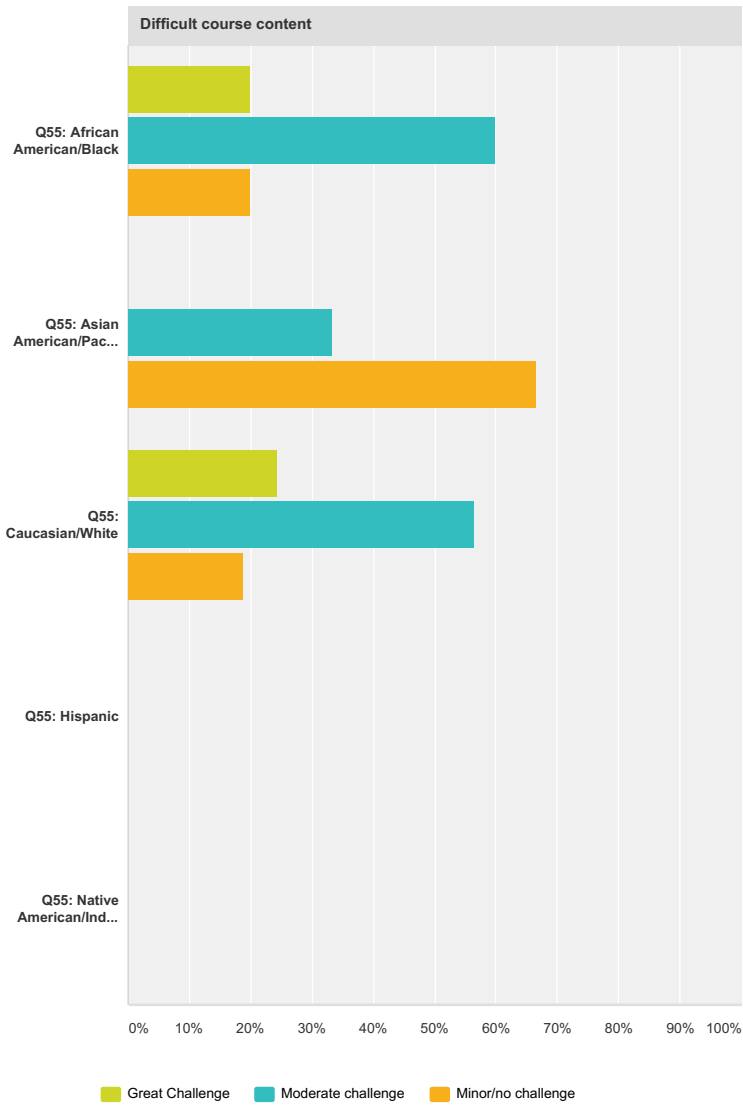
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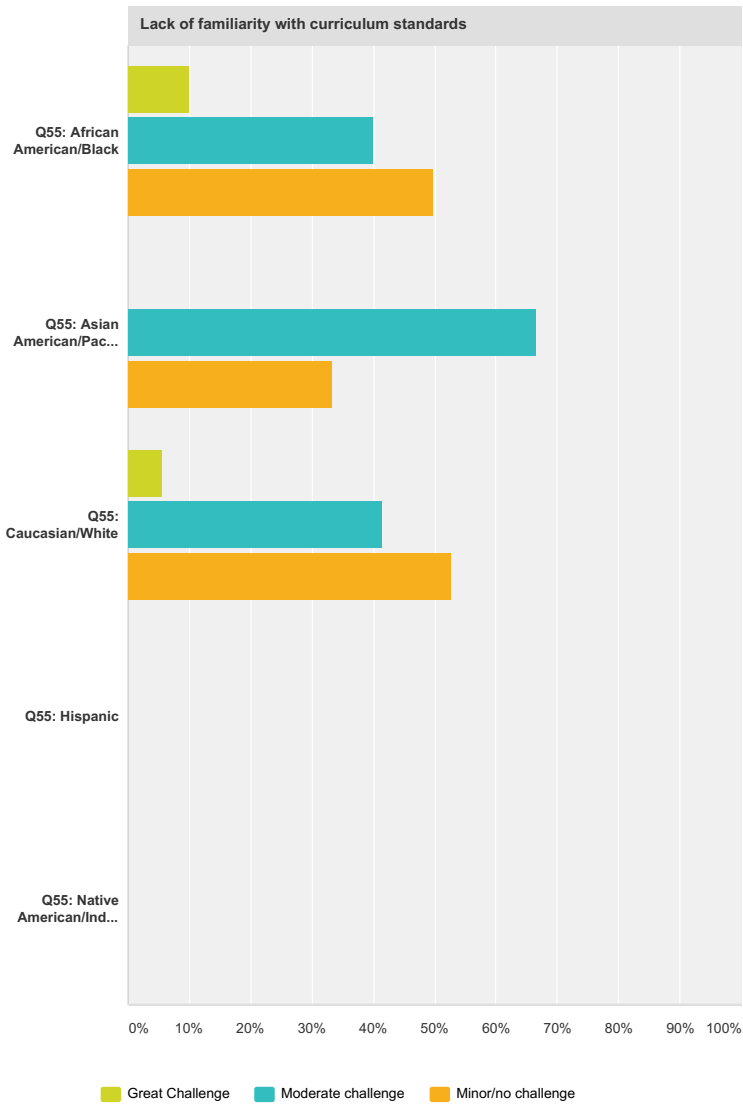
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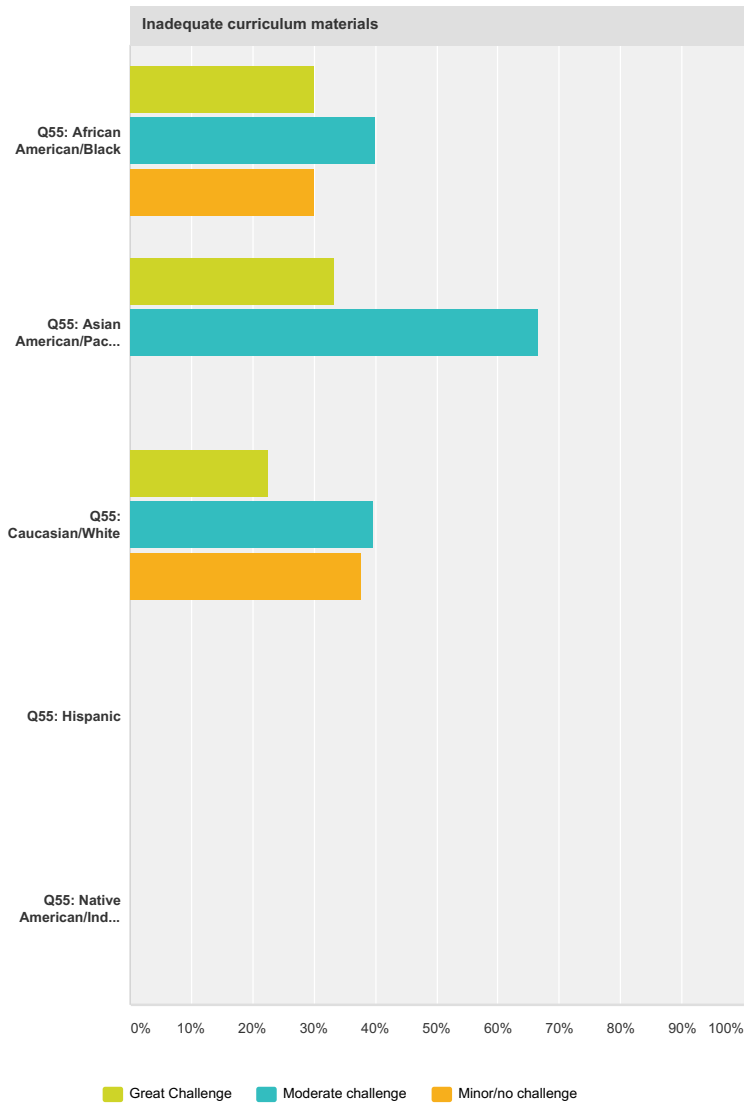
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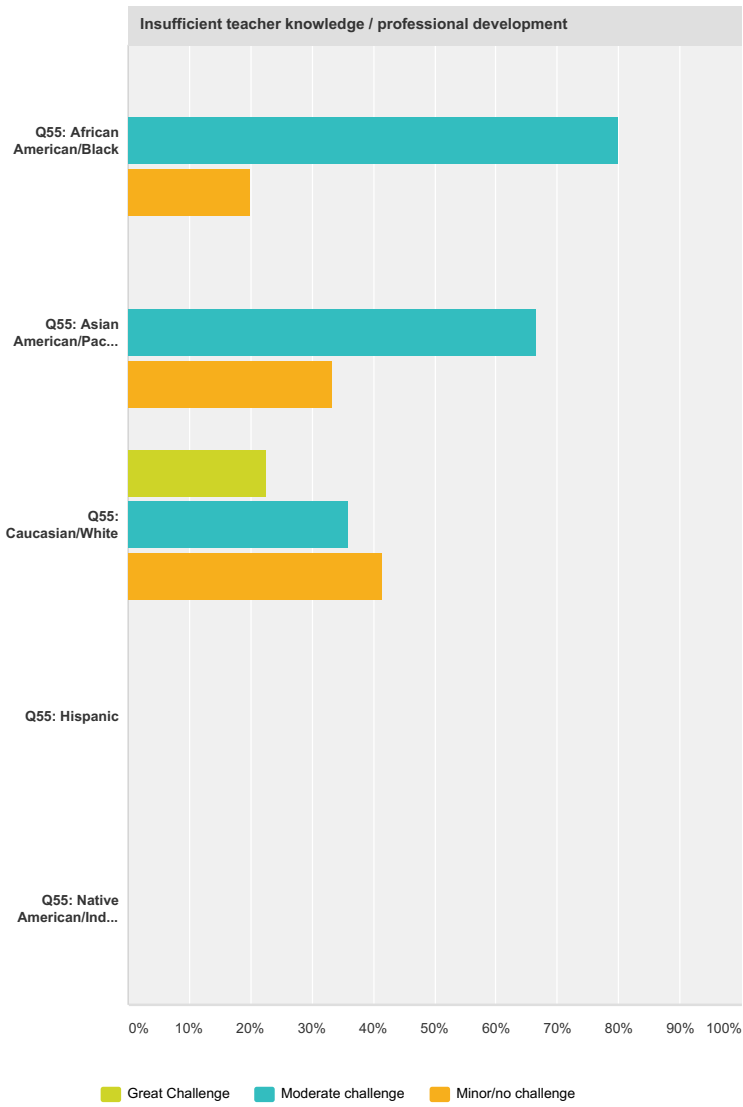
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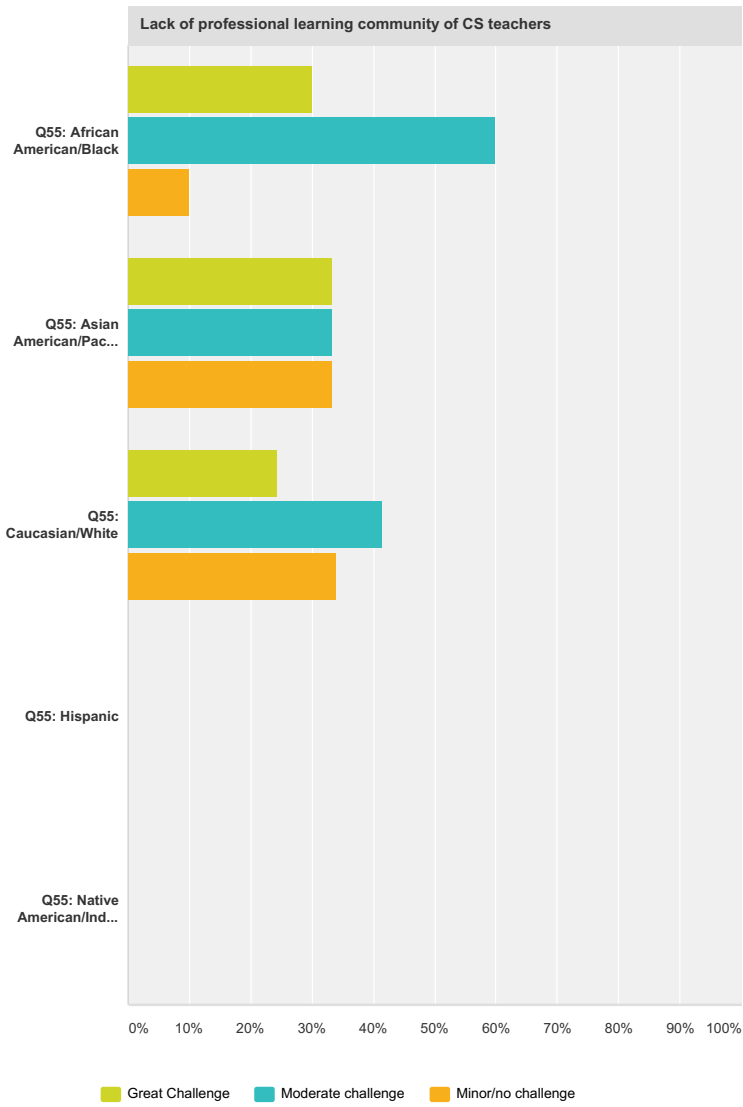
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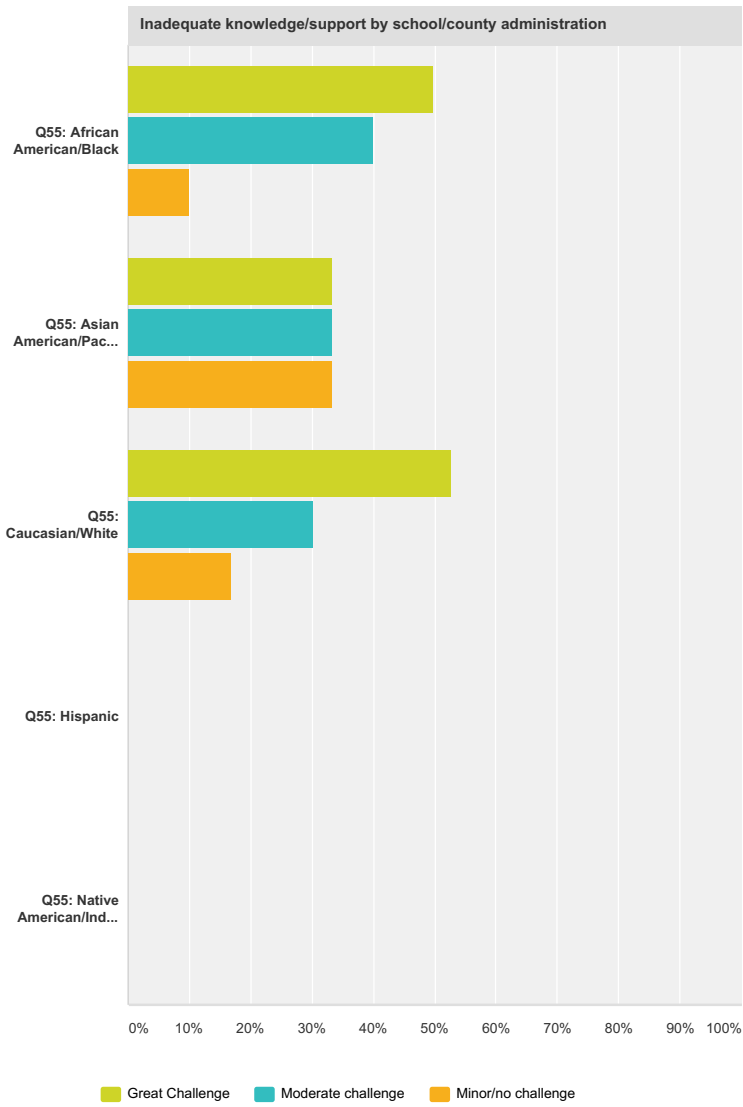
# Maryland High School Computer Science Survey (2014)



# Maryland High School Computer Science Survey (2014)

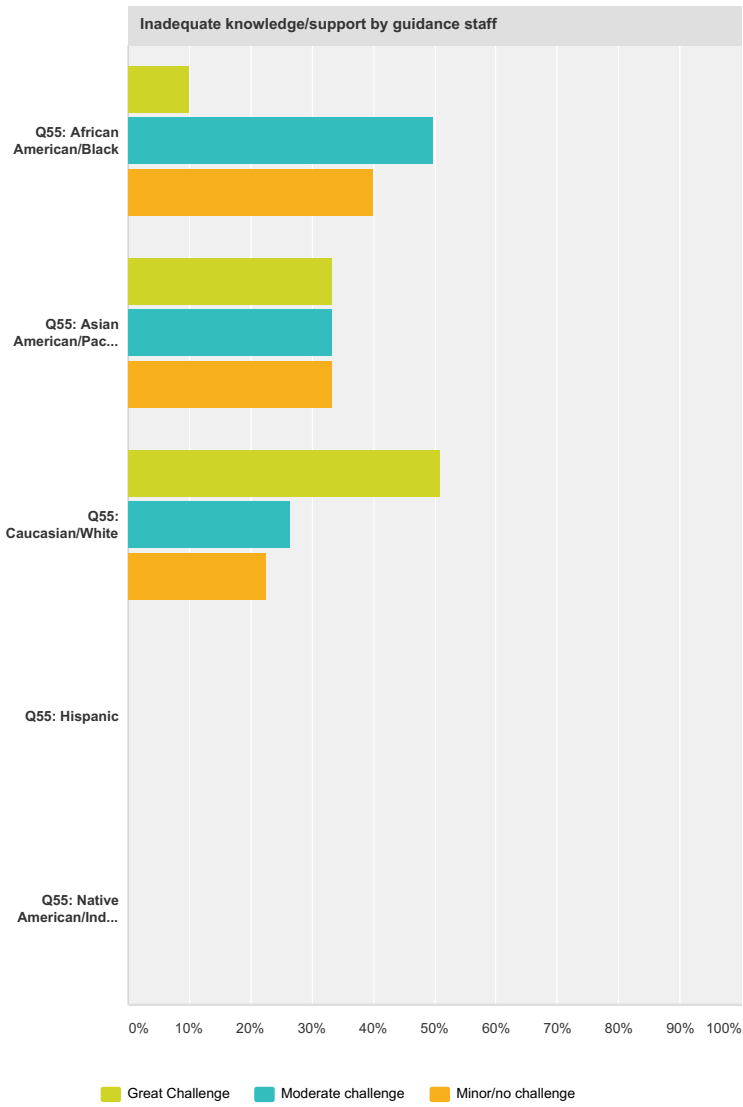


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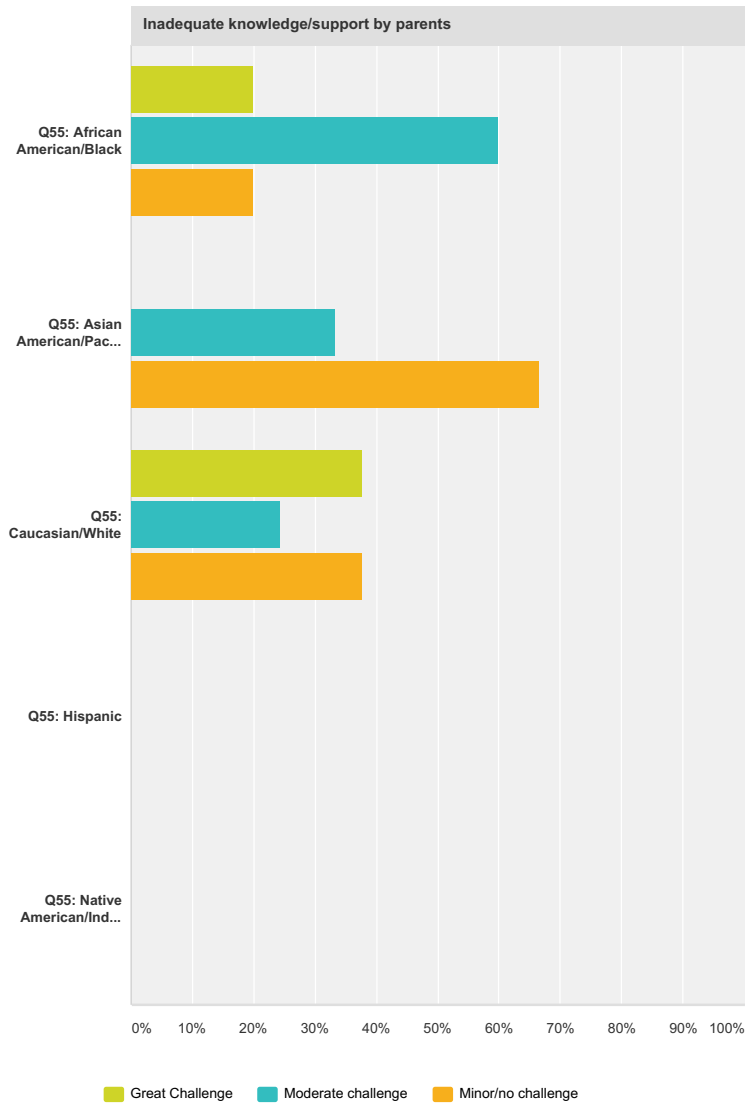




# Maryland High School Computer Science Survey (2014)



# Maryland High School Computer Science Survey (2014)



Lack of student interest				
	Great Challenge	Moderate challenge	Minor/no challenge	Total
Q55: African American/Black	20.00% 2	50.00% 5	30.00% 3	10
Q55: Asian American/Pacific Islander	0.00% 0	33.33% 1	66.67% 2	3
Q55: Caucasian/White	15.09% 8	47.17% 25	37.74% 20	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
Insufficient interest among women and minorities				
	Great Challenge	Moderate challenge	Minor/no challenge	Total
Q55: African American/Black	20.00% 2	60.00% 6	20.00% 2	10
Q55: Asian American/Pacific Islander	0.00% 0	66.67% 2	33.33% 1	3
Q55: Caucasian/White	20.75% 11	50.94% 27	28.30% 15	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
Lack of student preparation				
	Great Challenge	Moderate challenge	Minor/no challenge	Total

## Maryland High School Computer Science Survey (2014)

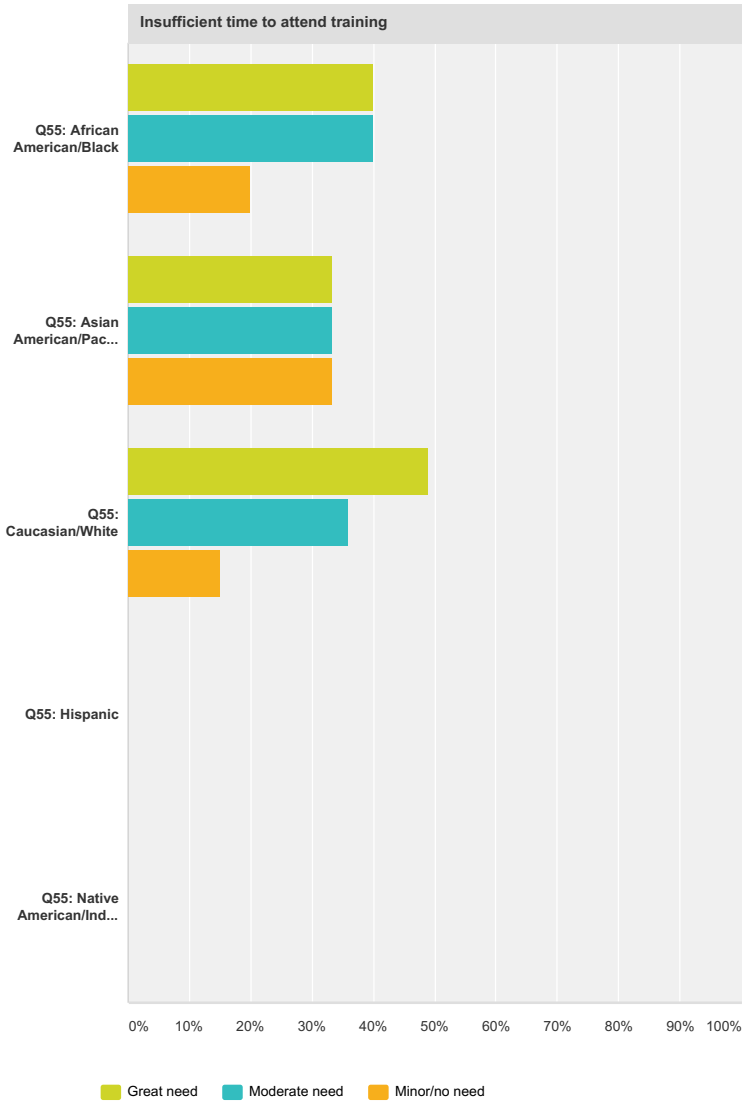
Q55: African American/Black	20.00% 2	50.00% 5	30.00% 3	10
Q55: Asian American/Pacific Islander	0.00% 0	33.33% 1	66.67% 2	3
Q55: Caucasian/White	15.09% 8	49.06% 26	35.85% 19	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Difficult course content</b>				
	<b>Great Challenge</b>	<b>Moderate challenge</b>	<b>Minor/no challenge</b>	<b>Total</b>
Q55: African American/Black	20.00% 2	60.00% 6	20.00% 2	10
Q55: Asian American/Pacific Islander	0.00% 0	33.33% 1	66.67% 2	3
Q55: Caucasian/White	24.53% 13	56.60% 30	18.87% 10	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Lack of familiarity with curriculum standards</b>				
	<b>Great Challenge</b>	<b>Moderate challenge</b>	<b>Minor/no challenge</b>	<b>Total</b>
Q55: African American/Black	10.00% 1	40.00% 4	50.00% 5	10
Q55: Asian American/Pacific Islander	0.00% 0	66.67% 2	33.33% 1	3
Q55: Caucasian/White	5.66% 3	41.51% 22	52.83% 28	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Inadequate curriculum materials</b>				
	<b>Great Challenge</b>	<b>Moderate challenge</b>	<b>Minor/no challenge</b>	<b>Total</b>
Q55: African American/Black	30.00% 3	40.00% 4	30.00% 3	10
Q55: Asian American/Pacific Islander	33.33% 1	66.67% 2	0.00% 0	3
Q55: Caucasian/White	22.64% 12	39.62% 21	37.74% 20	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Insufficient teacher knowledge / professional development</b>				
	<b>Great Challenge</b>	<b>Moderate challenge</b>	<b>Minor/no challenge</b>	<b>Total</b>
Q55: African American/Black	0.00% 0	80.00% 8	20.00% 2	10
Q55: Asian American/Pacific Islander	0.00% 0	66.67% 2	33.33% 1	3
Q55: Caucasian/White	22.64% 12	35.85% 19	41.51% 22	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Lack of professional learning community of CS teachers</b>				
	<b>Great Challenge</b>	<b>Moderate challenge</b>	<b>Minor/no challenge</b>	<b>Total</b>
Q55: African American/Black	30.00% 3	60.00% 6	10.00% 1	10
Q55: Asian American/Pacific Islander	33.33% 1	33.33% 1	33.33% 1	3

## Maryland High School Computer Science Survey (2014)

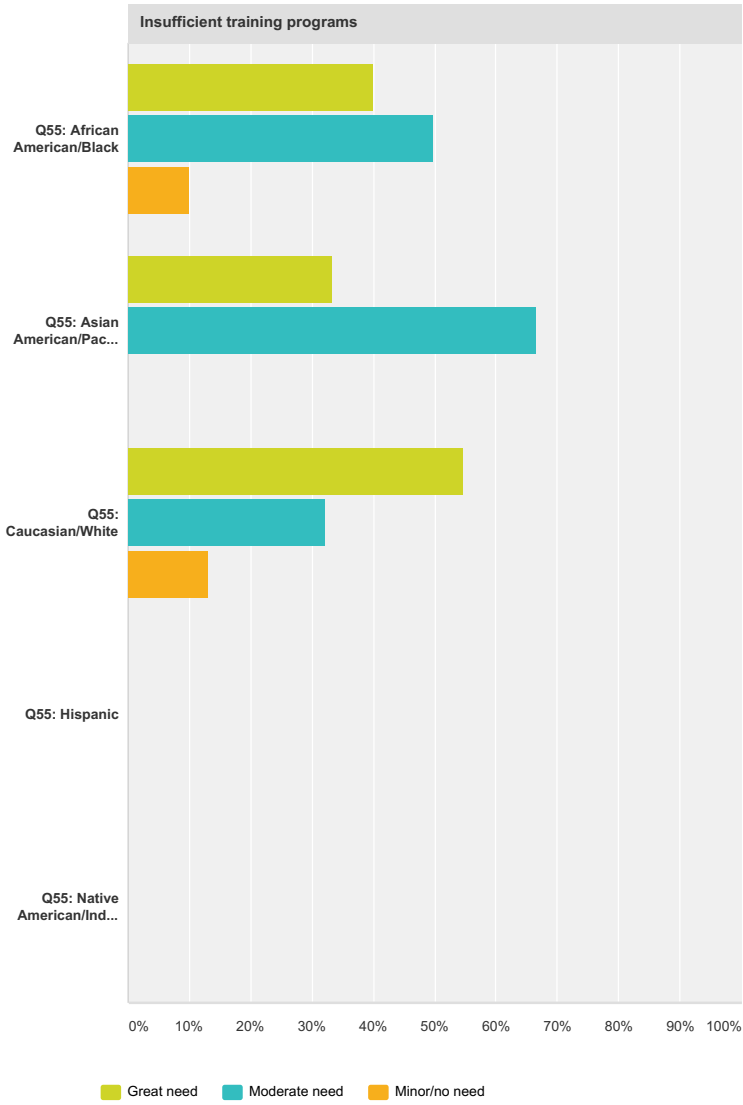
Q55: Caucasian/White	24.53% 13	41.51% 22	33.96% 18	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Inadequate knowledge/support by school/county administration</b>				
	<b>Great Challenge</b>	<b>Moderate challenge</b>	<b>Minor/no challenge</b>	<b>Total</b>
Q55: African American/Black	50.00% 5	40.00% 4	10.00% 1	10
Q55: Asian American/Pacific Islander	33.33% 1	33.33% 1	33.33% 1	3
Q55: Caucasian/White	52.83% 28	30.19% 16	16.98% 9	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Inadequate knowledge/support by guidance staff</b>				
	<b>Great Challenge</b>	<b>Moderate challenge</b>	<b>Minor/no challenge</b>	<b>Total</b>
Q55: African American/Black	10.00% 1	50.00% 5	40.00% 4	10
Q55: Asian American/Pacific Islander	33.33% 1	33.33% 1	33.33% 1	3
Q55: Caucasian/White	50.94% 27	26.42% 14	22.64% 12	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Inadequate knowledge/support by parents</b>				
	<b>Great Challenge</b>	<b>Moderate challenge</b>	<b>Minor/no challenge</b>	<b>Total</b>
Q55: African American/Black	20.00% 2	60.00% 6	20.00% 2	10
Q55: Asian American/Pacific Islander	0.00% 0	33.33% 1	66.67% 2	3
Q55: Caucasian/White	37.74% 20	24.53% 13	37.74% 20	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0

**Q45 What do you perceive as the greatest professional development needs?**

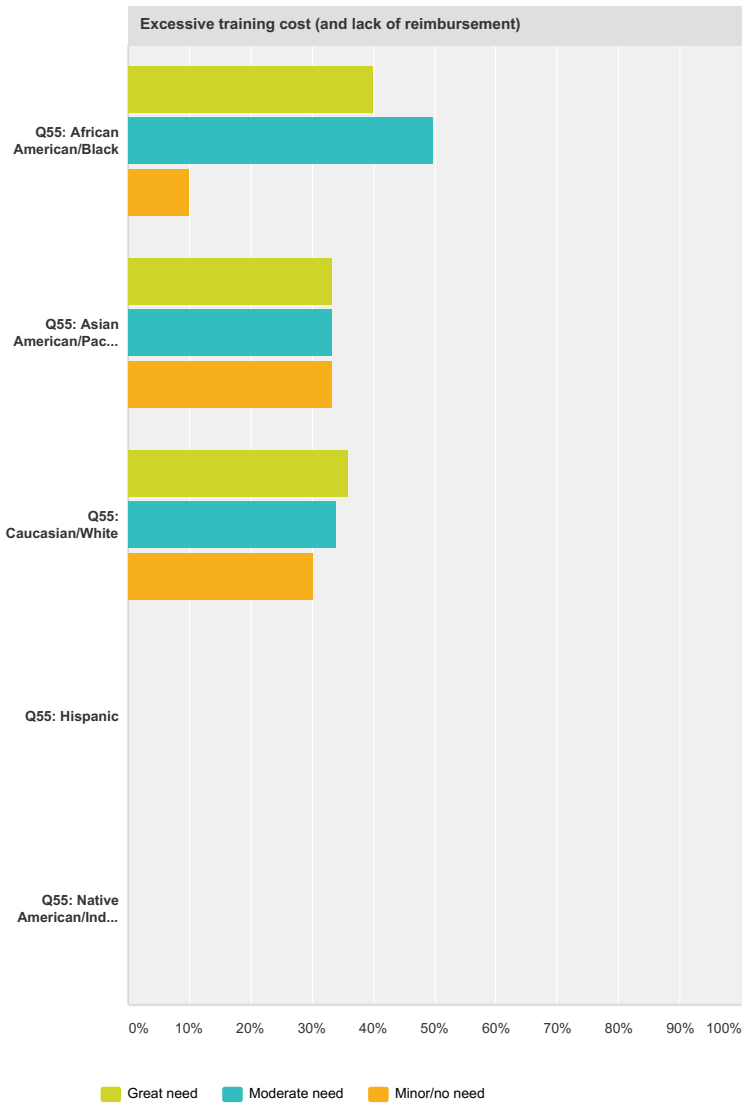
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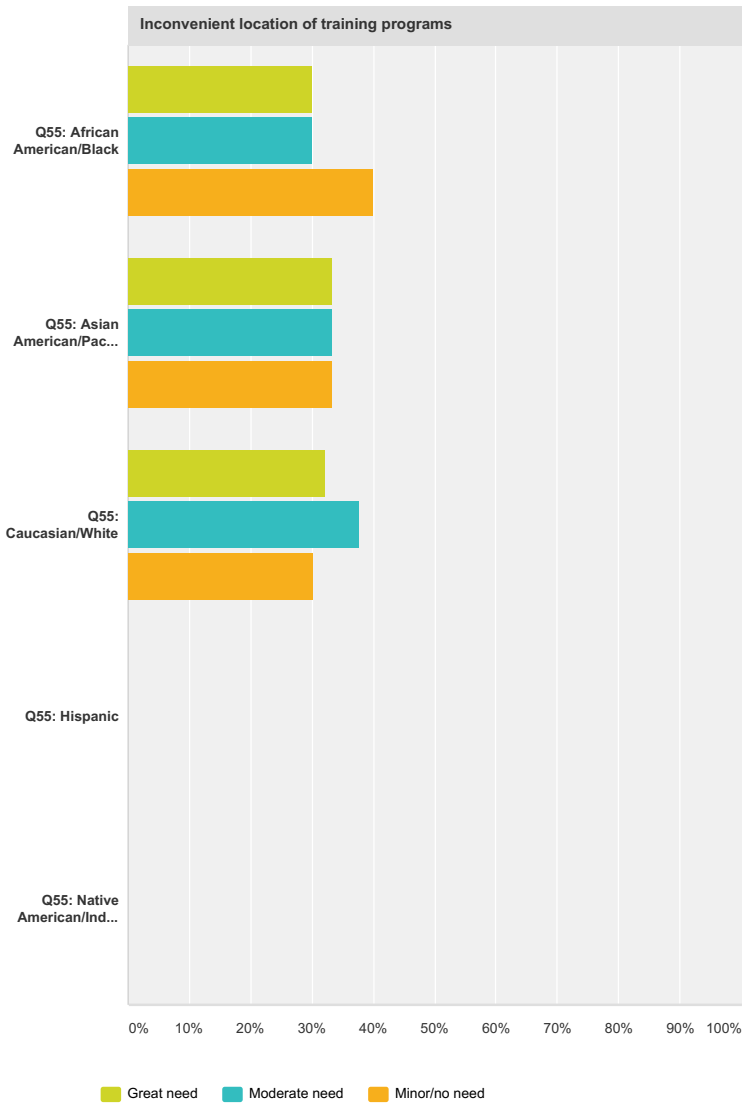
# Maryland High School Computer Science Survey (2014)



# Maryland High School Computer Science Survey (2014)

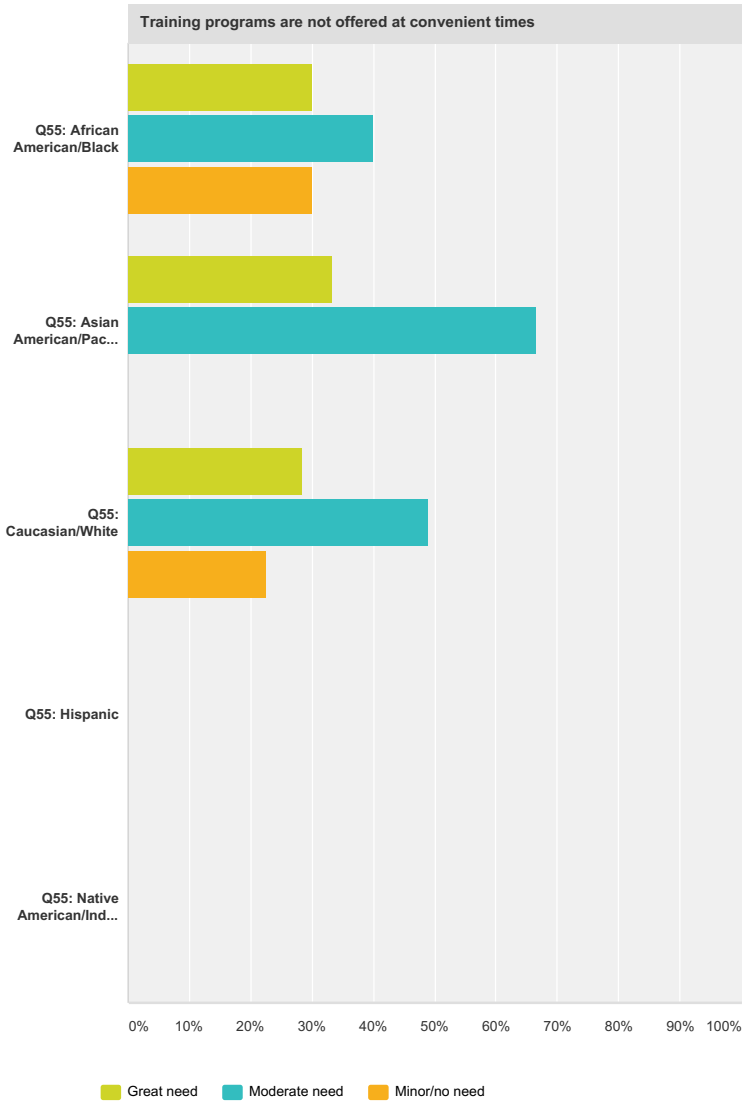


# Maryland High School Computer Science Survey (2014)

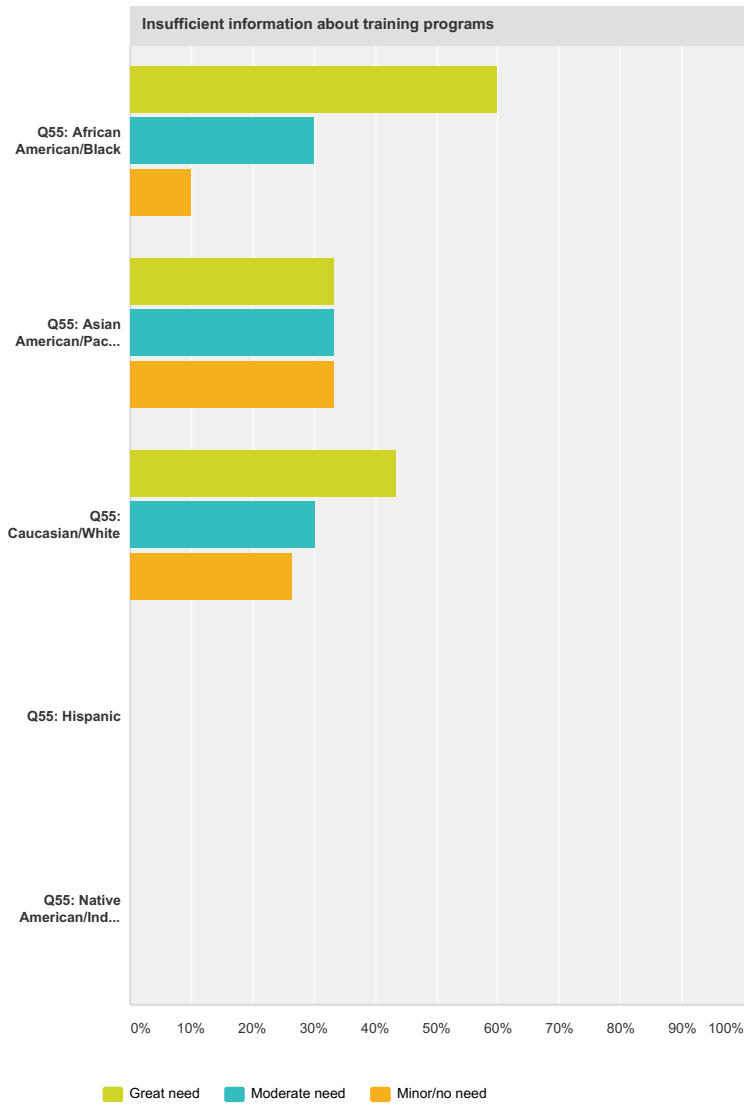




# Maryland High School Computer Science Survey (2014)



# Maryland High School Computer Science Survey (2014)



Insufficient time to attend training				
	Great need	Moderate need	Minor/no need	Total
Q55: African American/Black	40.00% 4	40.00% 4	20.00% 2	10
Q55: Asian American/Pacific Islander	33.33% 1	33.33% 1	33.33% 1	3
Q55: Caucasian/White	49.06% 26	35.85% 19	15.09% 8	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0

Insufficient training programs				
	Great need	Moderate need	Minor/no need	Total
Q55: African American/Black	40.00% 4	50.00% 5	10.00% 1	10
Q55: Asian American/Pacific Islander	33.33% 1	66.67% 2	0.00% 0	3
Q55: Caucasian/White	54.72% 29	32.08% 17	13.21% 7	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0

Excessive training cost (and lack of reimbursement)				
	Great need	Moderate need	Minor/no need	Total

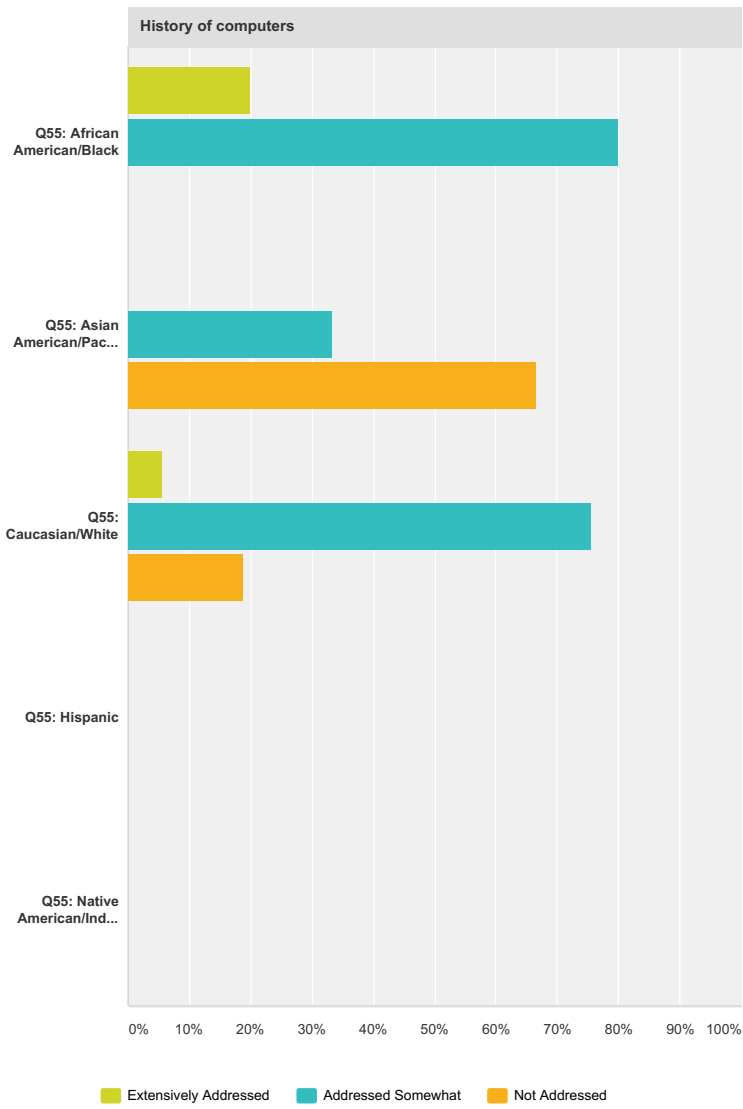
## Maryland High School Computer Science Survey (2014)

Q55: African American/Black	40.00% 4	50.00% 5	10.00% 1	10
Q55: Asian American/Pacific Islander	33.33% 1	33.33% 1	33.33% 1	3
Q55: Caucasian/White	35.85% 19	33.96% 18	30.19% 16	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Inconvenient location of training programs</b>				
	<b>Great need</b>	<b>Moderate need</b>	<b>Minor/no need</b>	<b>Total</b>
Q55: African American/Black	30.00% 3	30.00% 3	40.00% 4	10
Q55: Asian American/Pacific Islander	33.33% 1	33.33% 1	33.33% 1	3
Q55: Caucasian/White	32.08% 17	37.74% 20	30.19% 16	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Training programs are not offered at convenient times</b>				
	<b>Great need</b>	<b>Moderate need</b>	<b>Minor/no need</b>	<b>Total</b>
Q55: African American/Black	30.00% 3	40.00% 4	30.00% 3	10
Q55: Asian American/Pacific Islander	33.33% 1	66.67% 2	0.00% 0	3
Q55: Caucasian/White	28.30% 15	49.06% 26	22.64% 12	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Insufficient information about training programs</b>				
	<b>Great need</b>	<b>Moderate need</b>	<b>Minor/no need</b>	<b>Total</b>
Q55: African American/Black	60.00% 6	30.00% 3	10.00% 1	10
Q55: Asian American/Pacific Islander	33.33% 1	33.33% 1	33.33% 1	3
Q55: Caucasian/White	43.40% 23	30.19% 16	26.42% 14	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0

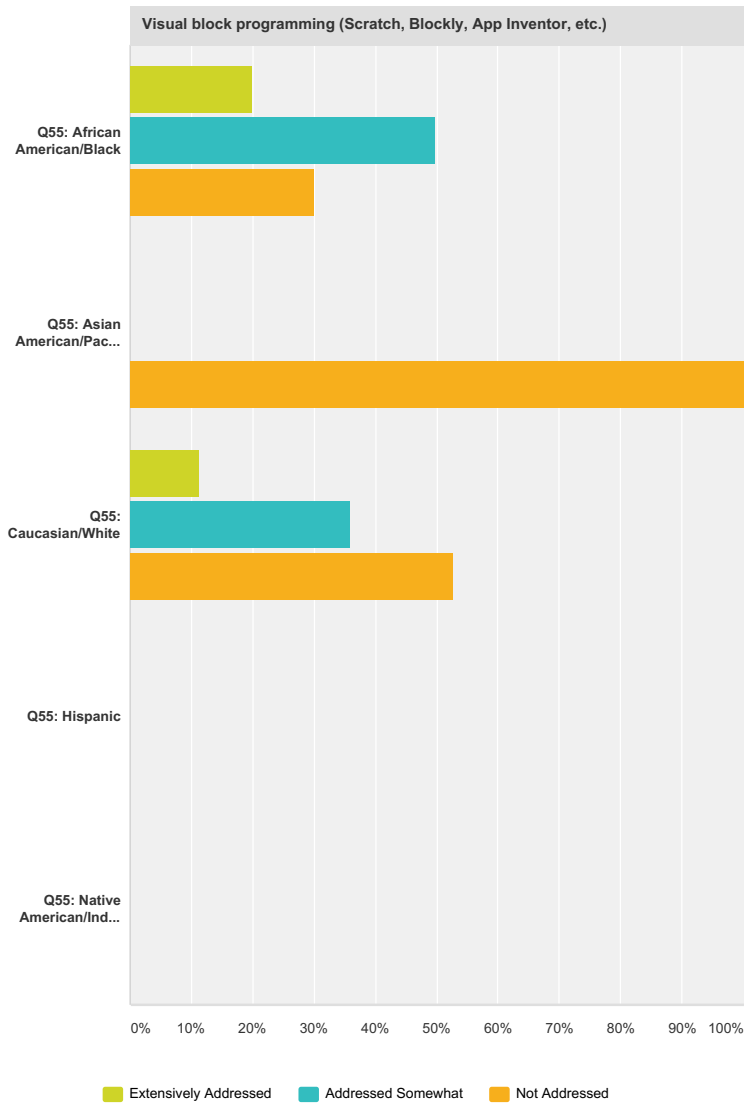
# Maryland High School Computer Science Survey (2014)

**Q46 In the courses you currently teach, what level of coverage do you provide for each of the following topic areas? (Please rank each.)**

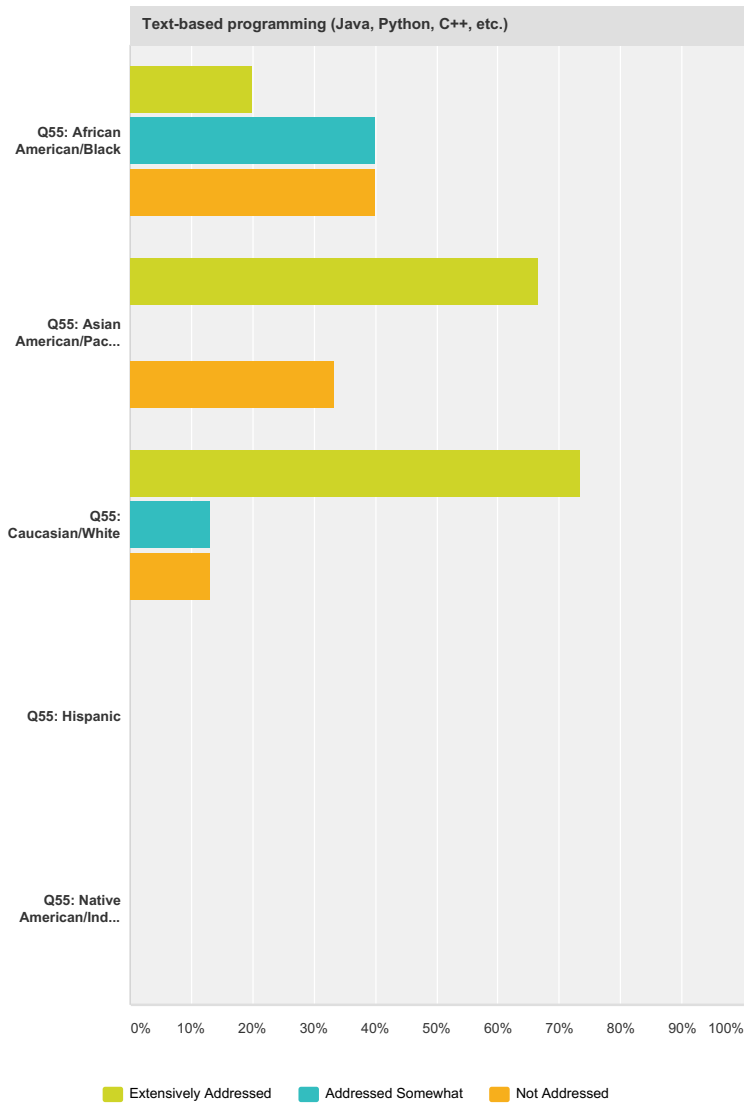
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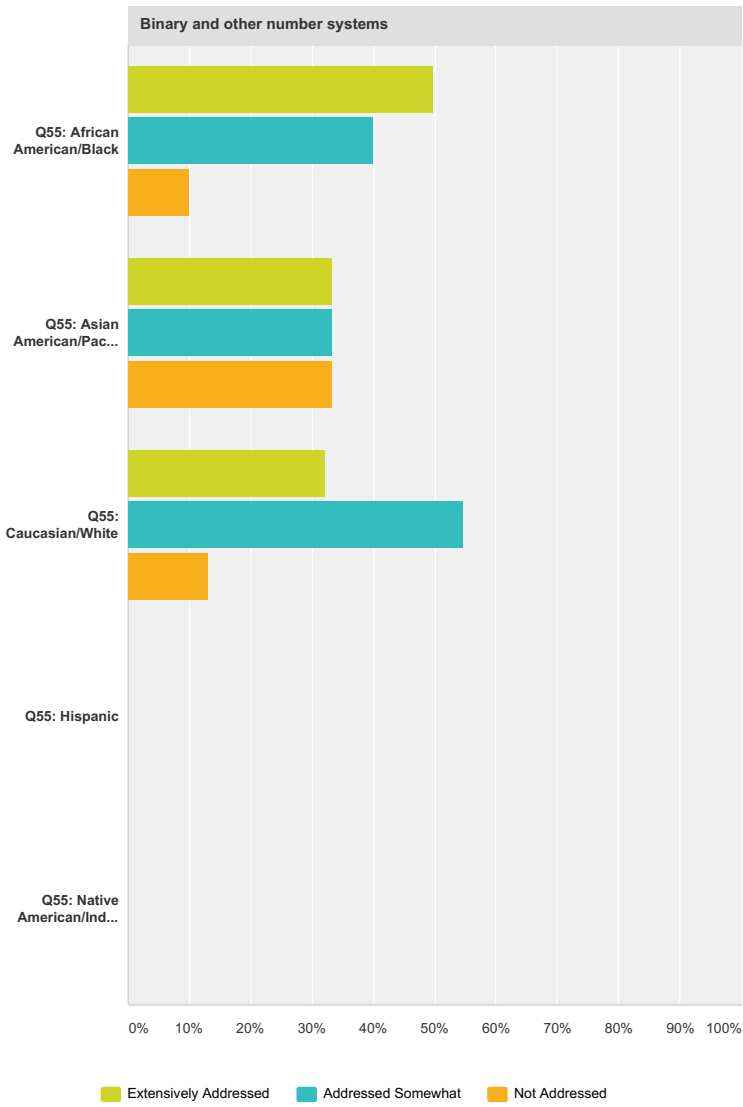
# Maryland High School Computer Science Survey (2014)



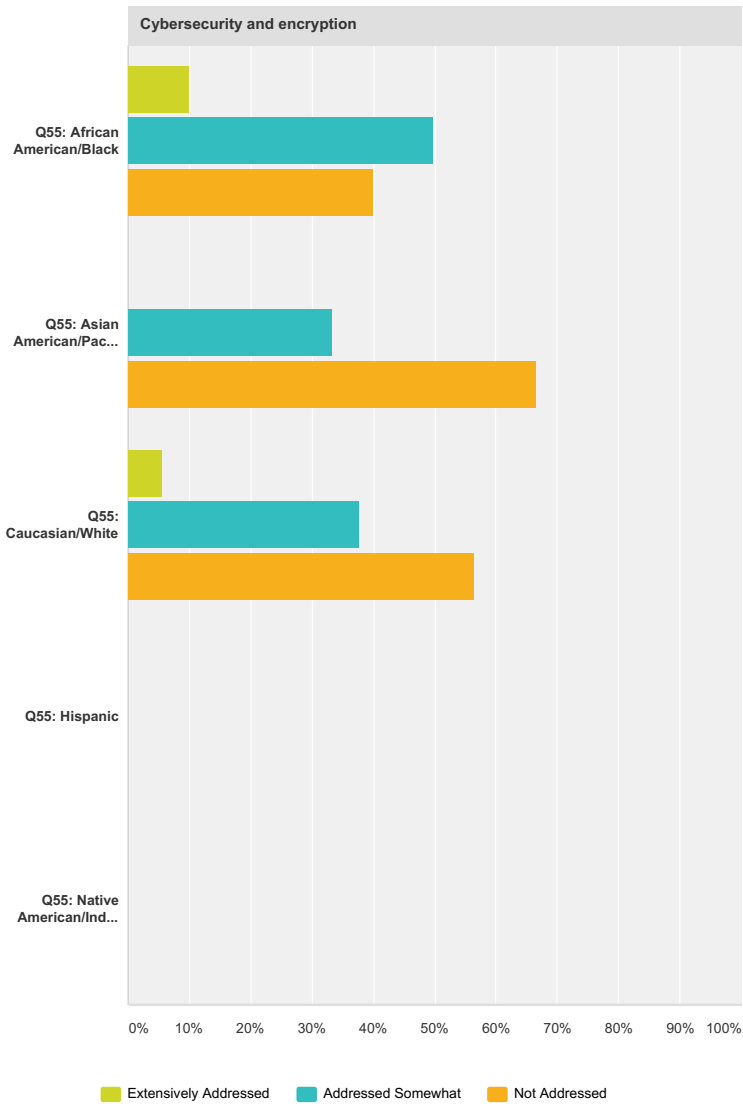
# Maryland High School Computer Science Survey (2014)



# Maryland High School Computer Science Survey (2014)

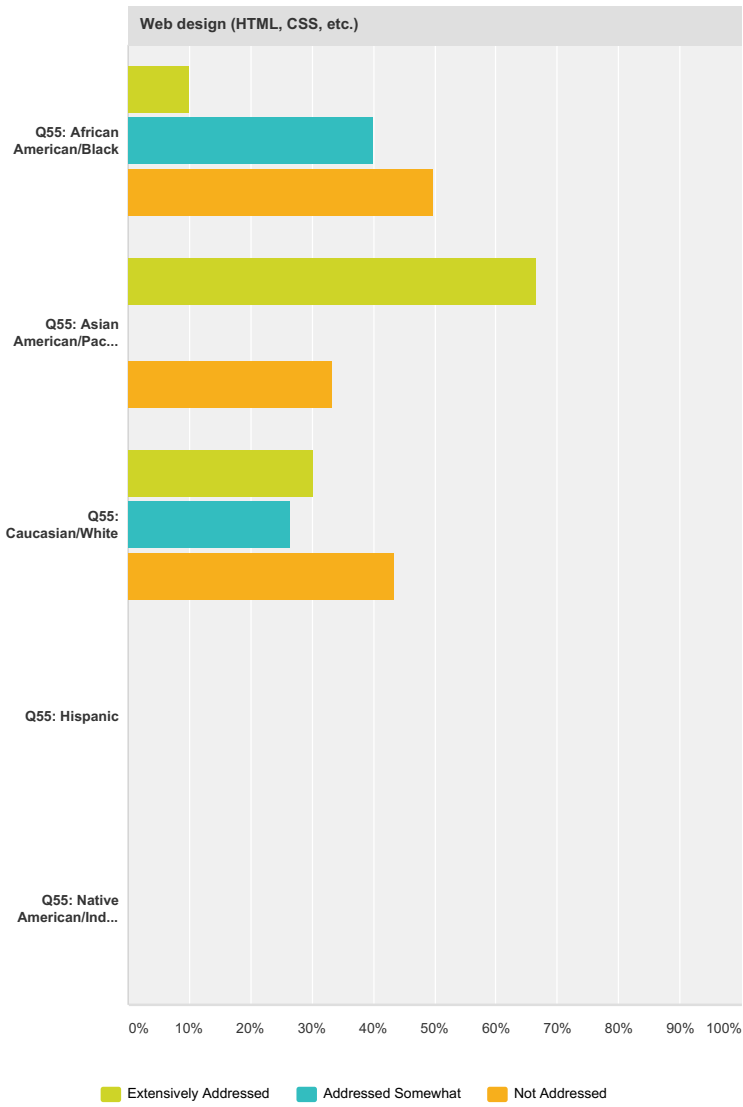


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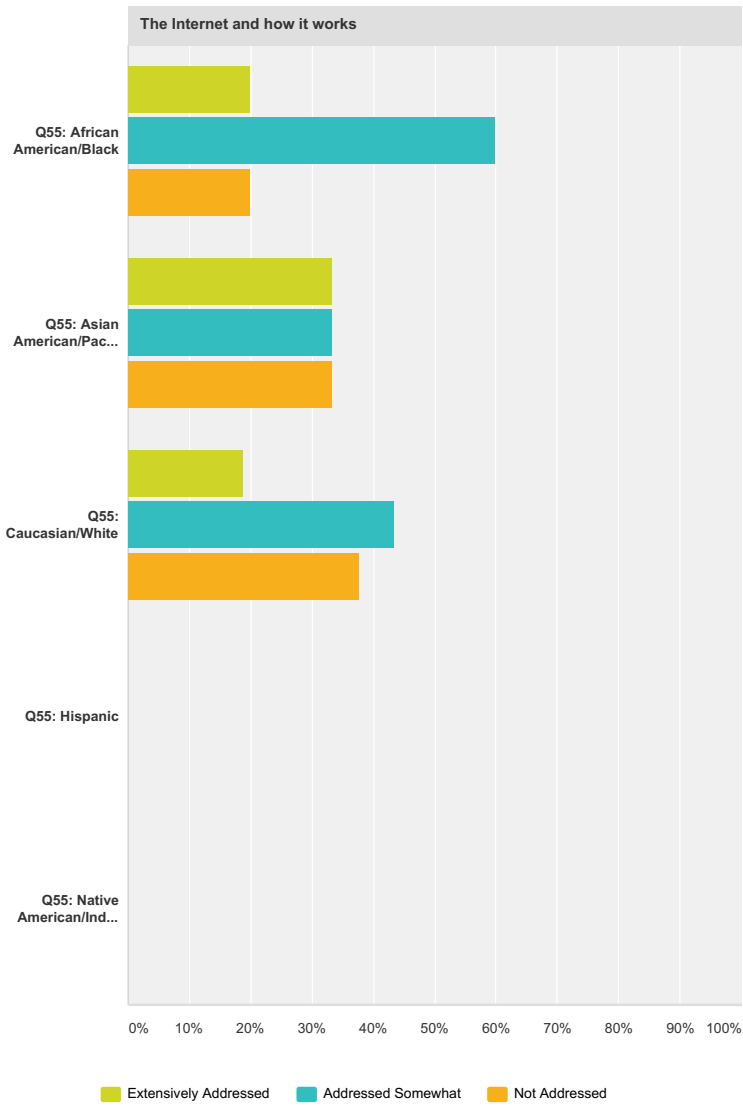




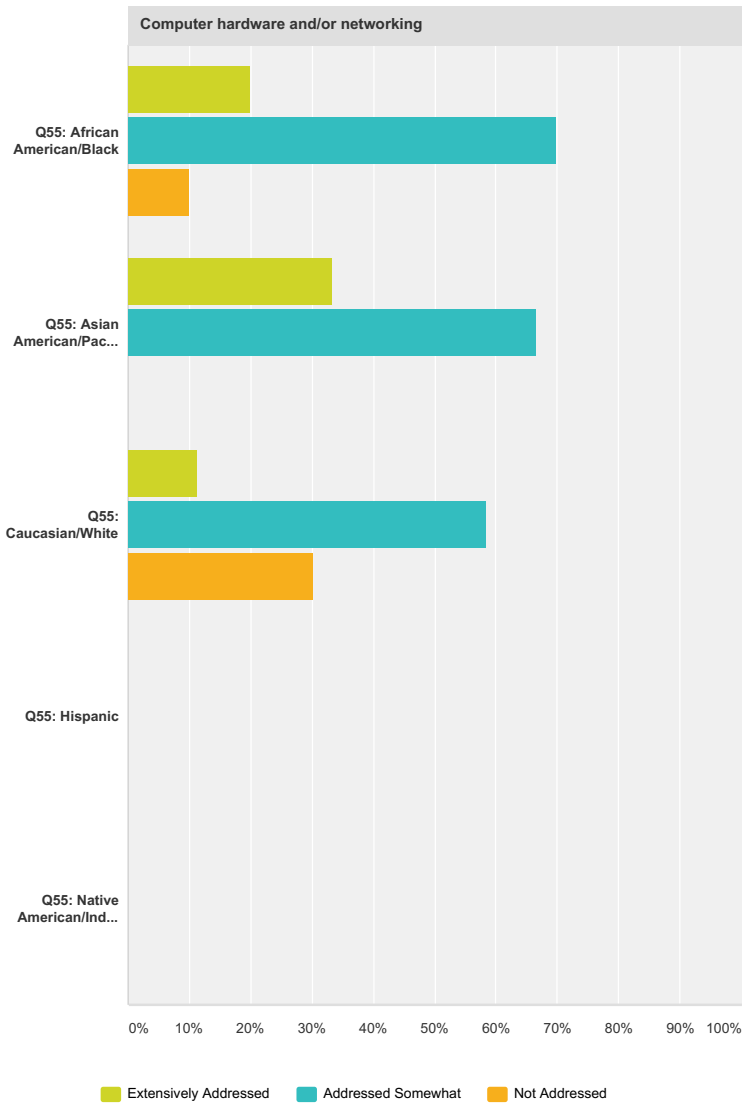
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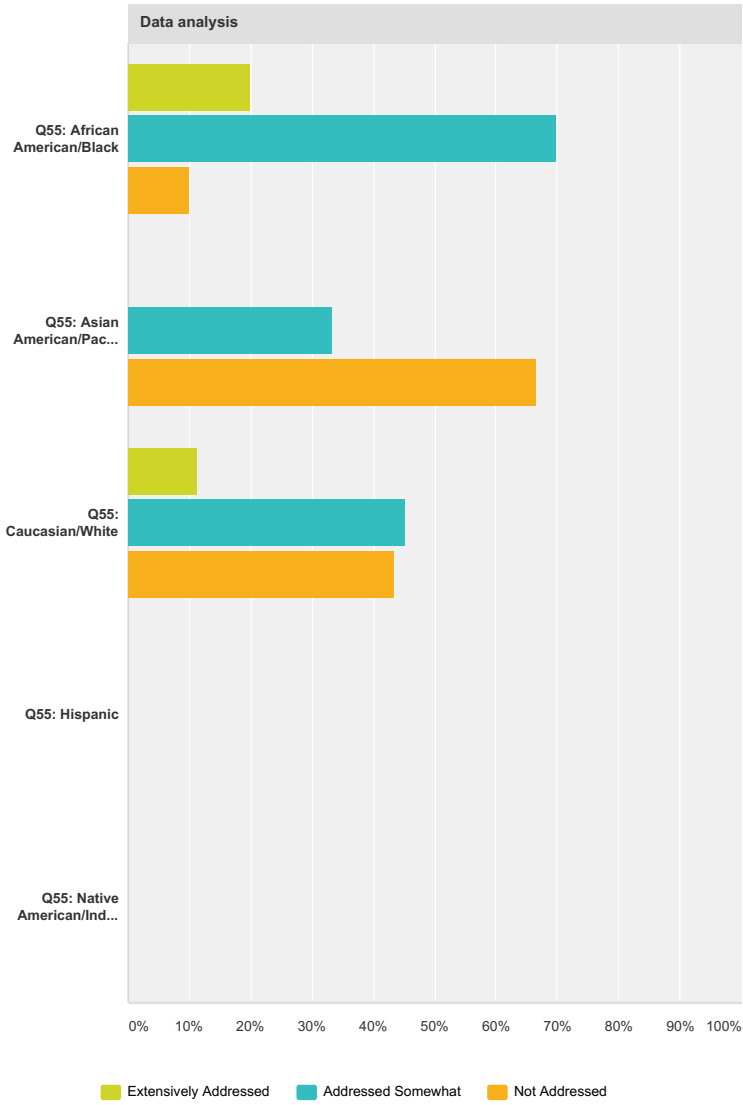
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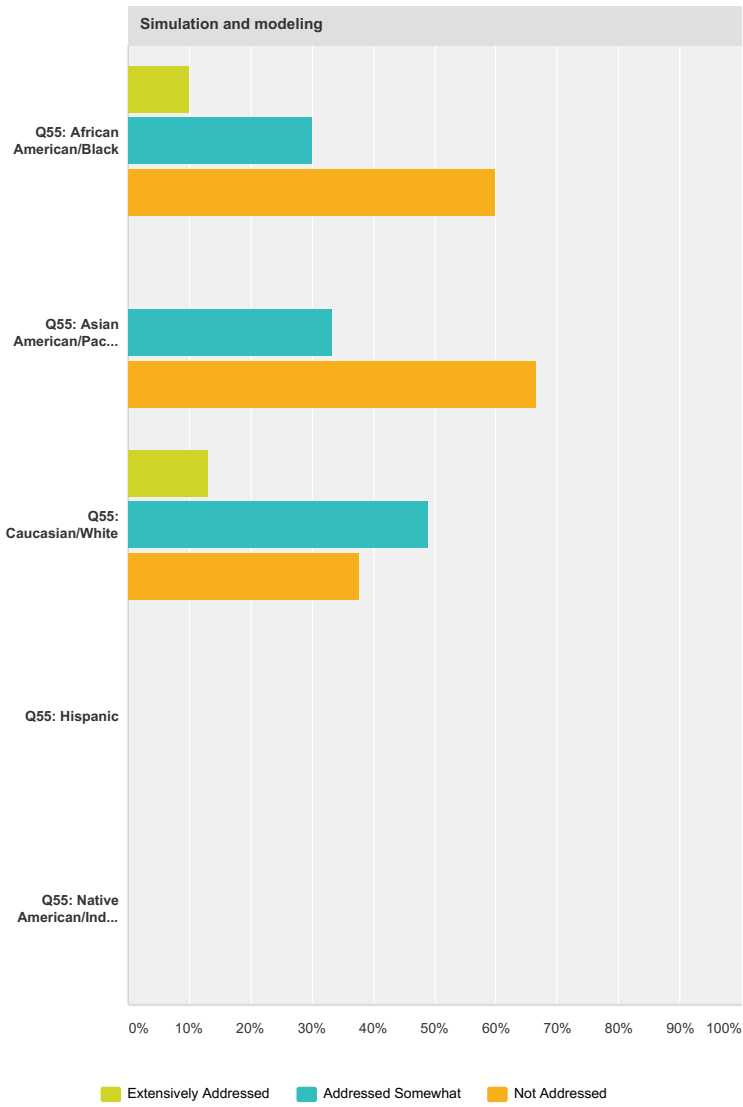
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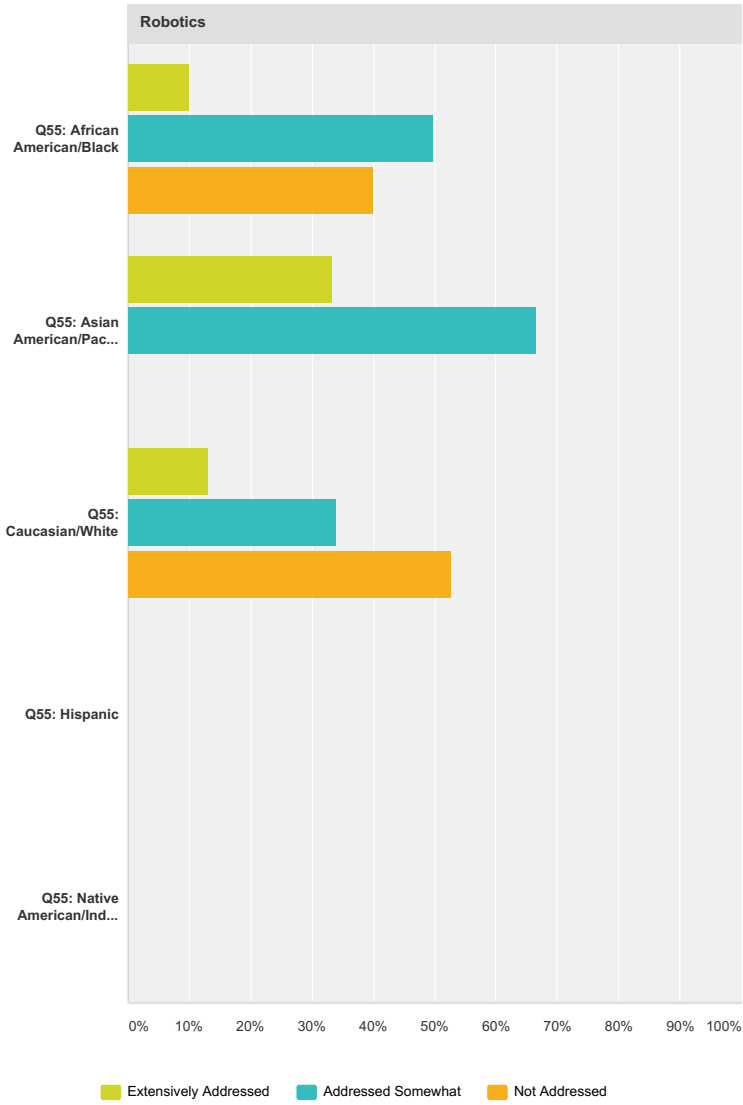
# Maryland High School Computer Science Survey (2014)



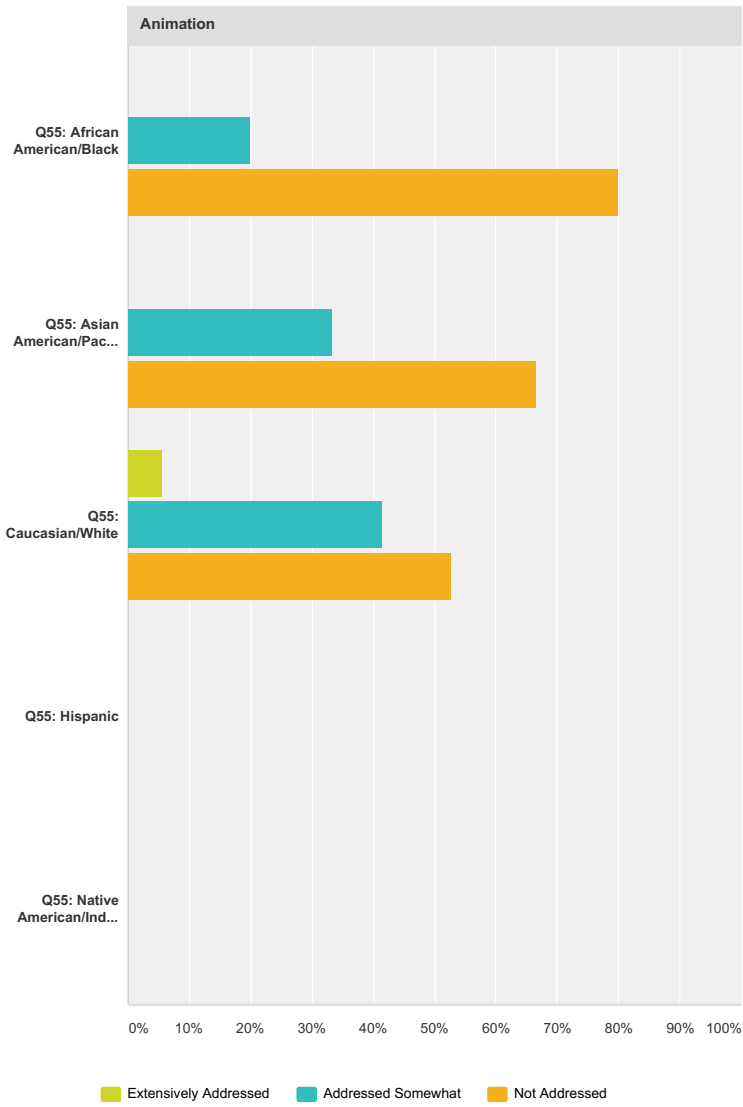
# Maryland High School Computer Science Survey (2014)



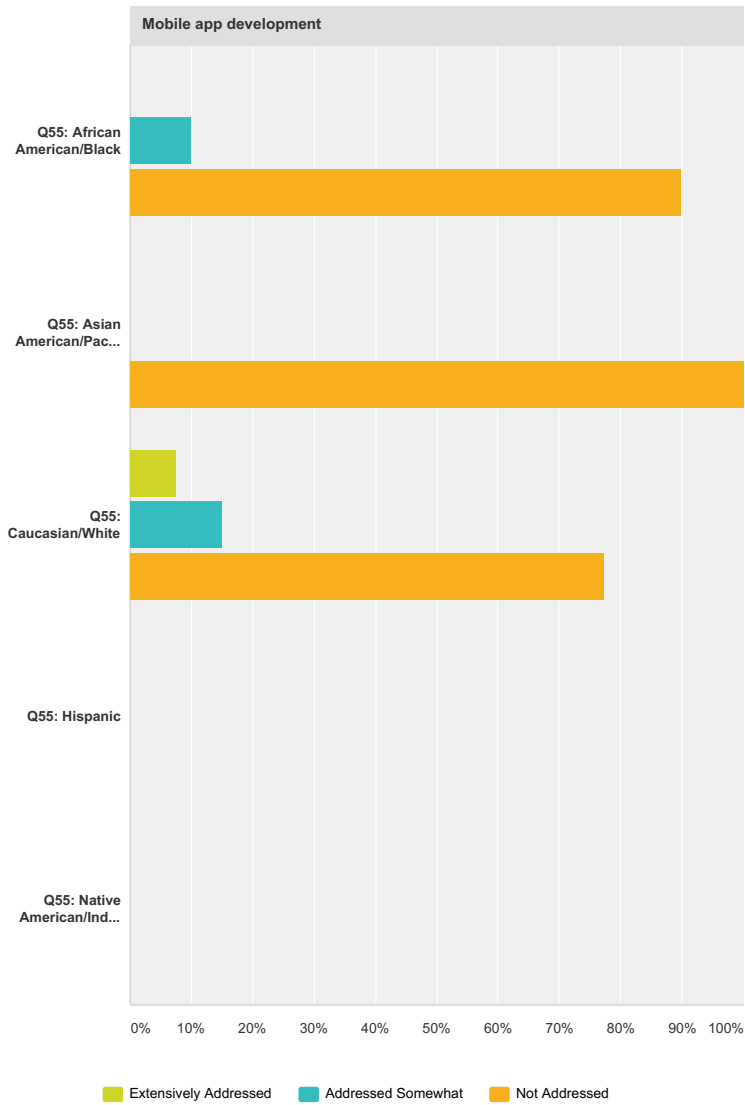
# Maryland High School Computer Science Survey (2014)



# Maryland High School Computer Science Survey (2014)



# Maryland High School Computer Science Survey (2014)



History of computers				
	Extensively Addressed	Addressed Somewhat	Not Addressed	Total
Q55: African American/Black	20.00% 2	80.00% 8	0.00% 0	10
Q55: Asian American/Pacific Islander	0.00% 0	33.33% 1	66.67% 2	3
Q55: Caucasian/White	5.66% 3	75.47% 40	18.87% 10	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
Visual block programming (Scratch, Blockly, App Inventor, etc.)				
	Extensively Addressed	Addressed Somewhat	Not Addressed	Total
Q55: African American/Black	20.00% 2	50.00% 5	30.00% 3	10
Q55: Asian American/Pacific Islander	0.00% 0	0.00% 0	100.00% 3	3
Q55: Caucasian/White	11.32% 6	35.85% 19	52.83% 28	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
Text-based programming (Java, Python, C++, etc.)				
	Extensively Addressed	Addressed Somewhat	Not Addressed	Total



# Maryland High School Computer Science Survey (2014)

Q55: African American/Black	20.00% 2	40.00% 4	40.00% 4	10
Q55: Asian American/Pacific Islander	66.67% 2	0.00% 0	33.33% 1	3
Q55: Caucasian/White	73.58% 39	13.21% 7	13.21% 7	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Binary and other number systems</b>				
	<b>Extensively Addressed</b>	<b>Addressed Somewhat</b>	<b>Not Addressed</b>	<b>Total</b>
Q55: African American/Black	50.00% 5	40.00% 4	10.00% 1	10
Q55: Asian American/Pacific Islander	33.33% 1	33.33% 1	33.33% 1	3
Q55: Caucasian/White	32.08% 17	54.72% 29	13.21% 7	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Cybersecurity and encryption</b>				
	<b>Extensively Addressed</b>	<b>Addressed Somewhat</b>	<b>Not Addressed</b>	<b>Total</b>
Q55: African American/Black	10.00% 1	50.00% 5	40.00% 4	10
Q55: Asian American/Pacific Islander	0.00% 0	33.33% 1	66.67% 2	3
Q55: Caucasian/White	5.66% 3	37.74% 20	56.60% 30	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Web design (HTML, CSS, etc.)</b>				
	<b>Extensively Addressed</b>	<b>Addressed Somewhat</b>	<b>Not Addressed</b>	<b>Total</b>
Q55: African American/Black	10.00% 1	40.00% 4	50.00% 5	10
Q55: Asian American/Pacific Islander	66.67% 2	0.00% 0	33.33% 1	3
Q55: Caucasian/White	30.19% 16	26.42% 14	43.40% 23	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>The Internet and how it works</b>				
	<b>Extensively Addressed</b>	<b>Addressed Somewhat</b>	<b>Not Addressed</b>	<b>Total</b>
Q55: African American/Black	20.00% 2	60.00% 6	20.00% 2	10
Q55: Asian American/Pacific Islander	33.33% 1	33.33% 1	33.33% 1	3
Q55: Caucasian/White	18.87% 10	43.40% 23	37.74% 20	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Computer hardware and/or networking</b>				
	<b>Extensively Addressed</b>	<b>Addressed Somewhat</b>	<b>Not Addressed</b>	<b>Total</b>
Q55: African American/Black	20.00% 2	70.00% 7	10.00% 1	10
Q55: Asian American/Pacific Islander	33.33% 1	66.67% 2	0.00% 0	3

## Maryland High School Computer Science Survey (2014)

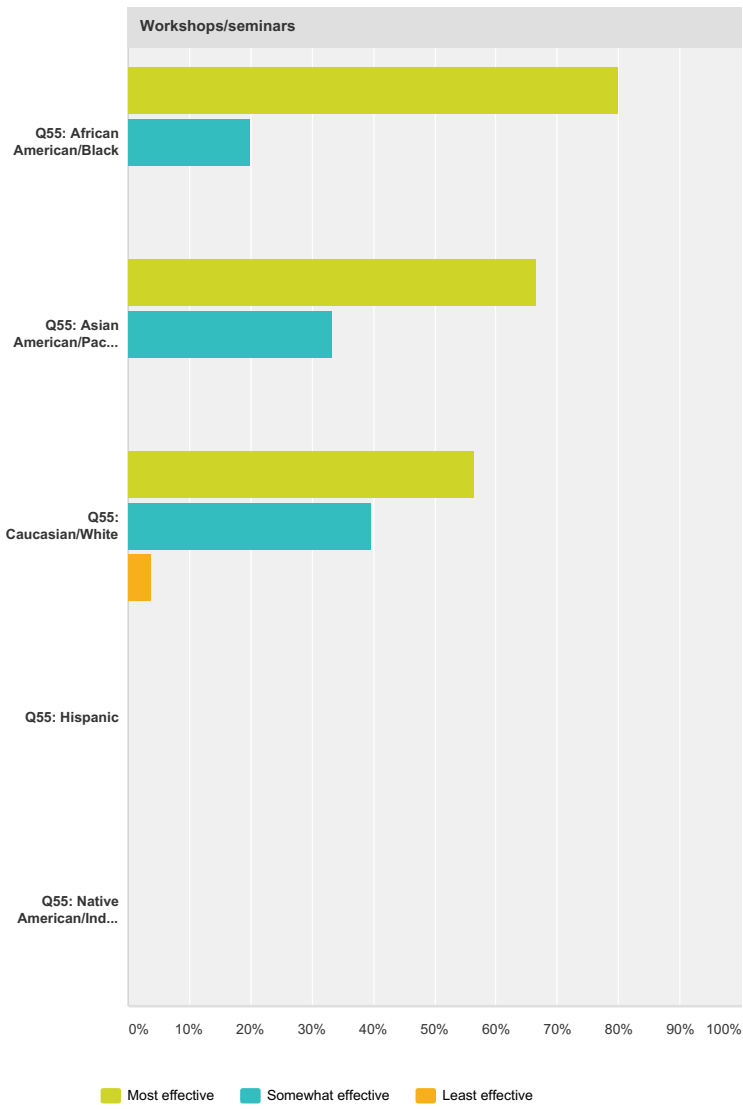
Q55: Caucasian/White	11.32% 6	58.49% 31	30.19% 16	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Data analysis</b>				
	<b>Extensively Addressed</b>	<b>Addressed Somewhat</b>	<b>Not Addressed</b>	<b>Total</b>
Q55: African American/Black	20.00% 2	70.00% 7	10.00% 1	10
Q55: Asian American/Pacific Islander	0.00% 0	33.33% 1	66.67% 2	3
Q55: Caucasian/White	11.32% 6	45.28% 24	43.40% 23	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Simulation and modeling</b>				
	<b>Extensively Addressed</b>	<b>Addressed Somewhat</b>	<b>Not Addressed</b>	<b>Total</b>
Q55: African American/Black	10.00% 1	30.00% 3	60.00% 6	10
Q55: Asian American/Pacific Islander	0.00% 0	33.33% 1	66.67% 2	3
Q55: Caucasian/White	13.21% 7	49.06% 26	37.74% 20	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Robotics</b>				
	<b>Extensively Addressed</b>	<b>Addressed Somewhat</b>	<b>Not Addressed</b>	<b>Total</b>
Q55: African American/Black	10.00% 1	50.00% 5	40.00% 4	10
Q55: Asian American/Pacific Islander	33.33% 1	66.67% 2	0.00% 0	3
Q55: Caucasian/White	13.21% 7	33.96% 18	52.83% 28	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Animation</b>				
	<b>Extensively Addressed</b>	<b>Addressed Somewhat</b>	<b>Not Addressed</b>	<b>Total</b>
Q55: African American/Black	0.00% 0	20.00% 2	80.00% 8	10
Q55: Asian American/Pacific Islander	0.00% 0	33.33% 1	66.67% 2	3
Q55: Caucasian/White	5.66% 3	41.51% 22	52.83% 28	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Mobile app development</b>				
	<b>Extensively Addressed</b>	<b>Addressed Somewhat</b>	<b>Not Addressed</b>	<b>Total</b>
Q55: African American/Black	0.00% 0	10.00% 1	90.00% 9	10
Q55: Asian American/Pacific Islander	0.00% 0	0.00% 0	100.00% 3	3
Q55: Caucasian/White	7.55% 4	15.09% 8	77.36% 41	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0

# Maryland High School Computer Science Survey (2014)

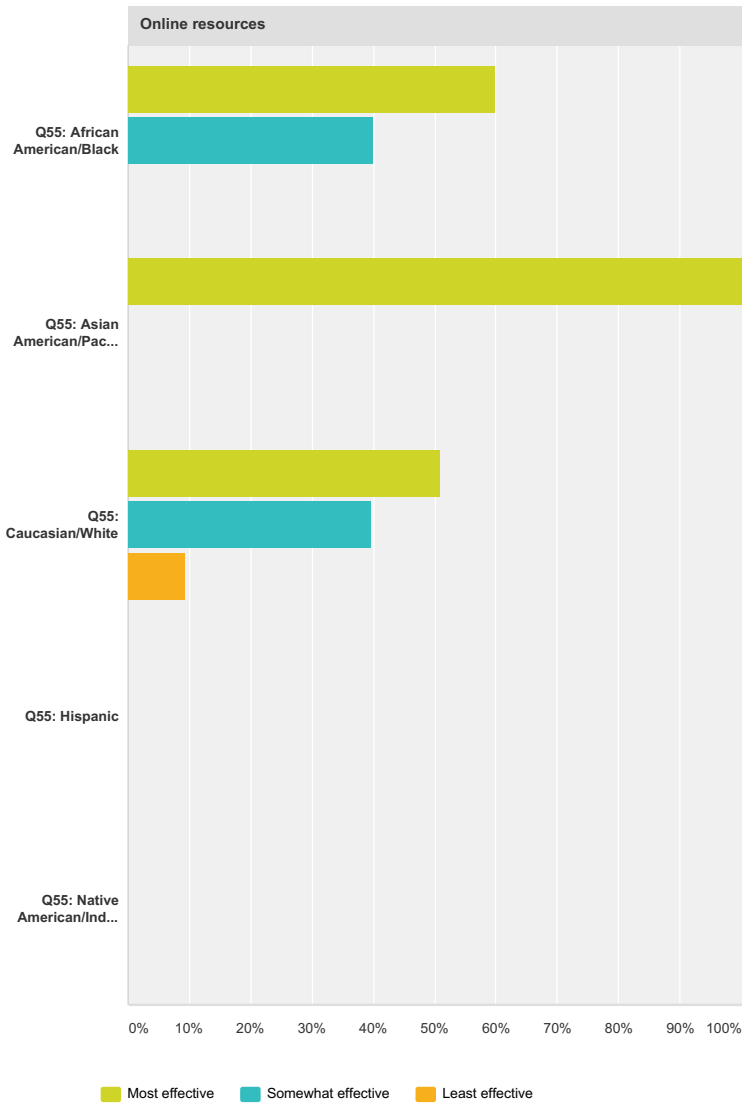
	Q55: African American/Black	Q55: Asian American/Pacific Islander	Q55: Caucasian/White	Q55: Hispanic	Q55: Native American/Indigenous	Total
Other (please specify)	0	0	6	0	0	6

**Q47 What do you believe to be the most effective methods for delivering professional development to CS teachers?  
(Please rank each.)**

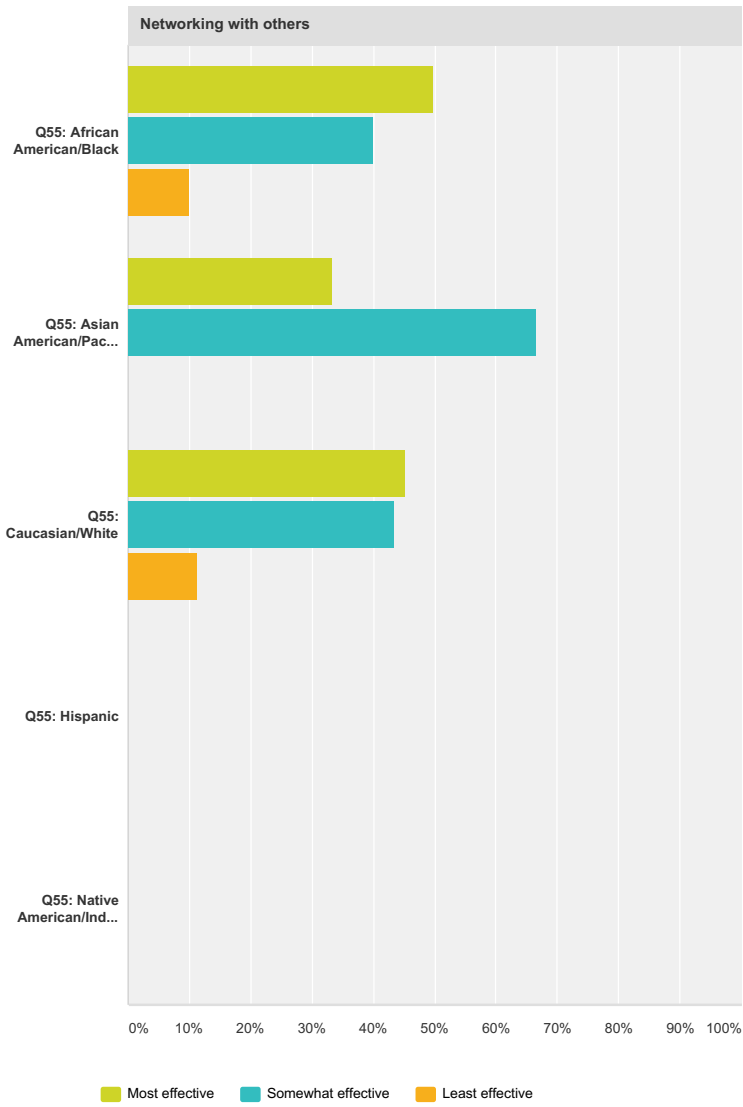
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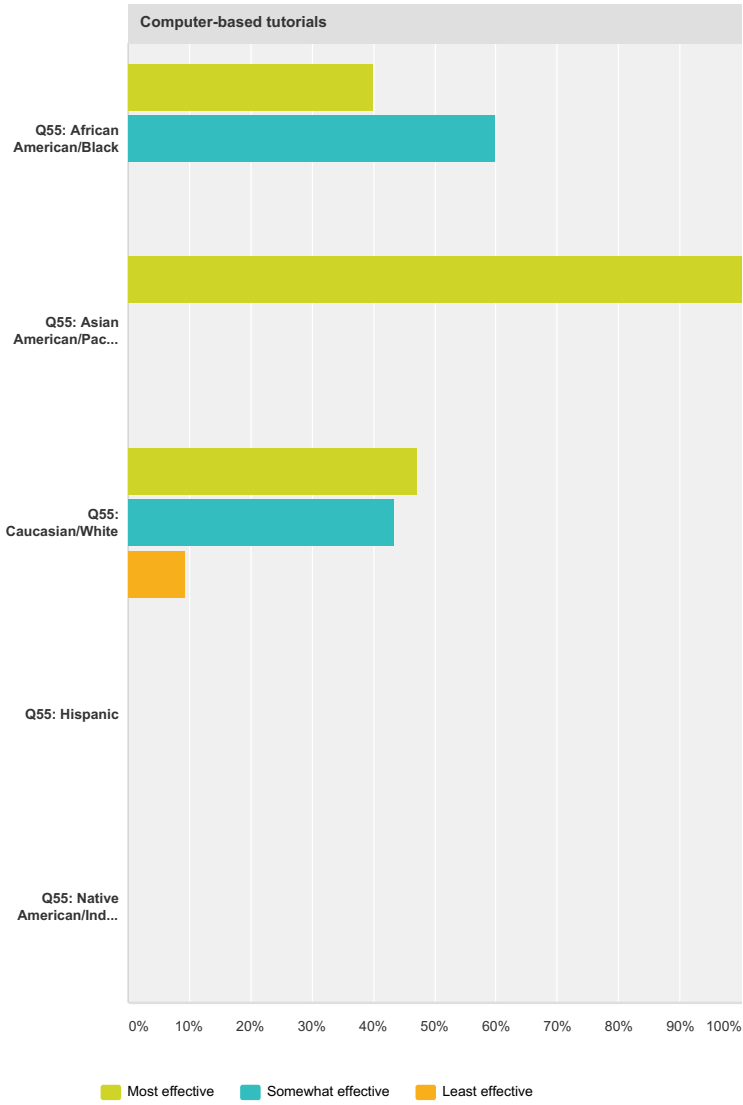
# Maryland High School Computer Science Survey (2014)



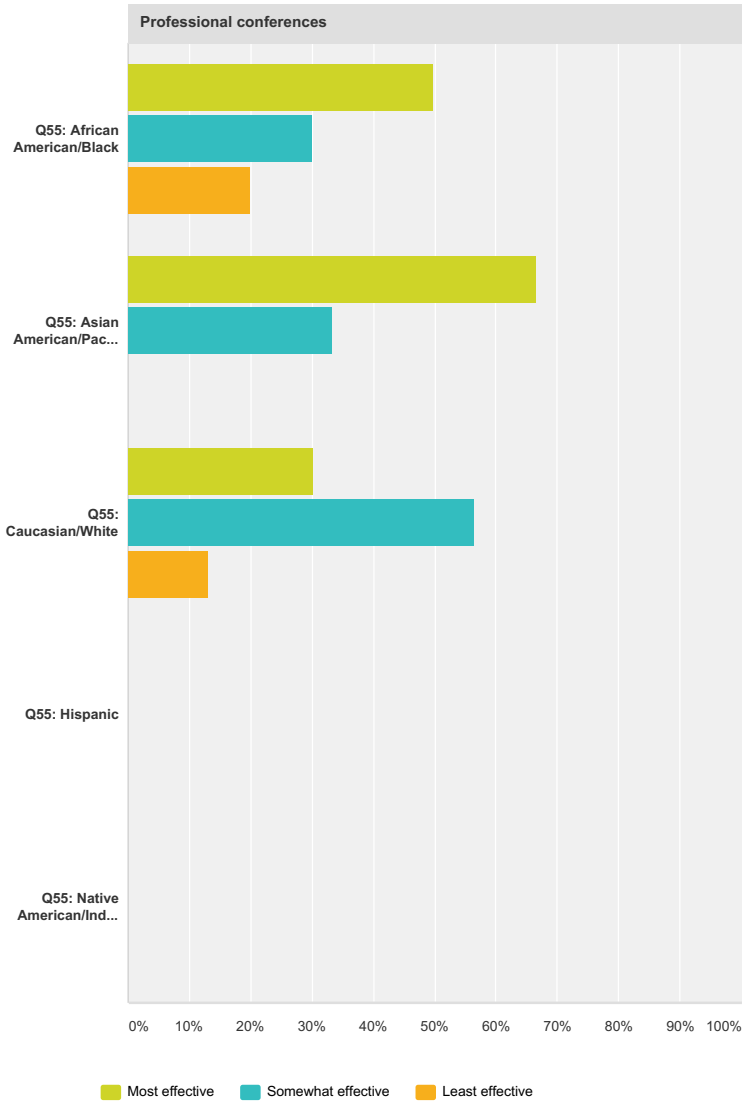
# Maryland High School Computer Science Survey (2014)



# Maryland High School Computer Science Survey (2014)

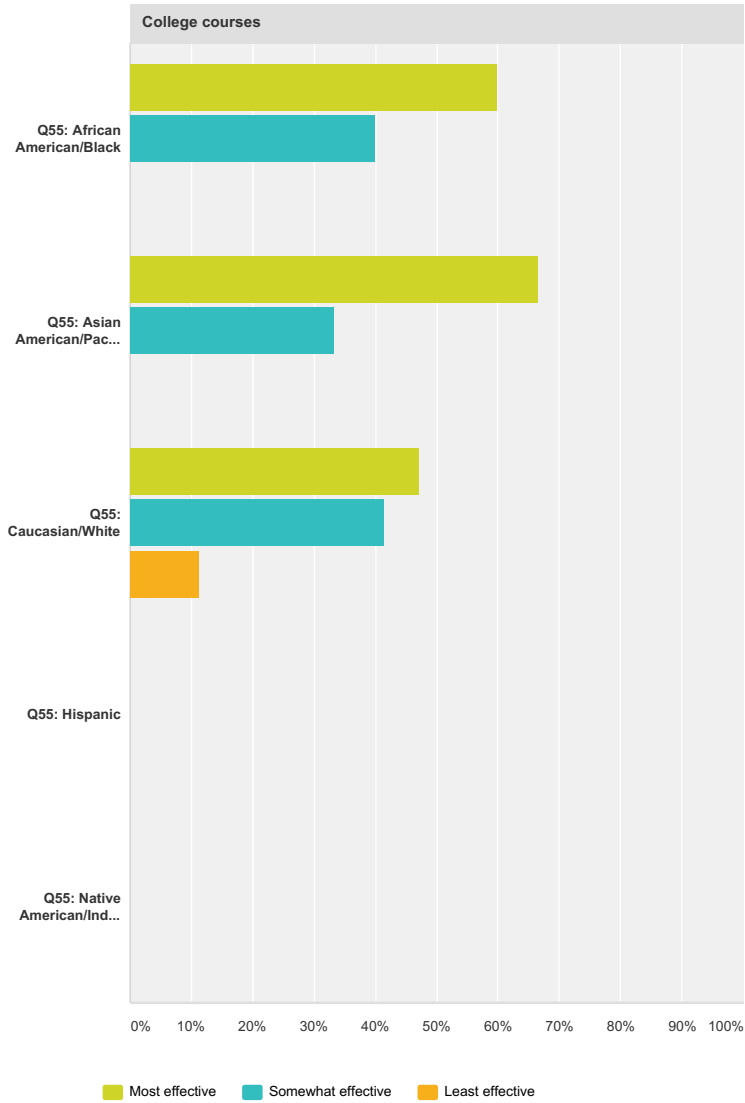


# Maryland High School Computer Science Survey (2014)





# Maryland High School Computer Science Survey (2014)



Workshops/seminars				
	Most effective	Somewhat effective	Least effective	Total
Q55: African American/Black	80.00% 8	20.00% 2	0.00% 0	10
Q55: Asian American/Pacific Islander	66.67% 2	33.33% 1	0.00% 0	3
Q55: Caucasian/White	56.60% 30	39.62% 21	3.77% 2	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0

Online resources				
	Most effective	Somewhat effective	Least effective	Total
Q55: African American/Black	60.00% 6	40.00% 4	0.00% 0	10
Q55: Asian American/Pacific Islander	100.00% 3	0.00% 0	0.00% 0	3
Q55: Caucasian/White	50.94% 27	39.62% 21	9.43% 5	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0

Networking with others				
	Most effective	Somewhat effective	Least effective	Total

## Maryland High School Computer Science Survey (2014)

Q55: African American/Black	50.00% 5	40.00% 4	10.00% 1	10
Q55: Asian American/Pacific Islander	33.33% 1	66.67% 2	0.00% 0	3
Q55: Caucasian/White	45.28% 24	43.40% 23	11.32% 6	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0

Computer-based tutorials				
	Most effective	Somewhat effective	Least effective	Total
Q55: African American/Black	40.00% 4	60.00% 6	0.00% 0	10
Q55: Asian American/Pacific Islander	100.00% 3	0.00% 0	0.00% 0	3
Q55: Caucasian/White	47.17% 25	43.40% 23	9.43% 5	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0

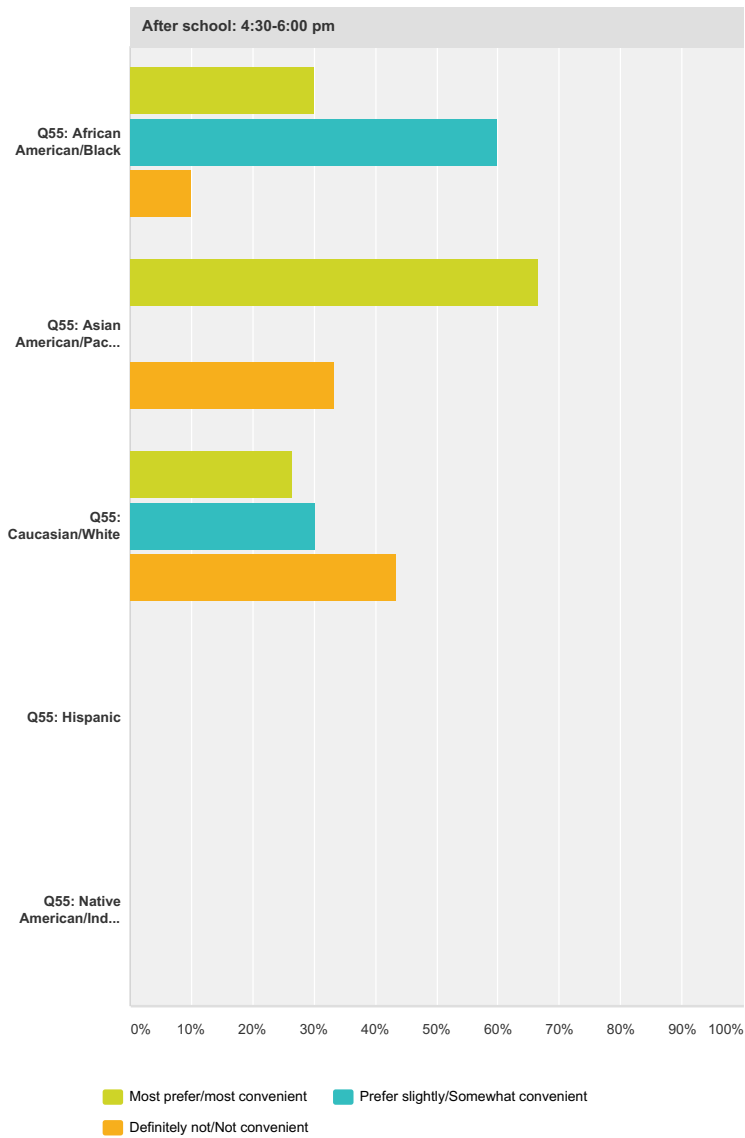
Professional conferences				
	Most effective	Somewhat effective	Least effective	Total
Q55: African American/Black	50.00% 5	30.00% 3	20.00% 2	10
Q55: Asian American/Pacific Islander	66.67% 2	33.33% 1	0.00% 0	3
Q55: Caucasian/White	30.19% 16	56.60% 30	13.21% 7	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0

College courses				
	Most effective	Somewhat effective	Least effective	Total
Q55: African American/Black	60.00% 6	40.00% 4	0.00% 0	10
Q55: Asian American/Pacific Islander	66.67% 2	33.33% 1	0.00% 0	3
Q55: Caucasian/White	47.17% 25	41.51% 22	11.32% 6	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0

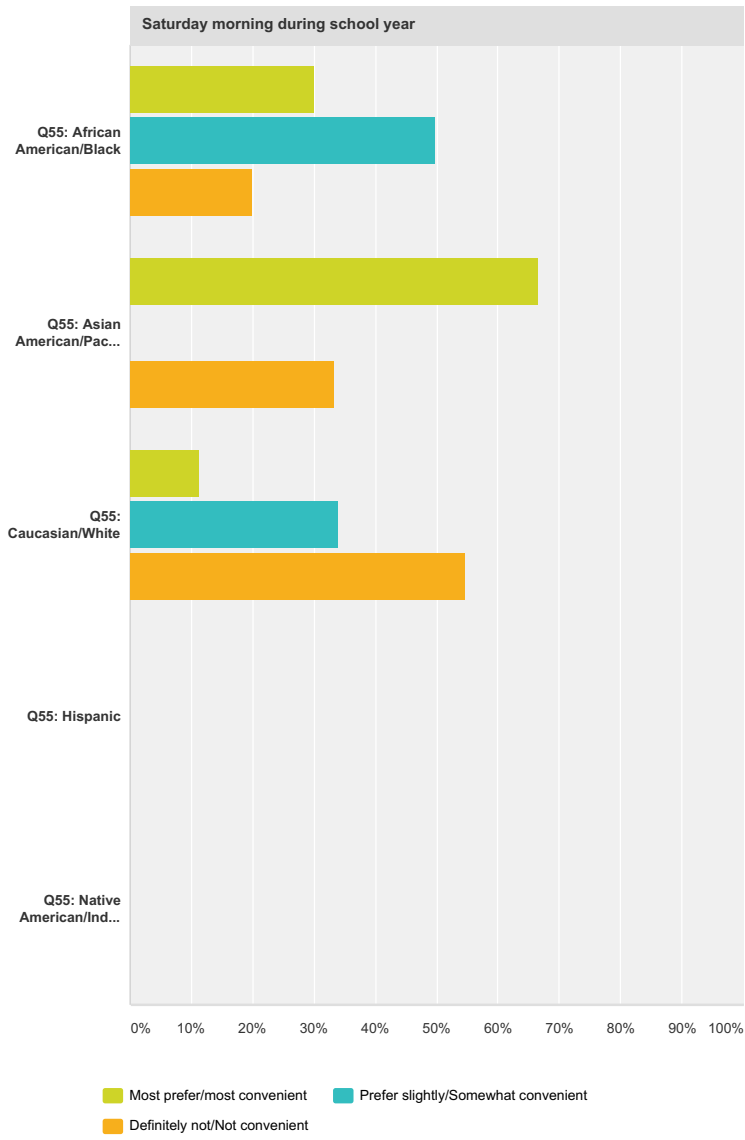
	Q55: African American/Black	Q55: Asian American/Pacific Islander	Q55: Caucasian/White	Q55: Hispanic	Q55: Native American/Indigenous	Total
Other effective methods (please specify)	0	0	4	0	0	4

**Q48 Please rank your preference/the convenience of each of the following times for your participation in professional development activities?**

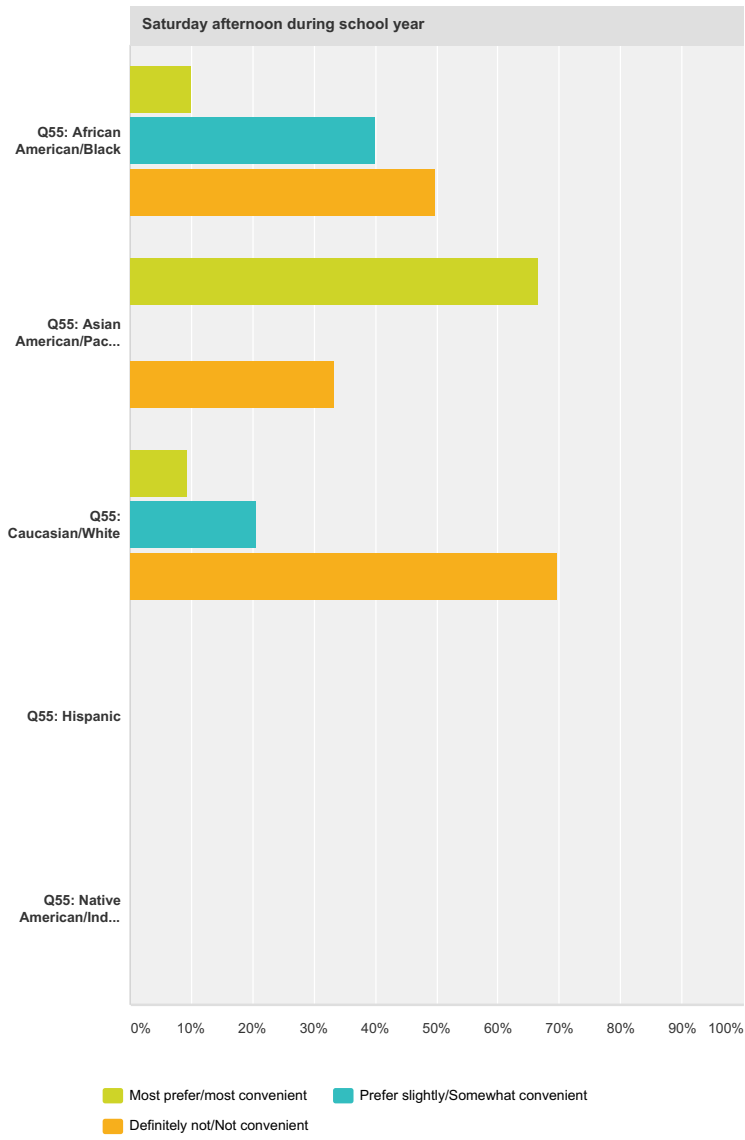
Answered: 66 Skipped: 0



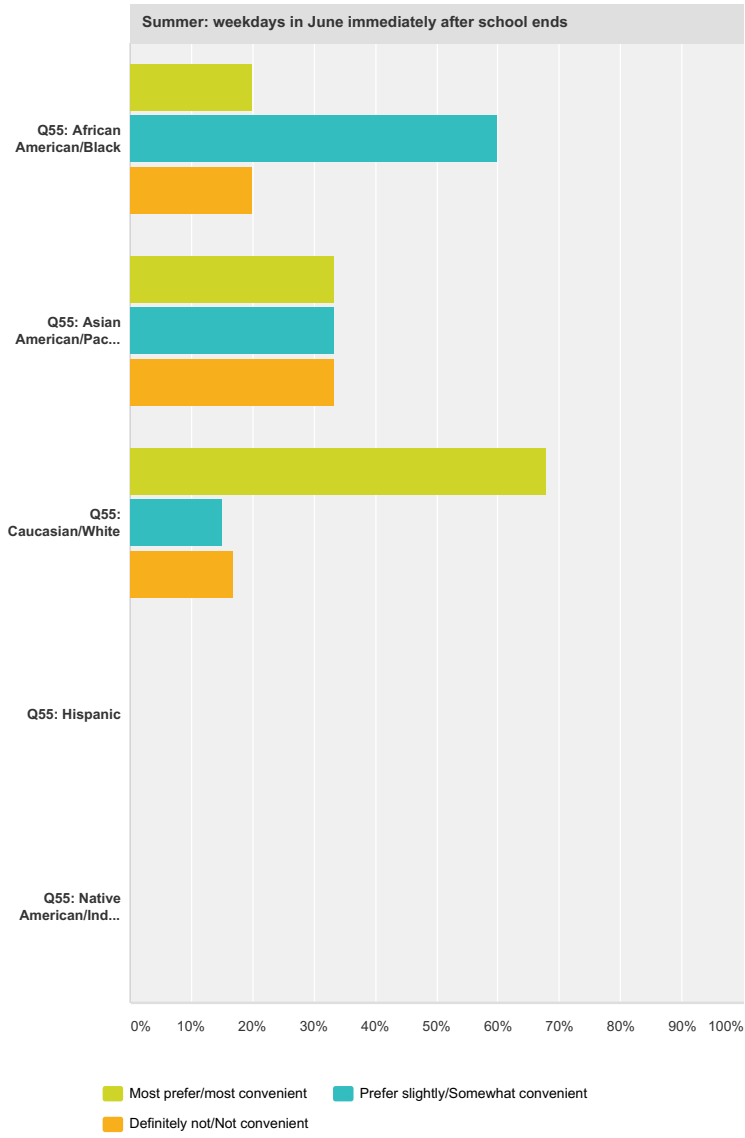
# Maryland High School Computer Science Survey (2014)



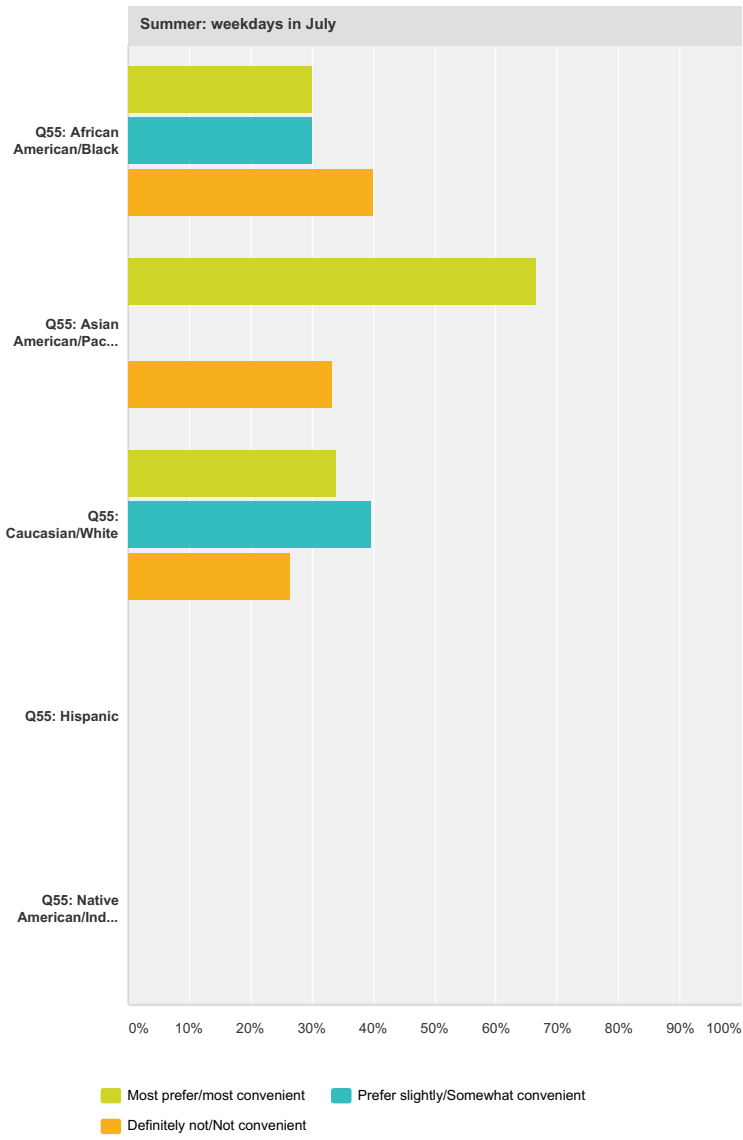
# Maryland High School Computer Science Survey (2014)



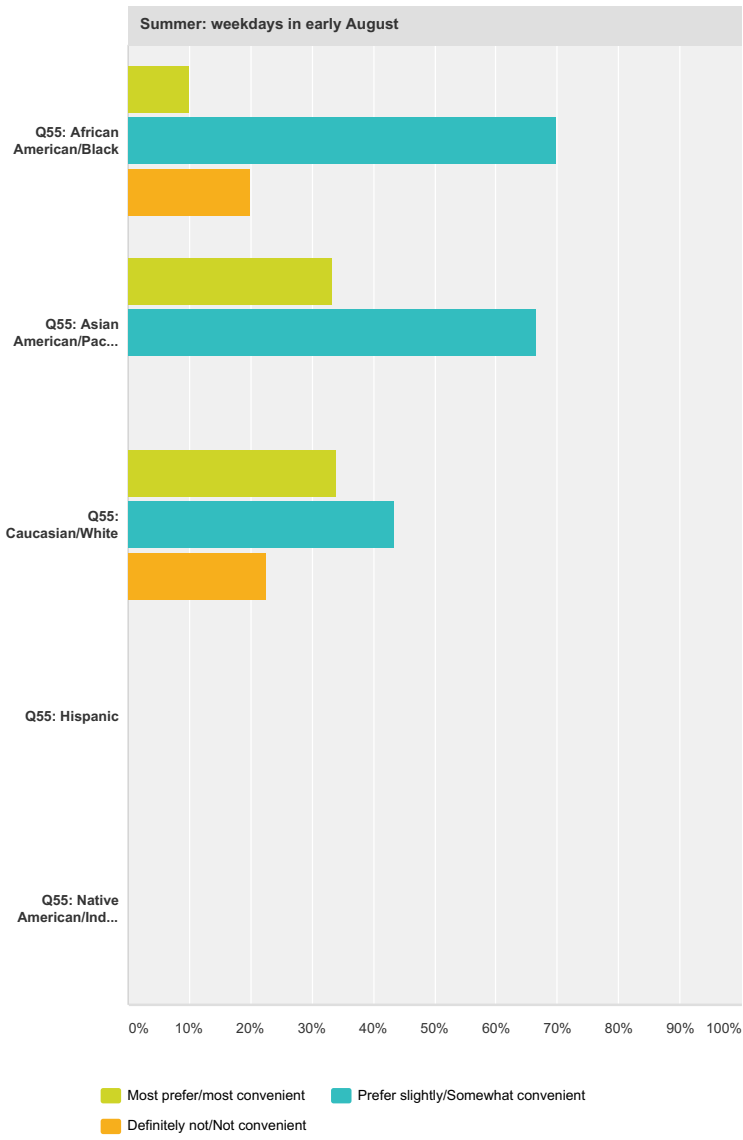
# Maryland High School Computer Science Survey (2014)



# Maryland High School Computer Science Survey (2014)

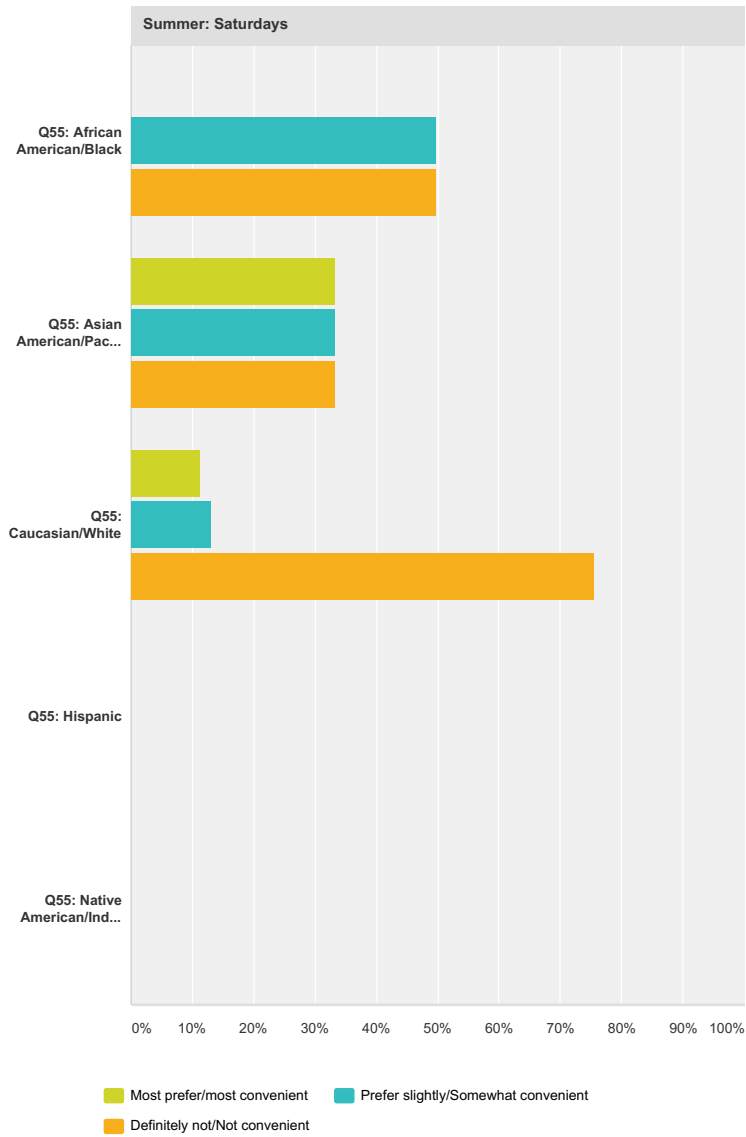


# Maryland High School Computer Science Survey (2014)





# Maryland High School Computer Science Survey (2014)



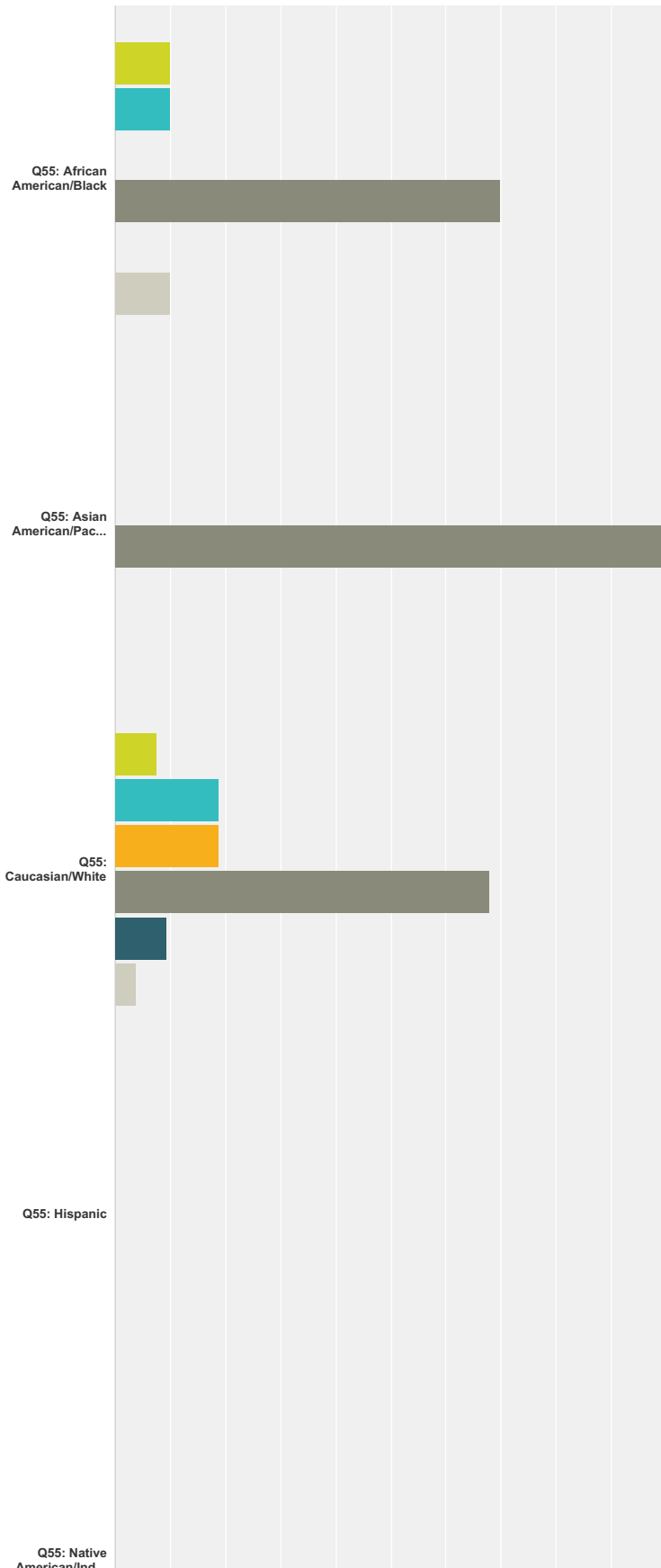
After school: 4:30-6:00 pm				
	Most prefer/most convenient	Prefer slightly/Somewhat convenient	Definitely not/Not convenient	Total
Q55: African American/Black	30.00% 3	60.00% 6	10.00% 1	10
Q55: Asian American/Pacific Islander	66.67% 2	0.00% 0	33.33% 1	3
Q55: Caucasian/White	26.42% 14	30.19% 16	43.40% 23	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
Saturday morning during school year				
	Most prefer/most convenient	Prefer slightly/Somewhat convenient	Definitely not/Not convenient	Total
Q55: African American/Black	30.00% 3	50.00% 5	20.00% 2	10
Q55: Asian American/Pacific Islander	66.67% 2	0.00% 0	33.33% 1	3
Q55: Caucasian/White	11.32% 6	33.96% 18	54.72% 29	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0

## Maryland High School Computer Science Survey (2014)

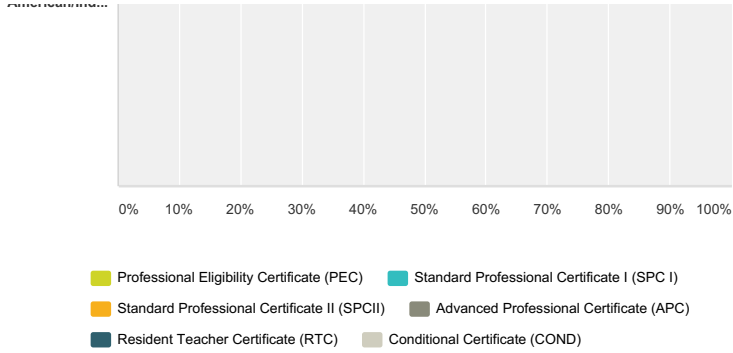
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Saturday afternoon during school year</b>				
	<b>Most prefer/most convenient</b>	<b>Prefer slightly/Somewhat convenient</b>	<b>Definitely not/Not convenient</b>	<b>Total</b>
Q55: African American/Black	10.00% 1	40.00% 4	50.00% 5	10
Q55: Asian American/Pacific Islander	66.67% 2	0.00% 0	33.33% 1	3
Q55: Caucasian/White	9.43% 5	20.75% 11	69.81% 37	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Summer: weekdays in June immediately after school ends</b>				
	<b>Most prefer/most convenient</b>	<b>Prefer slightly/Somewhat convenient</b>	<b>Definitely not/Not convenient</b>	<b>Total</b>
Q55: African American/Black	20.00% 2	60.00% 6	20.00% 2	10
Q55: Asian American/Pacific Islander	33.33% 1	33.33% 1	33.33% 1	3
Q55: Caucasian/White	67.92% 36	15.09% 8	16.98% 9	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Summer: weekdays in July</b>				
	<b>Most prefer/most convenient</b>	<b>Prefer slightly/Somewhat convenient</b>	<b>Definitely not/Not convenient</b>	<b>Total</b>
Q55: African American/Black	30.00% 3	30.00% 3	40.00% 4	10
Q55: Asian American/Pacific Islander	66.67% 2	0.00% 0	33.33% 1	3
Q55: Caucasian/White	33.96% 18	39.62% 21	26.42% 14	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Summer: weekdays in early August</b>				
	<b>Most prefer/most convenient</b>	<b>Prefer slightly/Somewhat convenient</b>	<b>Definitely not/Not convenient</b>	<b>Total</b>
Q55: African American/Black	10.00% 1	70.00% 7	20.00% 2	10
Q55: Asian American/Pacific Islander	33.33% 1	66.67% 2	0.00% 0	3
Q55: Caucasian/White	33.96% 18	43.40% 23	22.64% 12	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0
<b>Summer: Saturdays</b>				
	<b>Most prefer/most convenient</b>	<b>Prefer slightly/Somewhat convenient</b>	<b>Definitely not/Not convenient</b>	<b>Total</b>
Q55: African American/Black	0.00% 0	50.00% 5	50.00% 5	10
Q55: Asian American/Pacific Islander	33.33% 1	33.33% 1	33.33% 1	3
Q55: Caucasian/White	11.32% 6	13.21% 7	75.47% 40	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0

**Q49 Which of the following certifications do you currently hold? (Check all that apply.)**

Answered: 66 Skipped: 0



# Maryland High School Computer Science Survey (2014)

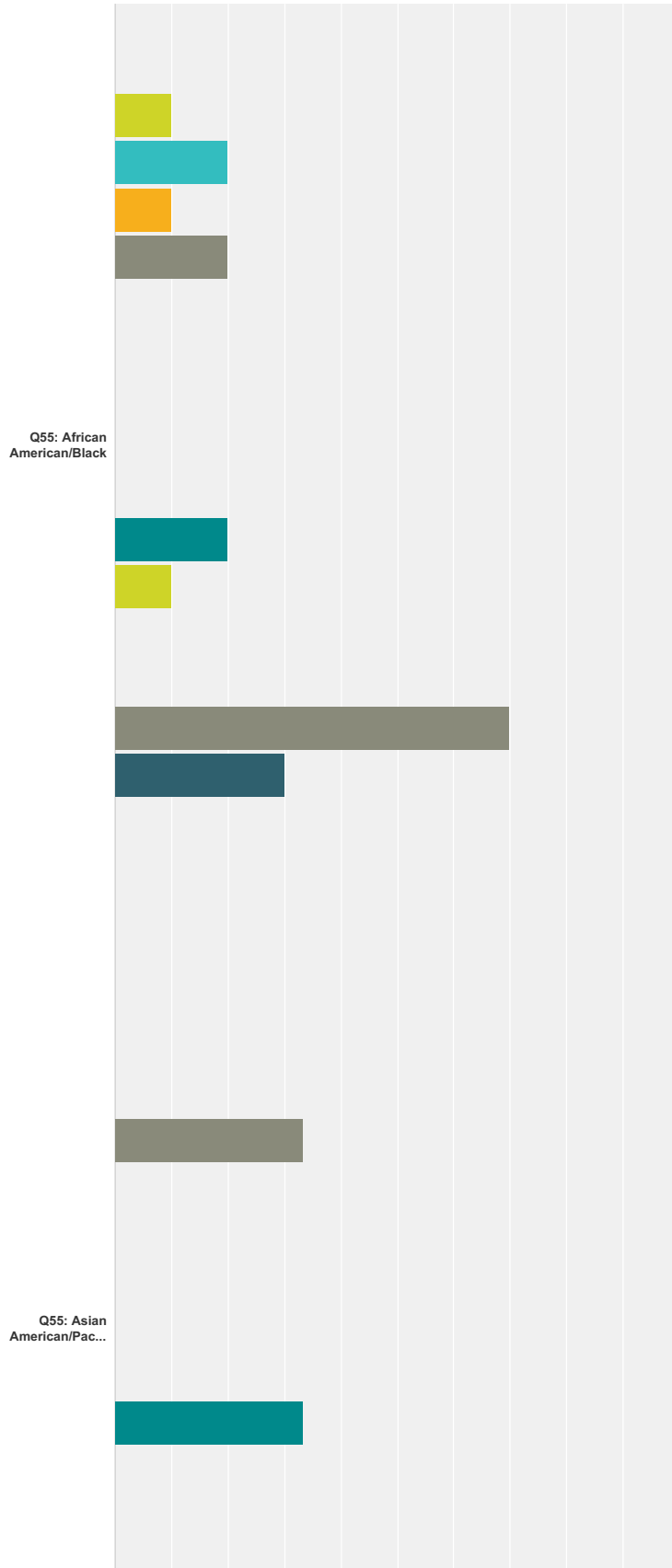


	Professional Eligibility Certificate (PEC)	Standard Professional Certificate I (SPC I)	Standard Professional Certificate II (SPCII)	Advanced Professional Certificate (APC)	Resident Teacher Certificate (RTC)	Conditional Certificate (COND)	Total
Q55: African American/Black	10.00% 1	10.00% 1	0.00% 0	70.00% 7	0.00% 0	10.00% 1	10
Q55: Asian American/Pacific Islander	0.00% 0	0.00% 0	0.00% 0	100.00% 3	0.00% 0	0.00% 0	3
Q55: Caucasian/White	7.55% 4	18.87% 10	18.87% 10	67.92% 36	9.43% 5	3.77% 2	67
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	5	11	10	46	5	3	66

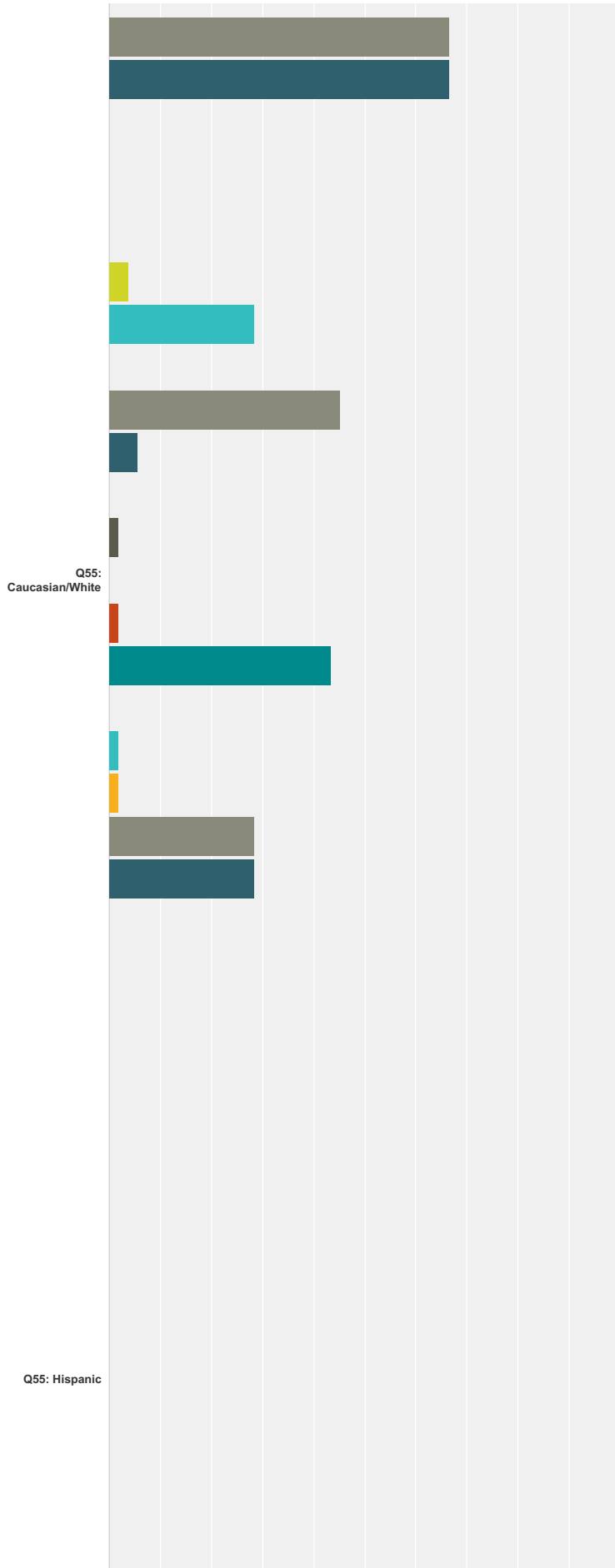
# Maryland High School Computer Science Survey (2014)

**Q50 In which of the following areas are you certified to teach in Maryland? (Check all that apply.)**

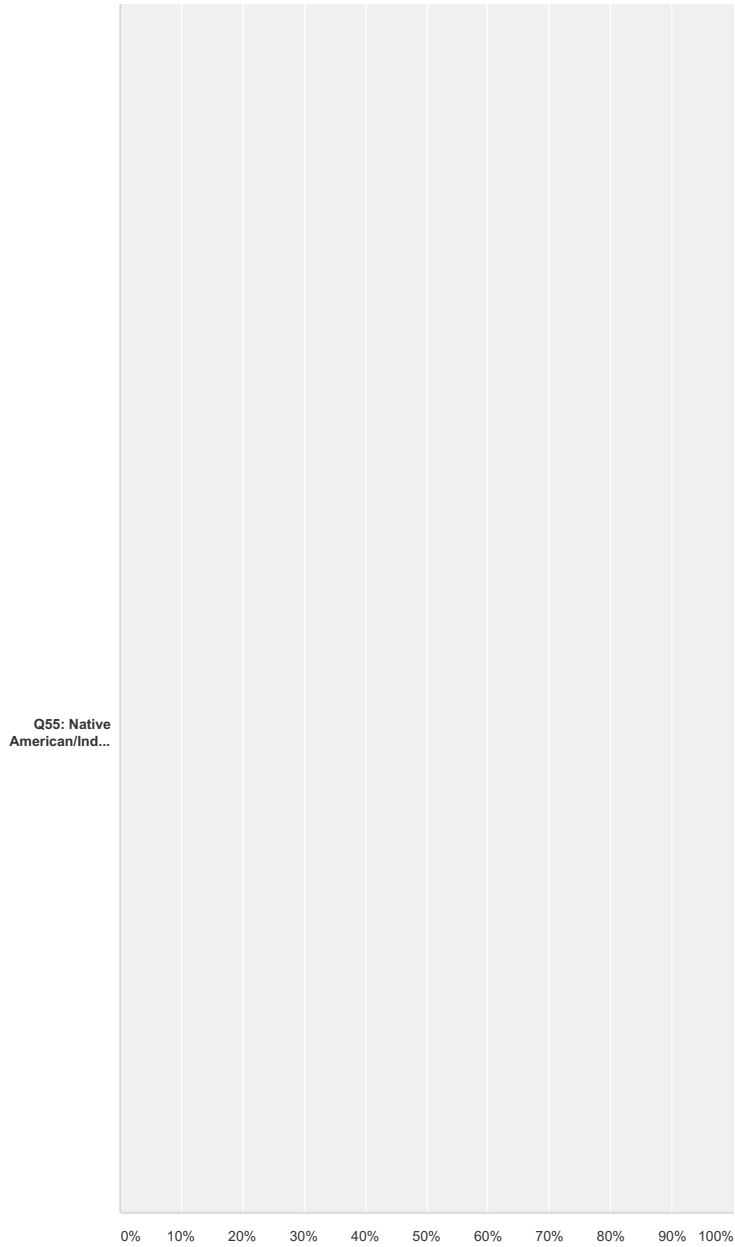
Answered: 66 Skipped: 0



# Maryland High School Computer Science Survey (2014)



# Maryland High School Computer Science Survey (2014)



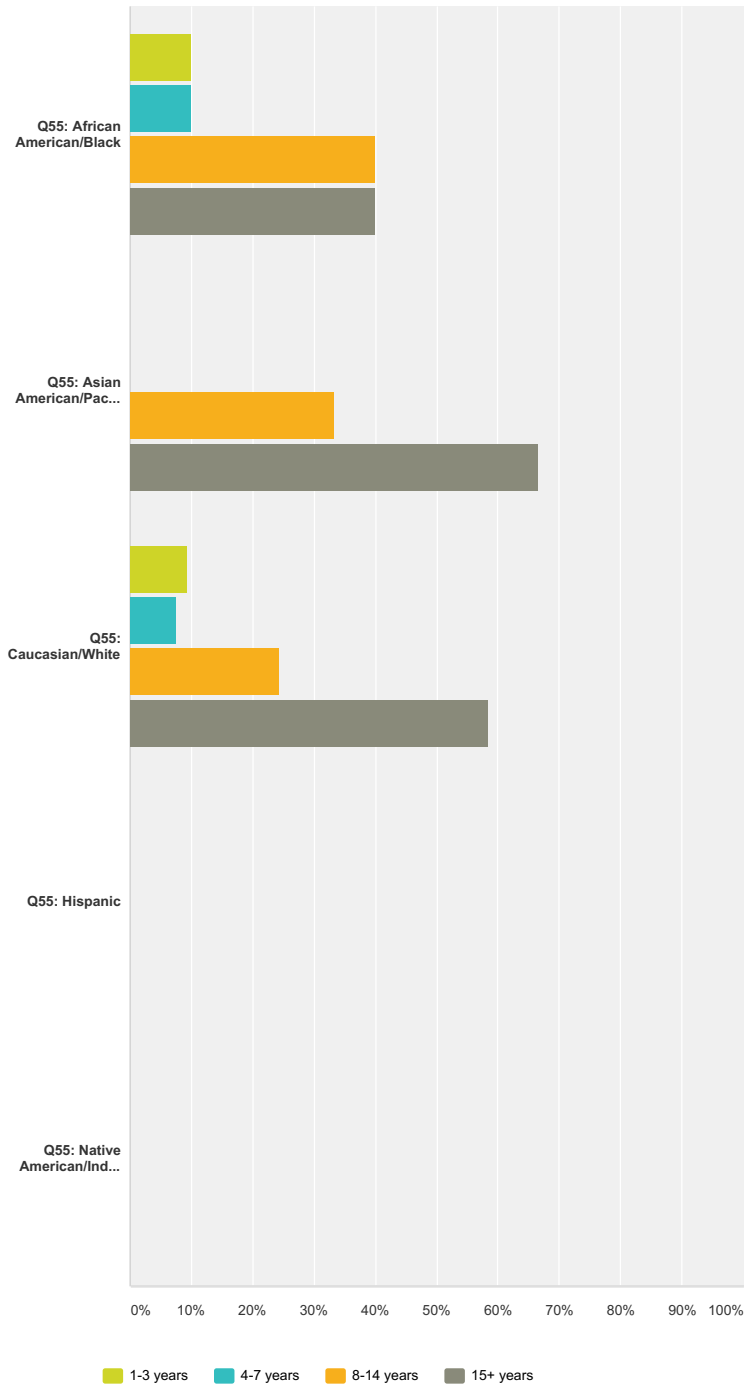
- Biology
- Business Education
- Chemistry
- Computer Science
- Data Processing
- Earth/Space Science
- English
- History
- Marketing Education
- Mathematics
- Physical Science
- Physics
- Social Studies
- Technology Education
- Other (please specify)

	Biology	Business Education	Chemistry	Computer Science	Data Processing	Earth/Space Science	English	History	Marketing Education	Mathematics	Physical Science	Physics	Social Studies	Technology Education
Q55: African American/Black	10.00% 1	20.00% 2	10.00% 1	20.00% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	20.00% 2	10.00% 1	0.00% 0	0.00% 0	70.00% 7
Q55: Asian American/Pacific Islander	0.00% 0	0.00% 0	0.00% 0	33.33% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	33.33% 1	0.00% 0	0.00% 0	0.00% 0	66.67% 2
Q55: Caucasian/White	3.77% 2	28.30% 15	0.00% 0	45.28% 24	5.66% 3	0.00% 0	1.89% 1	0.00% 0	1.89% 1	43.40% 23	0.00% 0	1.89% 1	1.89% 1	28.30% 15
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0
<b>Total Respondents</b>	3	17	1	27	3	0	1	0	1	26	1	1	1	24

# Maryland High School Computer Science Survey (2014)

## Q51 How many years have you been teaching?

Answered: 66 Skipped: 0



	1-3 years	4-7 years	8-14 years	15+ years	Total
Q55: African American/Black	10.00% 1	10.00% 1	40.00% 4	40.00% 4	10
Q55: Asian American/Pacific Islander	0.00% 0	0.00% 0	33.33% 1	66.67% 2	3
Q55: Caucasian/White	9.43% 5	7.55% 4	24.53% 13	58.49% 31	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0

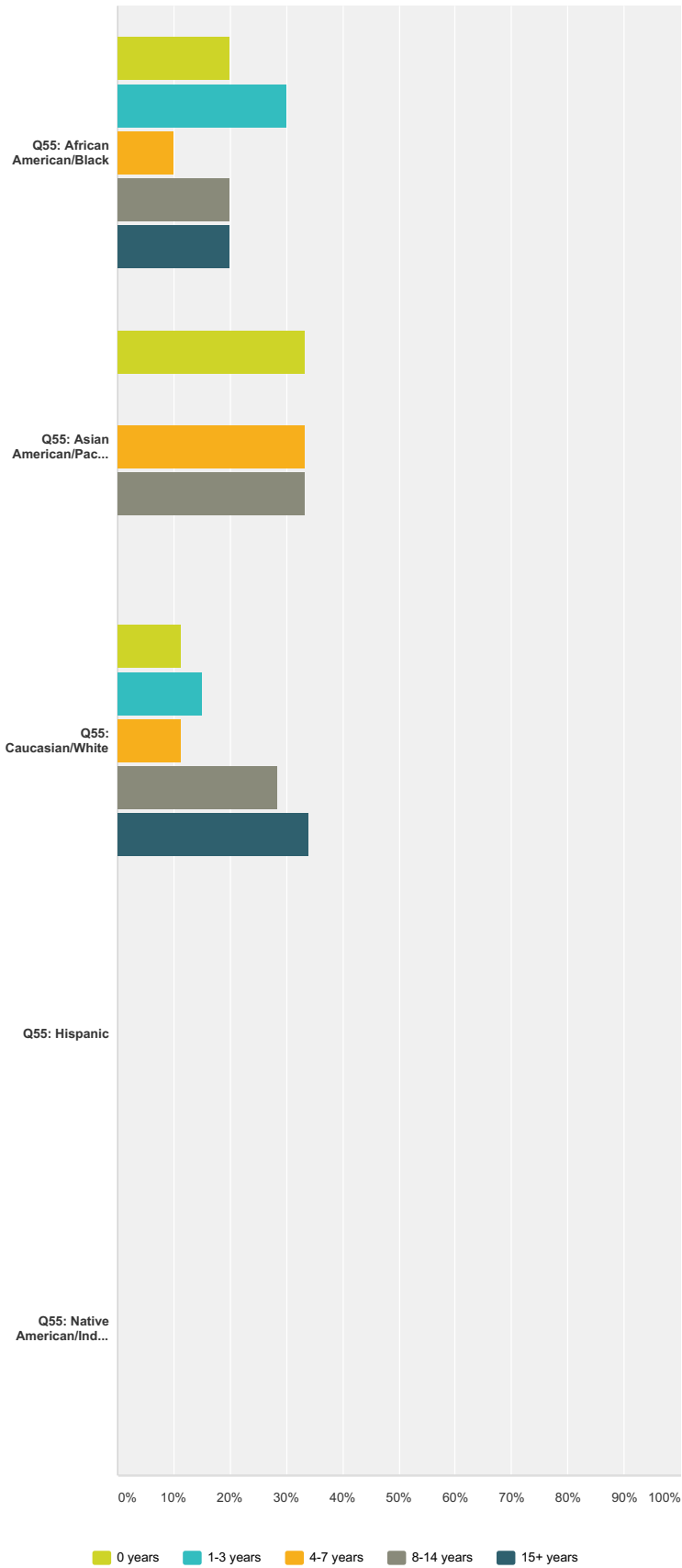


# Maryland High School Computer Science Survey (2014)

Total Respondents	6	5	18	37	66
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**Q52 How many years have you been teaching CS/IT?**

Answered: 66 Skipped: 0



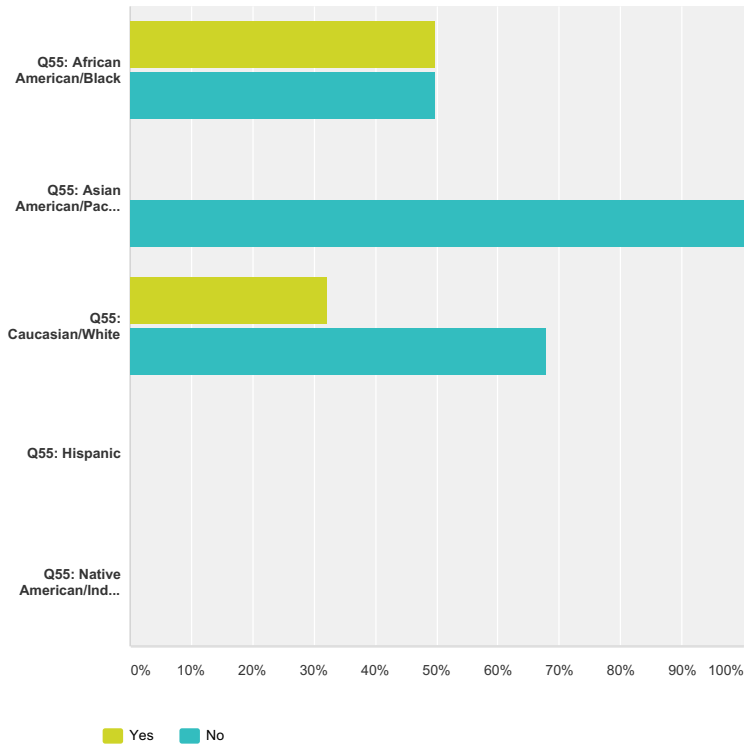
## Maryland High School Computer Science Survey (2014)

	0 years	1-3 years	4-7 years	8-14 years	15+ years	Total
Q55: African American/Black	20.00% 2	30.00% 3	10.00% 1	20.00% 2	20.00% 2	10
Q55: Asian American/Pacific Islander	33.33% 1	0.00% 0	33.33% 1	33.33% 1	0.00% 0	3
Q55: Caucasian/White	11.32% 6	15.09% 8	11.32% 6	28.30% 15	33.96% 18	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	9	11	8	18	20	66

# Maryland High School Computer Science Survey (2014)

## Q53 Did you work in the CS/IT industry prior to teaching?

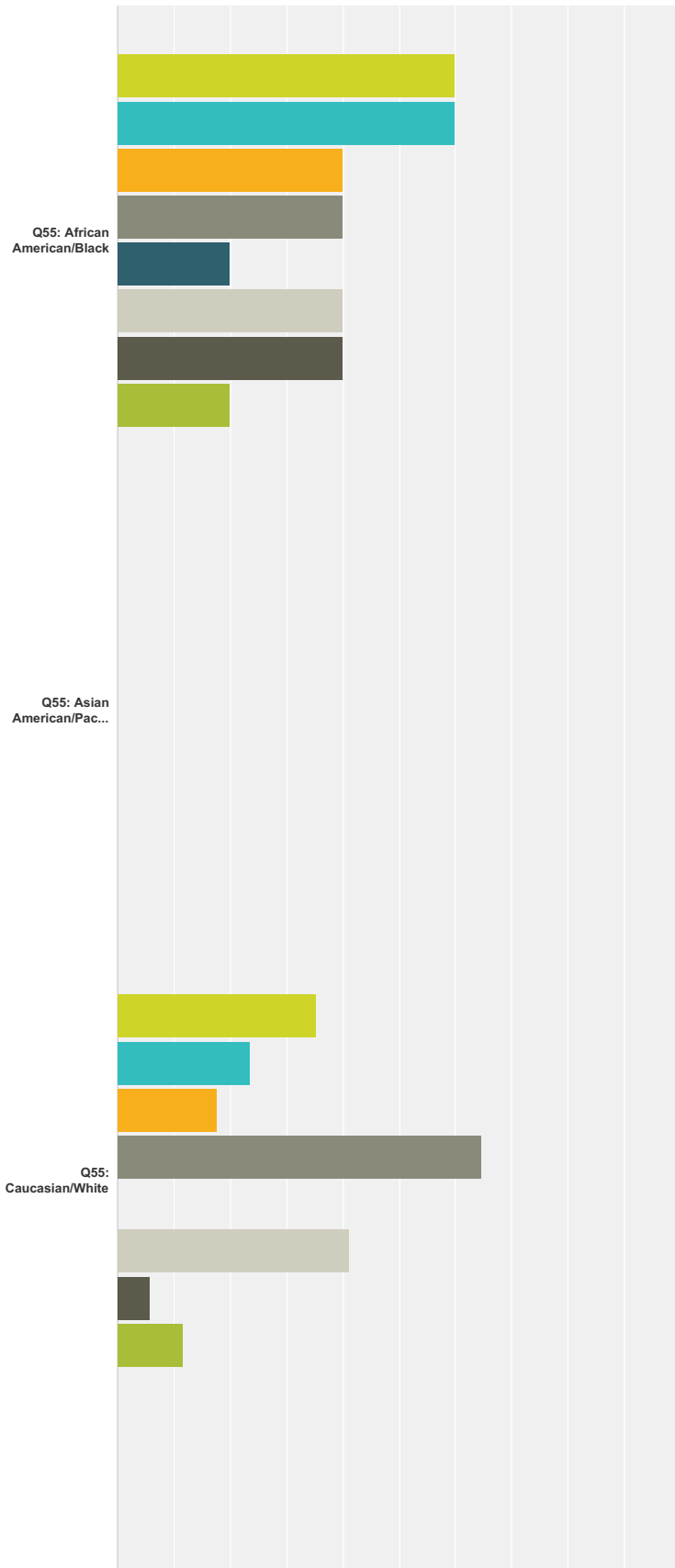
Answered: 66 Skipped: 0



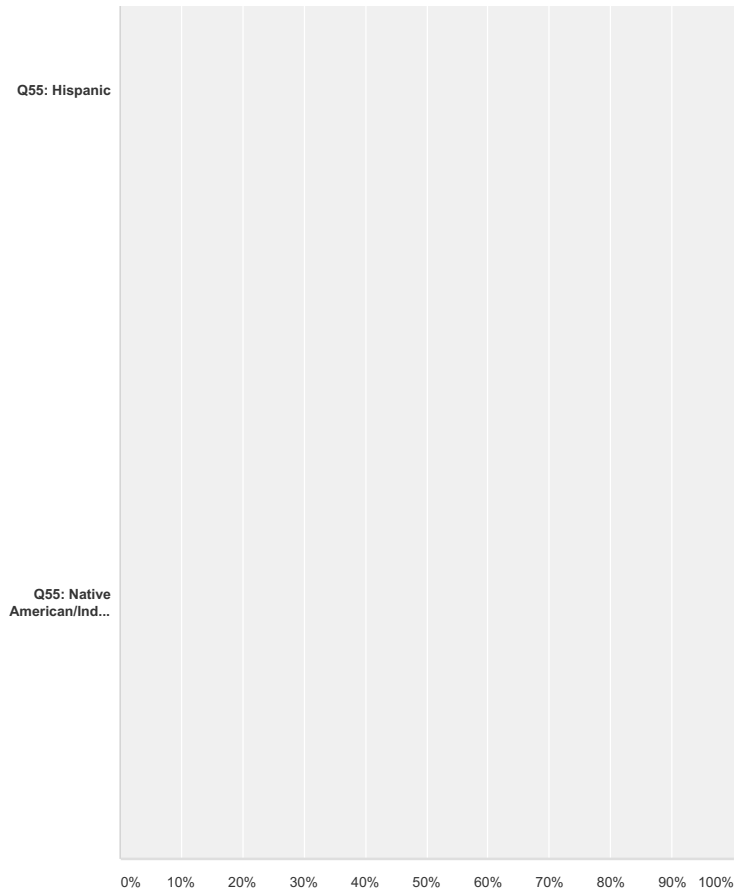
	Yes	No	Total
Q55: African American/Black	50.00% 5	50.00% 5	10
Q55: Asian American/Pacific Islander	0.00% 0	100.00% 3	3
Q55: Caucasian/White	32.08% 17	67.92% 36	53
Q55: Hispanic	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	22	44	66

**Q54 What type of CS industry job did you previously have before you became a CS teacher? (Check all that apply.)**

Answered: 22 Skipped: 44



# Maryland High School Computer Science Survey (2014)



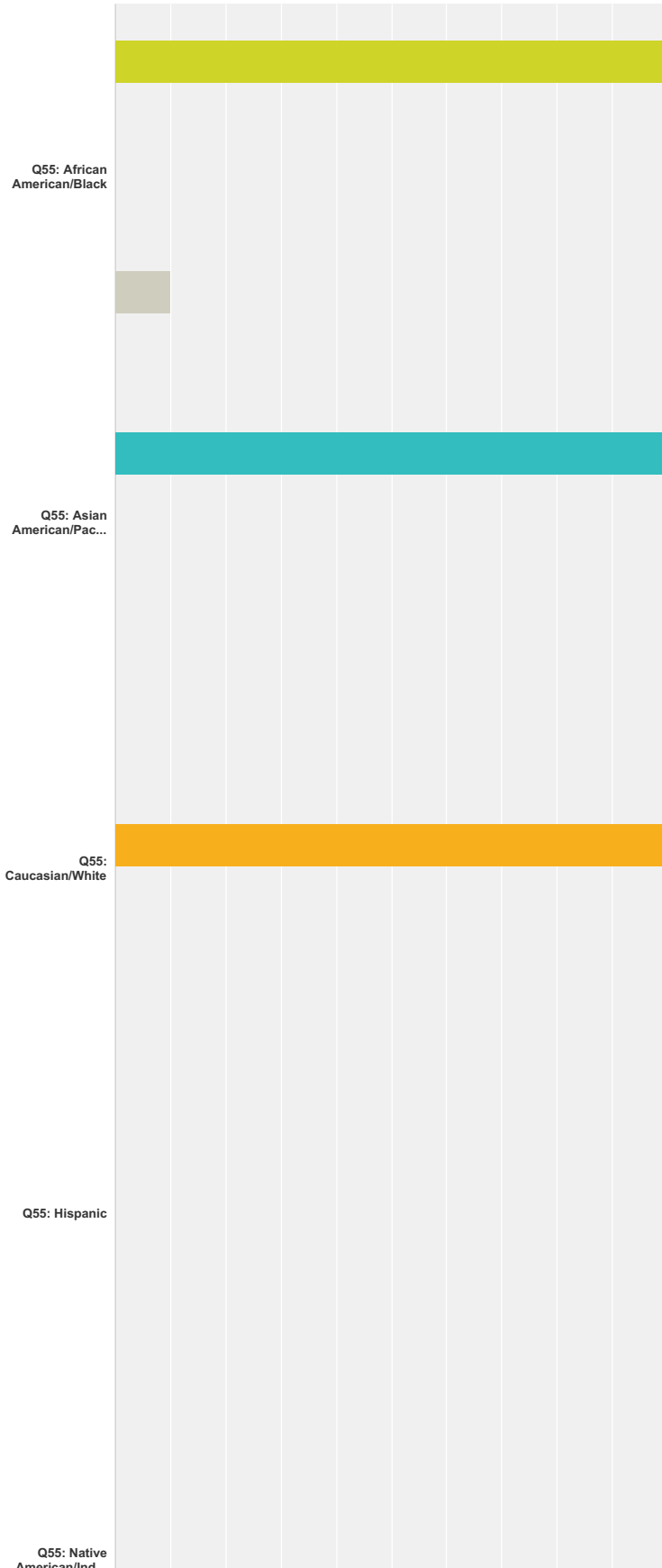
- Database Administrator
- Help Desk Technician
- Network Architect/Administrator
- Programmer
- Security Specialist
- Software Engineer
- Software Quality Assurance Analyst
- Web Administrator/Developer

	Database Administrator	Help Desk Technician	Network Architect/Administrator	Programmer	Security Specialist	Software Engineer	Software Quality Assurance Analyst	Web Administrator/Developer	Total
Q55: African American/Black	60.00% 3	60.00% 3	40.00% 2	40.00% 2	20.00% 1	40.00% 2	40.00% 2	20.00% 1	16
Q55: Asian American/Pacific Islander	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Caucasian/White	35.29% 6	23.53% 4	17.65% 3	64.71% 11	0.00% 0	41.18% 7	5.88% 1	11.76% 2	34
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	9	7	5	13	1	9	3	3	22
	<b>Other (please specify)</b>							<b>Total</b>	
Q55: African American/Black								1	1
Q55: Asian American/Pacific Islander								0	0
Q55: Caucasian/White								2	2
Q55: Hispanic								0	0
Q55: Native American/Indigenous								0	0

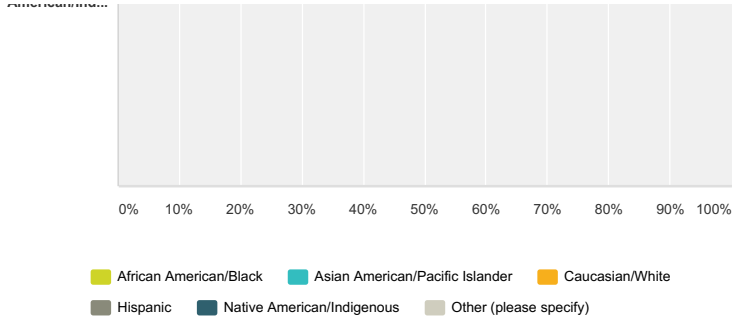
# Maryland High School Computer Science Survey (2014)

## Q55 How do you identify yourself? (Check all that apply.)

Answered: 66 Skipped: 0



# Maryland High School Computer Science Survey (2014)



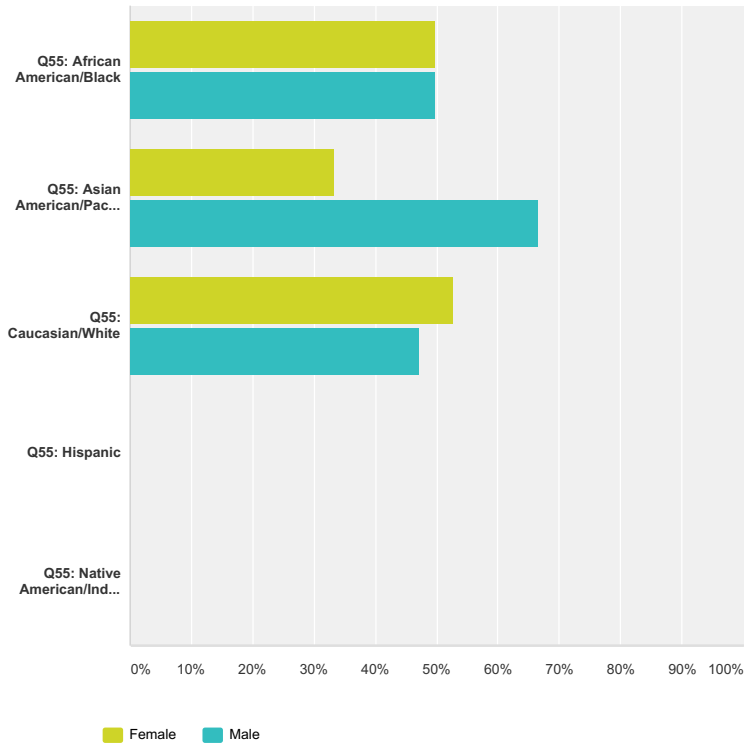
	African American/Black	Asian American/Pacific Islander	Caucasian/White	Hispanic	Native American/Indigenous	Other (please specify)	Total
Q55: African American/Black	100.00% 10	0.00% 0	0.00% 0	0.00% 0	0.00% 0	10.00% 1	11
Q55: Asian American/Pacific Islander	0.00% 0	100.00% 3	0.00% 0	0.00% 0	0.00% 0	0.00% 0	3
Q55: Caucasian/White	0.00% 0	0.00% 0	100.00% 53	0.00% 0	0.00% 0	0.00% 0	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	10	3	53	0	0	1	66



# Maryland High School Computer Science Survey (2014)

## Q56 Sex:

Answered: 66 Skipped: 0

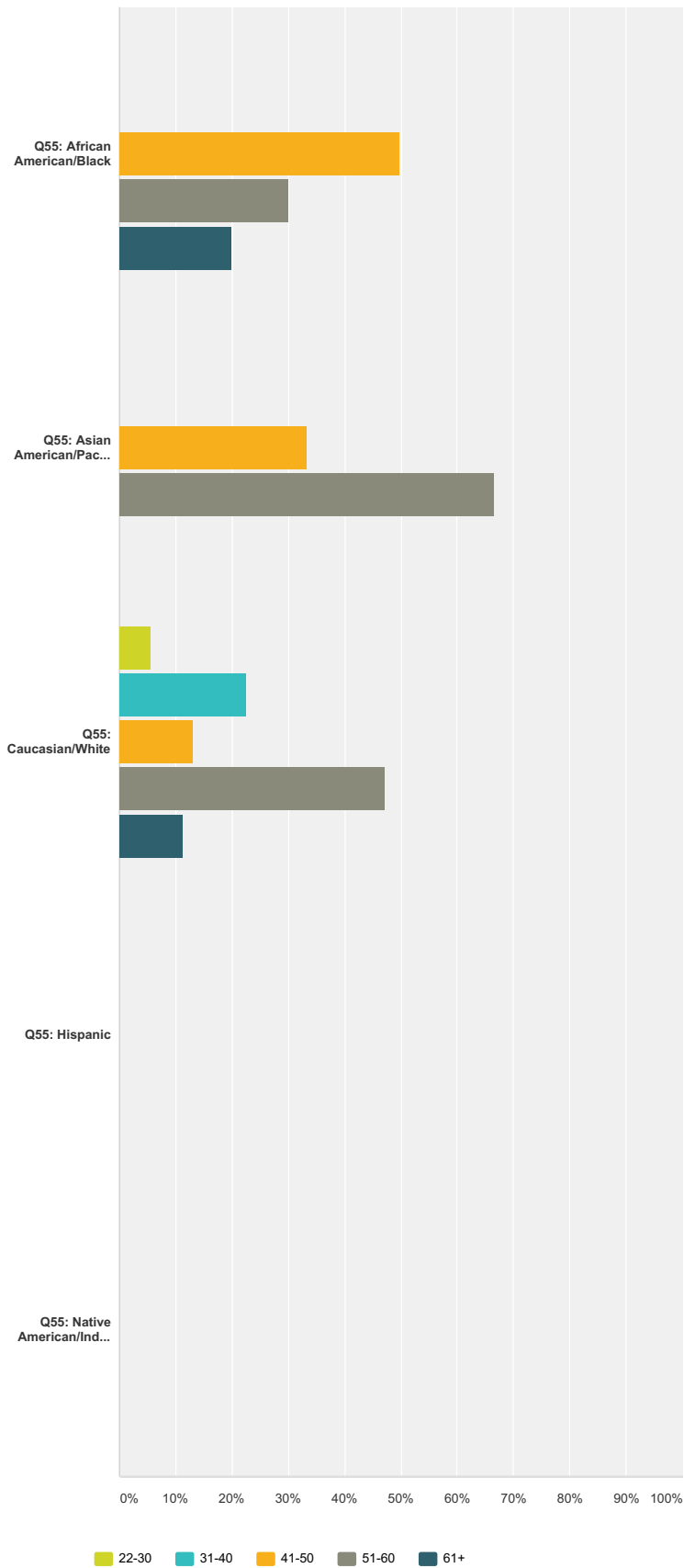


	Female	Male	Total
Q55: African American/Black	50.00% 5	50.00% 5	10
Q55: Asian American/Pacific Islander	33.33% 1	66.67% 2	3
Q55: Caucasian/White	52.83% 28	47.17% 25	53
Q55: Hispanic	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	34	32	66

# Maryland High School Computer Science Survey (2014)

## Q57 What is your age?

Answered: 66 Skipped: 0



## Maryland High School Computer Science Survey (2014)

	22-30	31-40	41-50	51-60	61+	Total
Q55: African American/Black	0.00% 0	0.00% 0	50.00% 5	30.00% 3	20.00% 2	10
Q55: Asian American/Pacific Islander	0.00% 0	0.00% 0	33.33% 1	66.67% 2	0.00% 0	3
Q55: Caucasian/White	5.66% 3	22.64% 12	13.21% 7	47.17% 25	11.32% 6	53
Q55: Hispanic	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Q55: Native American/Indigenous	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
<b>Total Respondents</b>	3	12	13	30	8	66