

Muhlenberg Coll, PA, 9/16-9/19

Poll bias score 65 to Dems, not severe but defin excessive bias, will adjust each biased category average all categories with the original topline

POLL BIAS CACLULATOR

Bias Multiplier (Level of Bias Significance)	Party ID	Gender	Education	Region	Racial Demo	Age Demo
	10	6	6	3	5	5
Bias by Category	20	-18	-12	0	45	30
OVERALL 2024 POLL BIAS (+ is Dem, - is GOP bias)	65 SCALE>>>		MILD BIAS (0-50)	DEFINITE BIAS, EXCESSIVE (50-100)	SEVERE BIAS (100+)	

Understanding the Overall Poll Bias Score – A perfect bias score as compared to the 2020 exit polls equals a 0 value. A positive score equals a Democratic bias. A negative score equals a Republican bias. The higher the value of the number, the worse the bias. I will adjust polls with this score in mind. Usually the adjustment is straightforward in that I can apply the proper party ID, gender ID, education ID to the party votes provided in the cross tabs. Sometimes pollsters hide the party ID, gender ID or education ID, but I have methods of inferring those. The calculators for inferring these party ID values can be found below. Regional bias usually can't be inferred, although if they provide how each region votes they can.

	Dem 2020 Exit Poll	GOP 2020 Exit Poll	Dem 2024 Poll	GOP 2024 Poll (Enter as a negative number)	Ind
Party ID Values	40	41	45	44	9
Party ID Difference	5	3			
Party ID Bias Score (+ is Dem, - is GOP bias)	2				

Sheet1

	Female 2020 Exit Poll	Male 2020 Exit Poll	Female 2024 Poll	Male 2024 Poll
Gender ID Values	53	47	51	48
Gender ID Bias	-2	1		
Final Gender ID Bias (+ is Dem, - is GOP bias)	-3			

	College Degree or + 2020 Exit Poll	No College Degree or + 2020 Exit Poll	College Degree or + 2024 Exit Poll	No College Degree or + 2024 Exit Poll (Enter as a negative number)
Education Values	40	60	39	61
Education Bias	-1	1		
Education Bias Final Score (+ is Dem, - is GOP bias)	-2			

	Northeast 2020 Exit Poll	South 2020 Exit Poll	Midwest 2020 Exit Poll	West 2020 Exit Poll	North- east 2024 Poll	South 2024 Poll
Regional Values (national polls only)						
Regional Bias (National Polls Only)	0	0	0	0		
Regional Bias Score (+ is Dem, - is GOP bias)	0					

	White 2020 Exit Poll	Black 2020 Exit Poll	Asian 2020 Exit Poll	Latino 2020 Exit Poll	White 2024 Exit Poll	Black 2024 Exit Poll
Racial ID percentage	81	11	1	5	74	10

Sheet1

Racial Polling
Sample Bias -7 -1 2 1

Racial Bias
Score (+ is
GOP, - is Dem
bias) **9**

	18-29 Exit Poll	30-44 Exit Poll	45-64 Exit Poll	65+ Exit Poll	18-29 2024 Poll	30-44 2024 Poll
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0		
Age Bias Score	0					

	18-35 Exit Poll	36-44 Exit Poll	45+ Exit Poll	n/a	18-35 2024	36-44 2024
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0		
Age Bias Score	0					

	18-35 Exit Poll	36-44 Exit Poll	45+ Exit Poll	n/a	18-35 2024	36-44 2024
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0		
Age Bias Score	0					

	18-45 Exit Poll	45-64 Exit Poll	65+ Exit Poll	n/a	18-45	45-64
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0		
Age Bias Score	0					

	18-34 Exit Poll	35-49 Exit Poll	50-64 Exit Poll	65+ Exit Poll	18-34 2024 poll	35-49 2024 poll
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0		
Age Bias Score	0					

	18-29 Exit Poll	30-39 Exit Poll	40-49 Exit Poll	50-64 Exit Poll	65+ Exit Poll	18-29 Exit Poll	30-39 Exit Poll
Age ID	0	0	0	0	0	0	0
Age Bias	0	0	0	0	0	0	0
Age Bias Score	0						

	18-29	30-49	50-65	65+ Exit Poll	18-29	30-49
Age ID	13	31	28	28	0	16
Age Bias	3	-3	0	0		
Age Bias Score	6					

PARTY ID CALCULATOR

Inferred (Most Likely) Party ID Assumed by Pollster	Dem	Ind	GOP
	32	31	37

	% Dem for Harris	% Dem for Trump	% Ind for Harris	% Ind for Trump	% GOP for Trump	% GOP for Harris
Party Vote:	0.93	0.04	0.45	0.4	0.95	0.04
Points earned	37.2	1.6	8.55	7.6	38.95	1.64

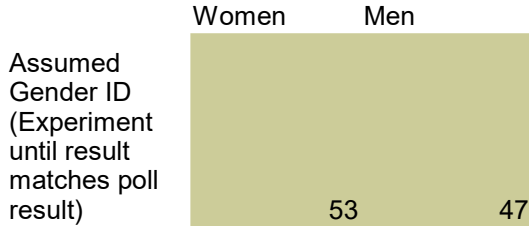
	Dem	Ind	GOP
Assumed Party ID (Experiment until result matches poll result)			
	40	19	41

	Harris	Trump
Vote Totals	47.39	48.15

GENDER ID CALCULATOR

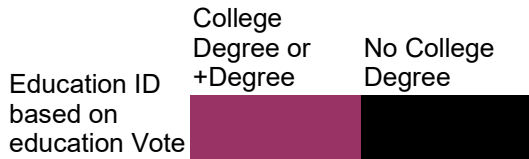


	% Women for Harris	% Women for Trump	% Men for Harris	% Men for Trump
Gender Vote	0.59	0.38	0.36	0.59
Points earned	31.27	20.14	16.92	27.73

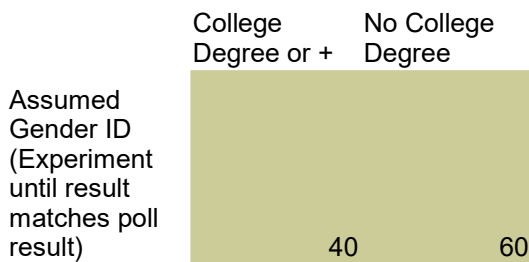


	Harris	Trump
Vote Totals	48.19	47.87

EDUCATION ID CALCULATOR



	% College or + for Harris	% College or + for Trump	% No Degree for Harris	% No Degree for Trump
Education Vote	0.65	0.33	0.37	0.58
Points earned	26	13.2	22.2	34.8



	Harris	Trump
Vote Totals	48.2	48

RACIAL DEMOS CALCULATOR

Racial ID based on Racial Vote

White	Black	Latino	Asian
81	11	5	1

Racial Vote	% White for Harris	% White for Trump	% Black for Harris	% Black for Trump	% Latino for Harris	% Latino for Trump
	0.42	0.54	0.66	0.27	0.66	0.27
Points earned	34.02	43.74	7.26	2.97	3.3	1.35

Assumed Racial ID

White	Black	Latino	Asian
81	11	5	1

	Harris	Trump
Vote Totals	45.24	48.33
	53	43

AGE ID CALCULATOR, 18-29/30-44/45-64/65+

Age ID	18-29	30-44	45-64	65 and over
	14	21	39	26

Age Vote	% 18-29 for Harris	% 18-29 for Trump	% 30-44 for Harris	% 30-44 for Trump	% 45-64 for Harris	% 45-64 for Trump
	0.36	0.56	0.58	0.37	0.43	0.52
Points earned	5.04	7.84	12.18	7.77	16.77	20.28

18-29	30-44	45-64	65 and over	Must = 100
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Assumed Age ID (Experiment until result matches poll result)					100
	14	21	39	26	
	Harris	Trump			
Vote Totals	0	0			

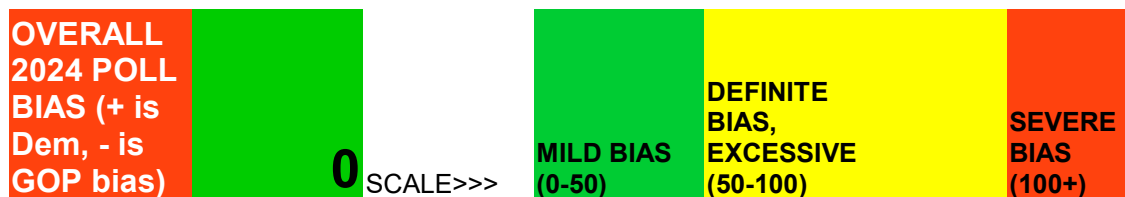
AGE ID CALCULATOR – 18-34/35-49/50-64/65+

	18-29	30-44	45-64	65 and over		
Age ID	17 21 33 28					
	% 18-34 for Harris	% 18-34 for Trump	% 35-49 for Harris	% 35-49 for Trump	% 50-64 for Harris	% 50-64 for Trump
Age Vote	0.58	0.4	0.48	0.48	0.5	0.47
Points earned	9.86	6.8	10.08	10.08	16.5	15.51

	18-29	30-44	45-64	65 and over	Must =
Assumed Age ID (Experiment until result matches poll result)					100
	17	21	33	28	99
	Harris	Trump			
Vote Totals	51	45.27			

AGE ID CALCULATOR – 18-29/30-49/50-64/65+

	18-29	30-44	45-64	65 and over		
Age ID	13 31 28 28					
	% 18-29 for Harris	% 18-29 for Trump	% 30-49 for Harris	% 30-49 for Trump	% 50-64 for Harris	% 50-64 for Trump
Age Vote	0.35	0.61	0.44	0.53	0.37	0.59
Points earned	4.55	7.93	13.64	16.43	10.36	16.52



Understanding the Overall Poll Bias Score – A perfect bias score as compared to the 2020 exit polls equals a 0 value. A positive score equals a Democratic bias. A negative score equals a Republican bias. The higher the value of the number, the worse the bias. I will adjust polls with this score in mind. Usually the adjustment is straightforward in that I can apply the proper party ID, gender ID, education ID to the party votes provided in the cross tabs. Sometimes pollsters hide the party ID, gender ID or education ID, but I have methods of inferring those. The calculators for inferring these party ID values can be found below. Regional bias usually can't be inferred, although if they provide how each region votes they can.

	Dem 2020 Exit Poll	GOP 2020 Exit Poll	Dem 2024 Poll	GOP 2024 Poll (Enter as a negative number)	Ind
Party ID Values	40	41	40	41	9
Party ID Difference	0	0			
Party ID Bias Score (+ is Dem, - is GOP bias)	0				

	Female 2020 Exit Poll	Male 2020 Exit Poll	Female 2024 Poll	Male 2024 Poll
Gender ID Values	53	47	53	47
Gender ID Bias	0	0		
Final Gender ID Bias (+ is Dem, - is GOP bias)	0			

	College Degree or + 2020 Exit Poll	No College Degree or + 2020 Exit Poll	College Degree or + 2024 Exit Poll	No College Degree or + 2024 Exit Poll (Enter as a negative number)
Education Values	40	60	40	60
Education Bias	0	0		

Education Bias
Final Score (+
is Dem, - is
GOP bias) **0**

	Northeast 2020 Exit Poll	South 2020 Exit Poll	Midwest 2020 Exit Poll	West 2020 Exit Poll	North- east 2024 Poll	South 2024 Poll
Regional Values (national polls only)						
Regional Bias (National Polls Only)	0	0	0	0		

Regional Bias
Score (+ is
Dem, - is GOP
bias) **0**

	White 2020 Exit Poll	Black 2020 Exit Poll	Asian 2020 Exit Poll	Latino 2020 Exit Poll	White 2024 Exit Poll	Black 2024 Exit Poll
Racial ID percentage	81	11	1	5	81	11
Racial Polling Sample Bias	0	0	0	0		

Racial Bias
Score (+ is
GOP, - is Dem
bias) **0**

	18-29 Exit Poll	30-44 Exit Poll	45-64 Exit Poll	65+ Exit Poll	18-29 2024 Poll	30-44 2024 Poll
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0		

Age Bias
Score **0**

	18-35 Exit Poll	36-44 Exit Poll	45+ Exit Poll	n/a	18-35 2024	36-44 2024
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0		

Age Bias Score **0**

	18-35 Exit Poll	36-44 Exit Poll	45+ Exit Poll	n/a	18-35 2024	36-44 2024
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0	0	0

Age Bias Score **0**

	18-45 Exit Poll	45-64 Exit Poll	65+ Exit Poll	n/a	18-45	45-64
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0	0	0

Age Bias Score **0**

	18-34 Exit Poll	35-49 Exit Poll	50-64 Exit Poll	65+ Exit Poll	18-34 2024 poll	35-49 2024 poll
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0	0	0

Age Bias Score **0**

	18-29 Exit Poll	30-39 Exit Poll	40-49 Exit Poll	50-64 Exit Poll	65+ Exit Poll	18-29 Exit Poll	30-39 Exit Poll
Age ID	0	0	0	0	0	0	0
Age Bias	0	0	0	0	0	0	0

Age Bias Score **0**

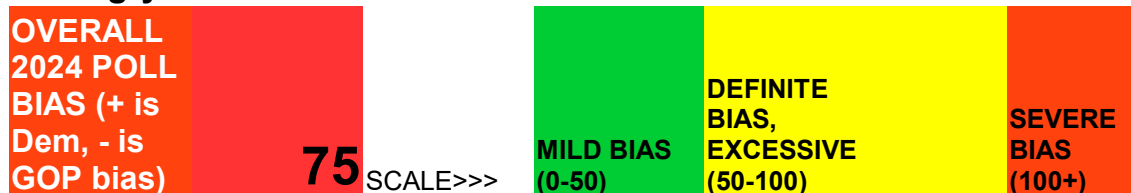
	18-29	30-49	50-65	65+ Exit Poll	18-29	30-49
Age ID	13	31	28	28	0	13
Age Bias	0	0	0	0	0	0

Age Bias Score **0**

Party ID Gender Education Region Racial Demo Age Demo

Bias Multiplier (Level of Bias Significance) Bias by Category

10	6	6	3	5	5
20	-18	-12	0	45	40



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Party ID Values	40	41	45	44	9
Party ID Difference	5	3			
Party ID Bias Score (+ is Dem, - is GOP bias)	2				

	Female 2020 Exit Poll	Male 2020 Exit Poll	Female 2024 Poll	Male 2024 Poll
Gender ID Values	53	47	51	48
Gender ID Bias	-2	1		
Final Gender ID Bias (+ is Dem, - is GOP bias)	-3			

Sheet1

	College Degree or + 2020 Exit Poll	No College Degree or + 2020 Exit Poll	College Degree or + 2024 Exit Poll	No College Degree or + 2024 Exit Poll (Enter as a negative number)
Education Values	40	60	39	61

Education Bias	-1	1
Education Bias Final Score (+ is Dem, - is GOP bias)	-2	

	Northeast 2020 Exit Poll	South 2020 Exit Poll	Midwest 2020 Exit Poll	West 2020 Exit Poll	North-east 2024 Poll	South 2024 Poll
Regional Values (national polls only)						

Regional Bias (National Polls Only)	0	0	0	0
Regional Bias Score (+ is Dem, - is GOP bias)	0			

	White 2020 Exit Poll	Black 2020 Exit Poll	Asian 2020 Exit Poll	Latino 2020 Exit Poll	White 2024 Exit Poll	Black 2024 Exit Poll
Racial ID percentage	81	11	1	5	74	10

Racial Polling Sample Bias	-7	-1	2	1
Racial Bias Score (+ is GOP, - is Dem bias)	9			

	18-29 Exit Poll	30-44 Exit Poll	45-64 Exit Poll	65+ Exit Poll	18-29 2024 Poll	30-44 2024 Poll
Age ID	14	21	39	26	12	17
Age Bias	-2	-4	-4	6		

Age Bias Score **8**

	18-35 Exit Poll	36-44 Exit Poll	45+ Exit Poll	n/a	18-35 2024	36-44 2024
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0	0	0
Age Bias Score	0					

	18-35 Exit Poll	36-44 Exit Poll	45+ Exit Poll	n/a	18-35 2024	36-44 2024
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0	0	0
Age Bias Score	0					

	18-45 Exit Poll	45-64 Exit Poll	65+ Exit Poll	n/a	18-45	45-64
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0	0	0
Age Bias Score	0					

	18-34 Exit Poll	35-49 Exit Poll	50-64 Exit Poll	65+ Exit Poll	18-34 2024 poll	35-49 2024 poll
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0	0	0
Age Bias Score	0					

	18-29 Exit Poll	30-39 Exit Poll	40-49 Exit Poll	50-64 Exit Poll	65+ Exit Poll	18-29 Exit Poll	30-39 Exit Poll
Age ID	0	0	0	0	0	0	0
Age Bias	0	0	0	0	0	0	0
Age Bias Score	0						

	18-29	30-49	50-65	65+ Exit Poll	18-29	30-49
Age ID	13	31	28	28	0	16
Age Bias	3	-3	0	0	0	28

Age Bias Score **6**

	Party ID	Gender	Education	Region	Racial Demo	Age Demo
Bias Multiplier (Level of Bias Significance)	10	6	6	3	5	5
Bias by Category	20	-18	-12	0	45	40

OVERALL 2024 POLL BIAS (+ is Dem, - is GOP bias) **75** SCALE>>>

MILD BIAS (0-50)	DEFINITE BIAS, EXCESSIVE (50-100)	SEVERE BIAS (100+)
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Understanding the Overall Poll Bias Score – A perfect bias score as compared to the 2020 exit polls equals a 0 value. A positive score equals a Democratic bias. A negative score equals a Republican bias. The higher the value of the number, the worse the bias. I will adjust polls with this score in mind. Usually the adjustment is straightforward in that I can apply the proper party ID, gender ID, education ID to the party votes provided in the cross tabs. Sometimes pollsters hide the party ID, gender ID or education ID, but I have methods of inferring those. The calculators for inferring these party ID values can be found below. Regional bias usually can't be inferred, although if they provide how each region votes they can.

	Dem 2020 Exit Poll	GOP 2020 Exit Poll	Dem 2024 Poll	GOP 2024 Poll (Enter as a negative number)	Ind
Party ID Values	40	41	45	44	9
Party ID Difference	5	3			

Party ID Bias Score (+ is Dem, - is GOP bias) **2**

	Female 2020 Exit Poll	Male 2020 Exit Poll	Female 2024 Poll	Male 2024 Poll
Gender ID Values	53	47	51	48
Gender ID Bias	-2	1		

Final Gender ID Bias (+ is Dem, - is GOP bias) **-3**

	College Degree or + 2020 Exit Poll	No College Degree or + 2020 Exit Poll	College Degree or + 2024 Exit Poll	No College Degree or + 2024 Exit Poll (Enter as a negative number)
Education Values	40	60	39	61

Education Bias -1 1

Education Bias Final Score (+ is Dem, - is GOP bias) **-2**

	Northeast 2020 Exit Poll	South 2020 Exit Poll	Midwest 2020 Exit Poll	West 2020 Exit Poll	North-east 2024 Poll	South 2024 Poll
Regional Values (national polls only)						

Regional Bias (National Polls Only) 0 0 0 0

Regional Bias Score (+ is Dem, - is GOP bias) **0**

	White 2020 Exit Poll	Black 2020 Exit Poll	Asian 2020 Exit Poll	Latino 2020 Exit Poll	White 2024 Exit Poll	Black 2024 Exit Poll
Racial ID percentage	81	11	1	5	74	10

Racial Polling Sample Bias -7 -1 2 1

Racial Bias Score (+ is GOP, - is Dem bias) **9**

Sheet1

	18-29 Exit Poll	30-44 Exit Poll	45-64 Exit Poll	65+ Exit Poll	18-29 2024 Poll	30-44 2024 Poll
Age ID	14	21	39	26	12	17
Age Bias	-2	-4	-4	6		
Age Bias Score	8					

	18-35 Exit Poll	36-44 Exit Poll	45+ Exit Poll	n/a	18-35 2024	36-44 2024
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0		
Age Bias Score	0					

	18-35 Exit Poll	36-44 Exit Poll	45+ Exit Poll	n/a	18-35 2024	36-44 2024
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0		
Age Bias Score	0					

	18-45 Exit Poll	45-64 Exit Poll	65+ Exit Poll	n/a	18-45	45-64
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0		
Age Bias Score	0					

	18-34 Exit Poll	35-49 Exit Poll	50-64 Exit Poll	65+ Exit Poll	18-34 2024 poll	35-49 2024 poll
Age ID	0	0	0	0	0	0
Age Bias	0	0	0	0		
Age Bias Score	0					

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Midwest 2024 Poll	West 2024 Poll
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Asian 2024 Exit Poll	Latino 2024 Exit Poll
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3	6
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Sheet1

45-64		
2024	65+	
Poll	Poll	
0	0	

45+		
2024	n/a	
0	0	

45+		
2024	n/a	
0	0	

65	n/a	
0	0	

50-64	65+	
2024	2024	
poll	poll	
0	0	

40-49 Exit Poll	50-64 Exit Poll	65+ Exit Poll
0	0	0

50-65	65+ Exit Poll
28	29







% Asian for Harris	% Asian for Trump
0.66	0.27
0.66	0.27



% 65+ for Harris	% 65+ for Trump
0.55	0.38
14.3	9.88



% 65+ for Harris	% 65+ for Trump
0.52	0.46
14.56	12.88



% 65+ for Harris	% 65+ for Trump
0.53	0.42
14.84	11.76

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Midwest 2024 Poll	West 2024 Poll
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Asian 2024 Exit Poll	Latino 2024 Exit Poll
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45-64 2024 Poll	65+ Poll
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45+ 2024	n/a
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Sheet1

45+		
2024	n/a	
0	0	

65	n/a	
0	0	

50-64	65+	
2024	2024	
poll	poll	
0	0	

	50-64		
40-49	Exit		
Exit Poll	Poll	65+	Exit Poll
0	0	0	0

	65+	
	Exit	
50-65	Poll	
28	28	

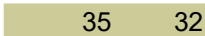
Midwest 2024 Poll	West 2024 Poll
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Asian 2024 Exit Poll	Latino 2024 Exit Poll
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45-64 2024 Poll	65+ Poll
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Sheet1

45+		
2024	n/a	
0	0	0

45+		
2024	n/a	
0	0	0

65 n/a		
0	0	0

50-64	65+	
2024	2024	
poll	poll	
0	0	0

	50-64		
40-49	Exit		
Exit Poll	Poll	65+ Exit Poll	
0	0	0	0

	65+	
	Exit	
50-65	Poll	
28	29	

Midwest 2024 Poll	West 2024 Poll
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Asian 2024 Exit Poll	Latino 2024 Exit Poll
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Sheet1

45-64		
2024	65+	
Poll	Poll	
35	32	

45+		
2024	n/a	
0	0	

45+		
2024	n/a	
0	0	

	65 n/a	
0	0	

50-64	65+	
2024	2024	
poll	poll	
0	0	