



YOUR MOVE
CHESS

**RESULTS FOR FERGUSON-
FLORISSANT SCHOOLS
FALL 2015**



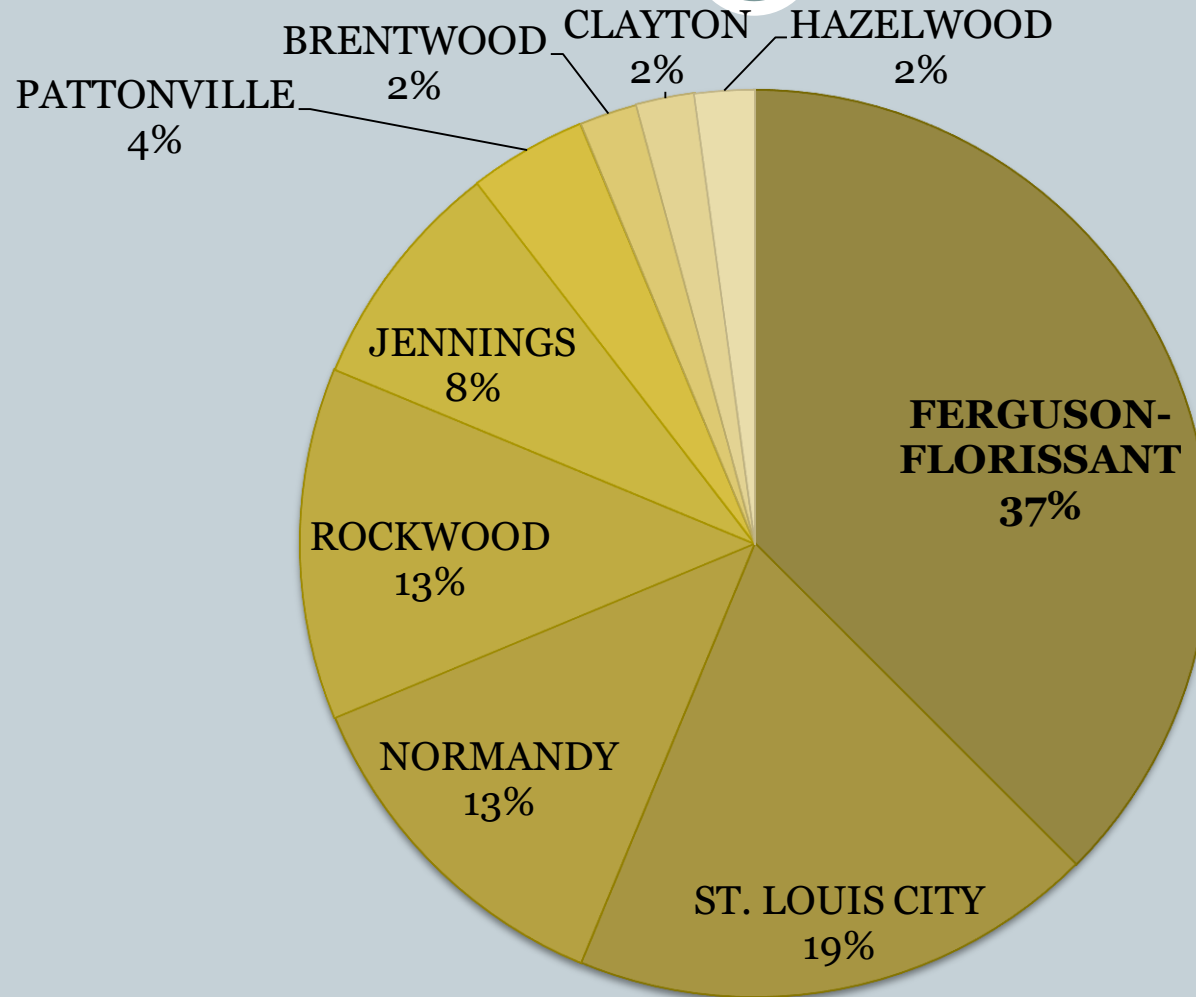
Ferguson-Florissant School with Chess Clubs

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- There were 18 Chess Clubs in Ferguson-Florissant schools in Fall 2015
 - Average Free/Reduced Lunch in these schools = 78.5%
 - Average percent minority in these schools = 88.4%

Public School Districts with Chess Clubs in Fall

2015



Pilot Survey Overview

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- Pre and post surveys administered at the beginning and end of afterschool chess clubs in Ferguson-Florissant in Fall 2015
- Purpose:
 - Measure demographic characteristics of students
 - Measure if the Chess Clubs are increasing interest in chess and confidence in chess-playing ability
 - Measure if Chess Clubs increase students' confidence to take on difficult tasks and challenge themselves.

Demographics: Ferguson–Florissant Clubs

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Student Characteristics

Percent female	37.9%
Percent Hispanic	3.9%
Percent white	12.9%
Percent Black	66.5%
Percent other ethnicity	17.2%
Average grade level	5.2
Number of pre-surveys	155
Number of post-surveys	92
Matched surveys (pre & post)	72

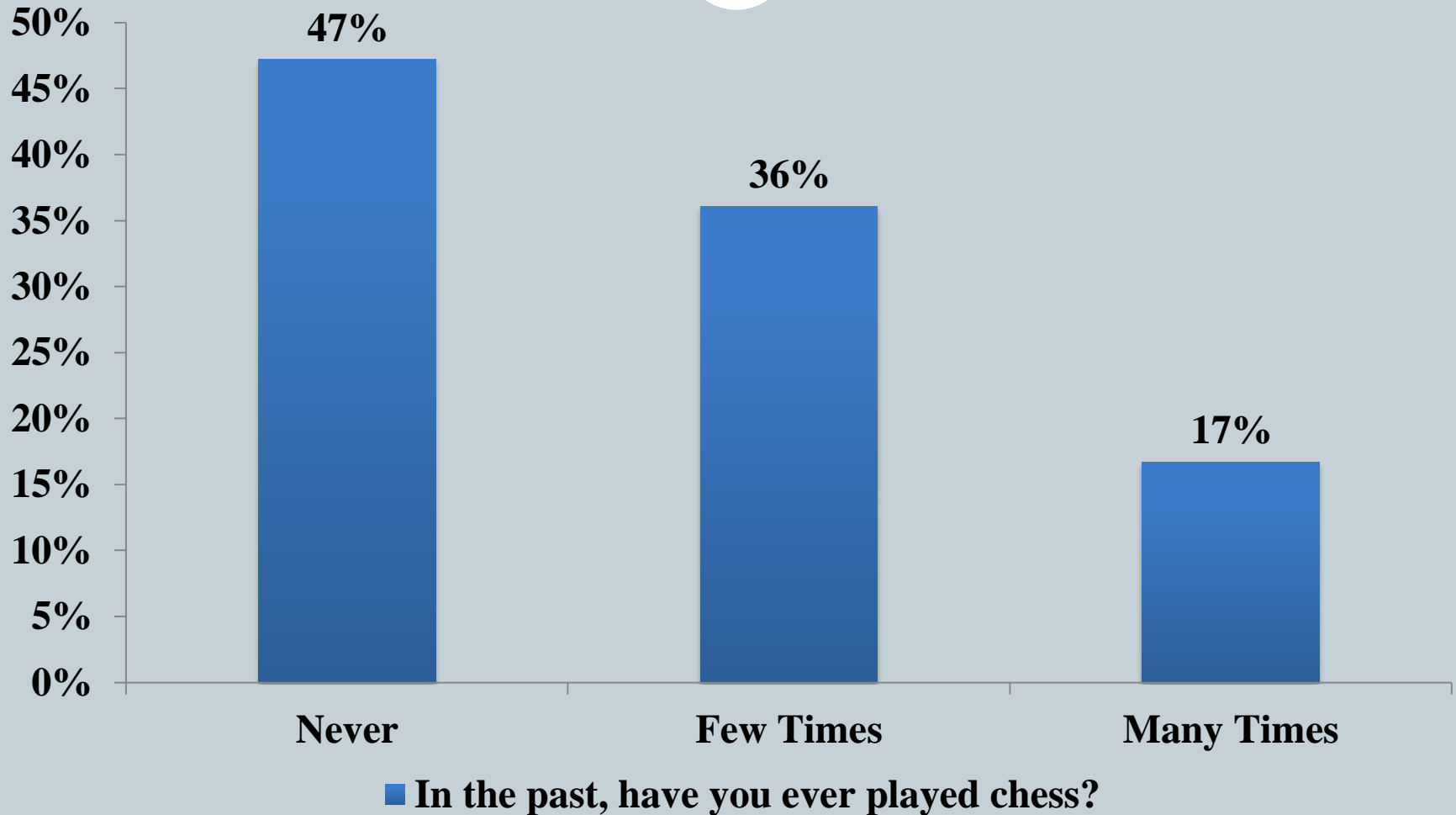
Summary of Findings

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- Nearly half of all students report that they had never played chess. A third had only played a few times.
- Pre-Post surveys find that participation in Chess Club:
 - Significantly increases playing chess with family & friends
 - Significantly increases confidence in chess-playing abilities
 - Increases plans to sustain chess-playing into adulthood
- Post surveys find:
 - 85% of students look forward to school more on days when they have Chess Club
 - 91% of students report they would recommend Chess Club to a friend
 - More than 90% of students report that their experience in Chess Club will motivate them to take on difficult tasks and challenge themselves more in the future

Previous Chess Background

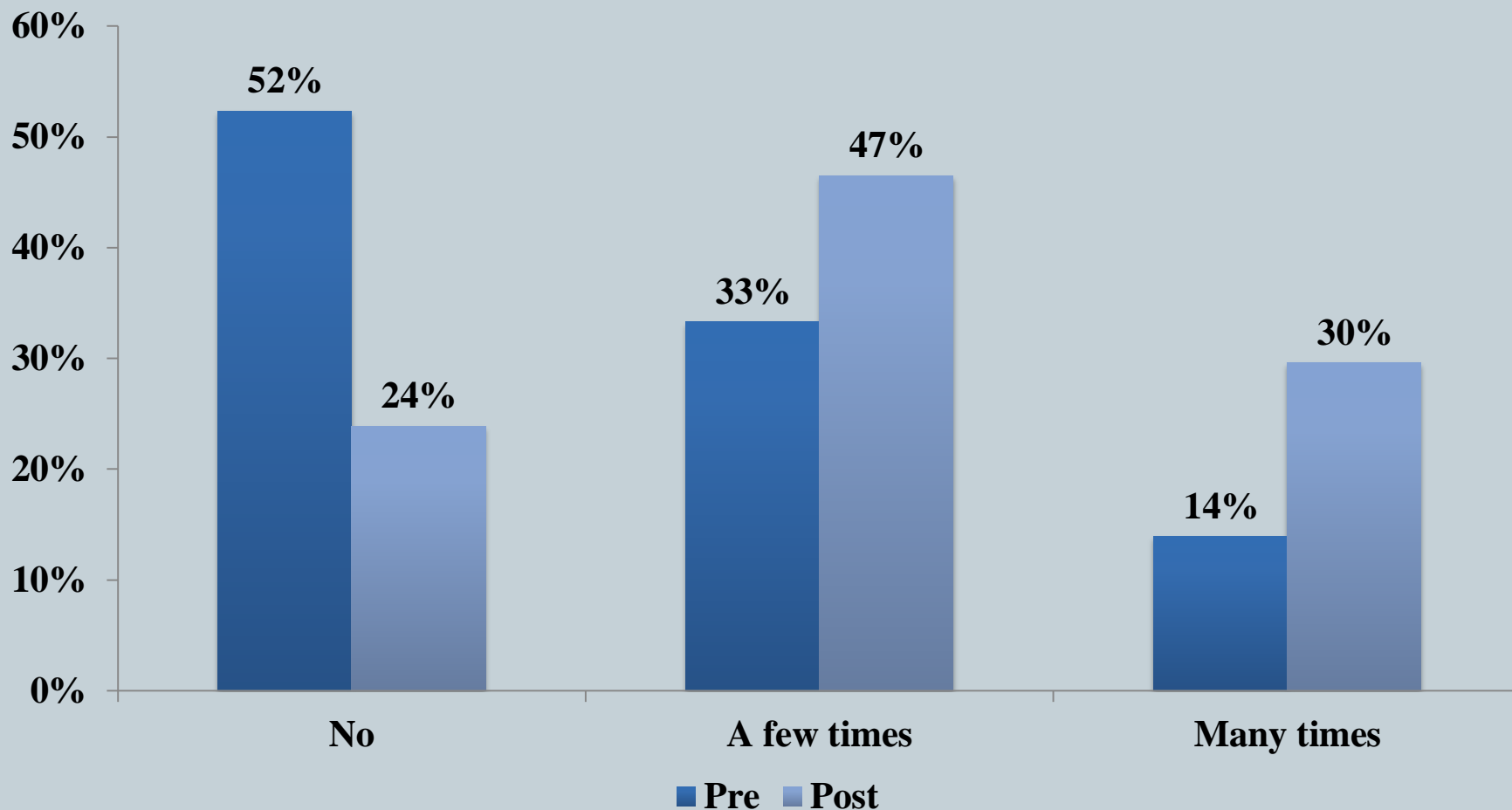
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Note: N= 72. Based on analytic sample with complete pre and post surveys.

Have you ever played chess with a member of your family?

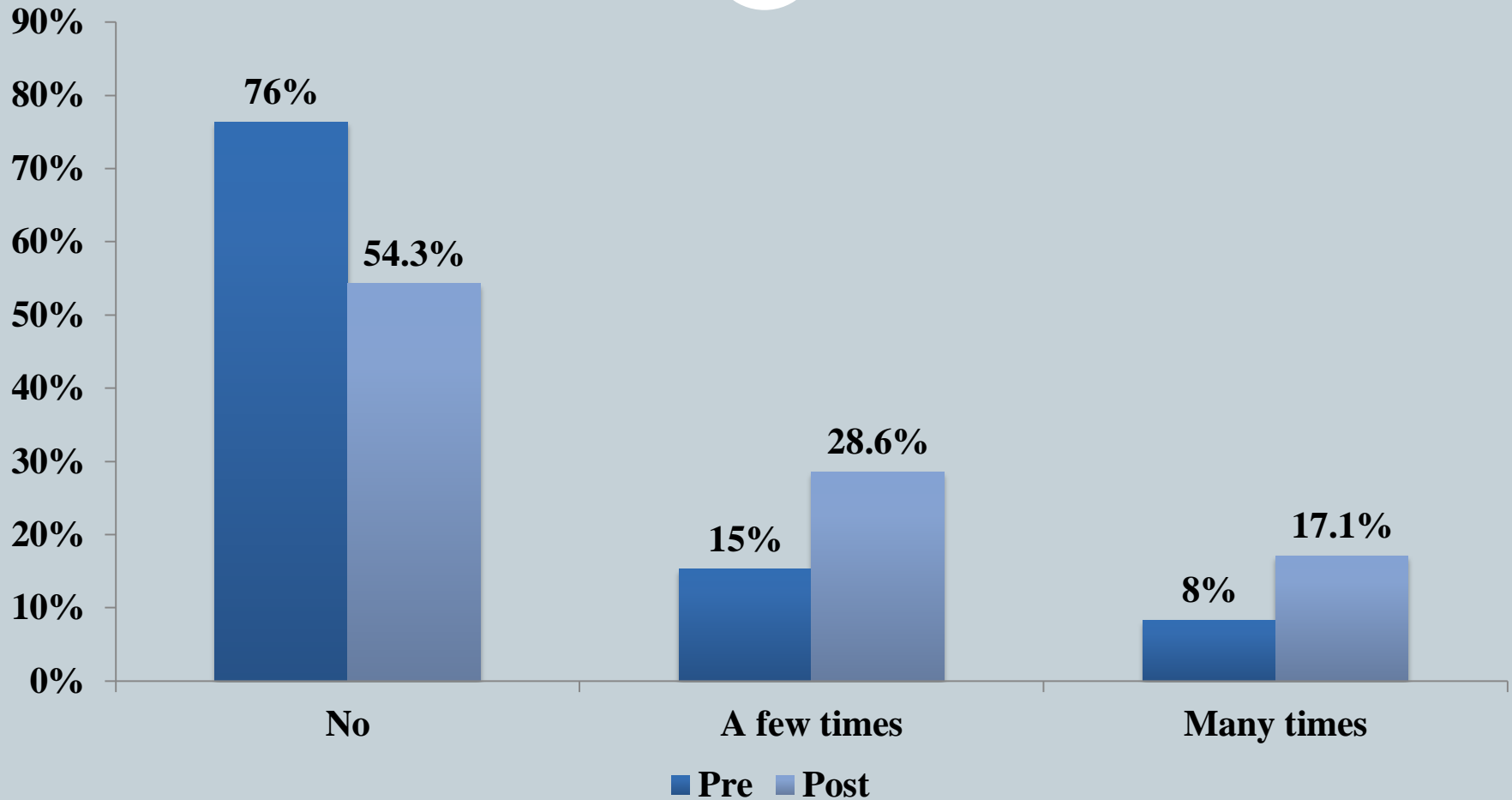
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PRE	POST	DIFF	ES	%CHG	P-VAL
1.61	2.05	+0.43**	0.60	+0.27	0.00

Have you ever played chess with a friend outside of school?

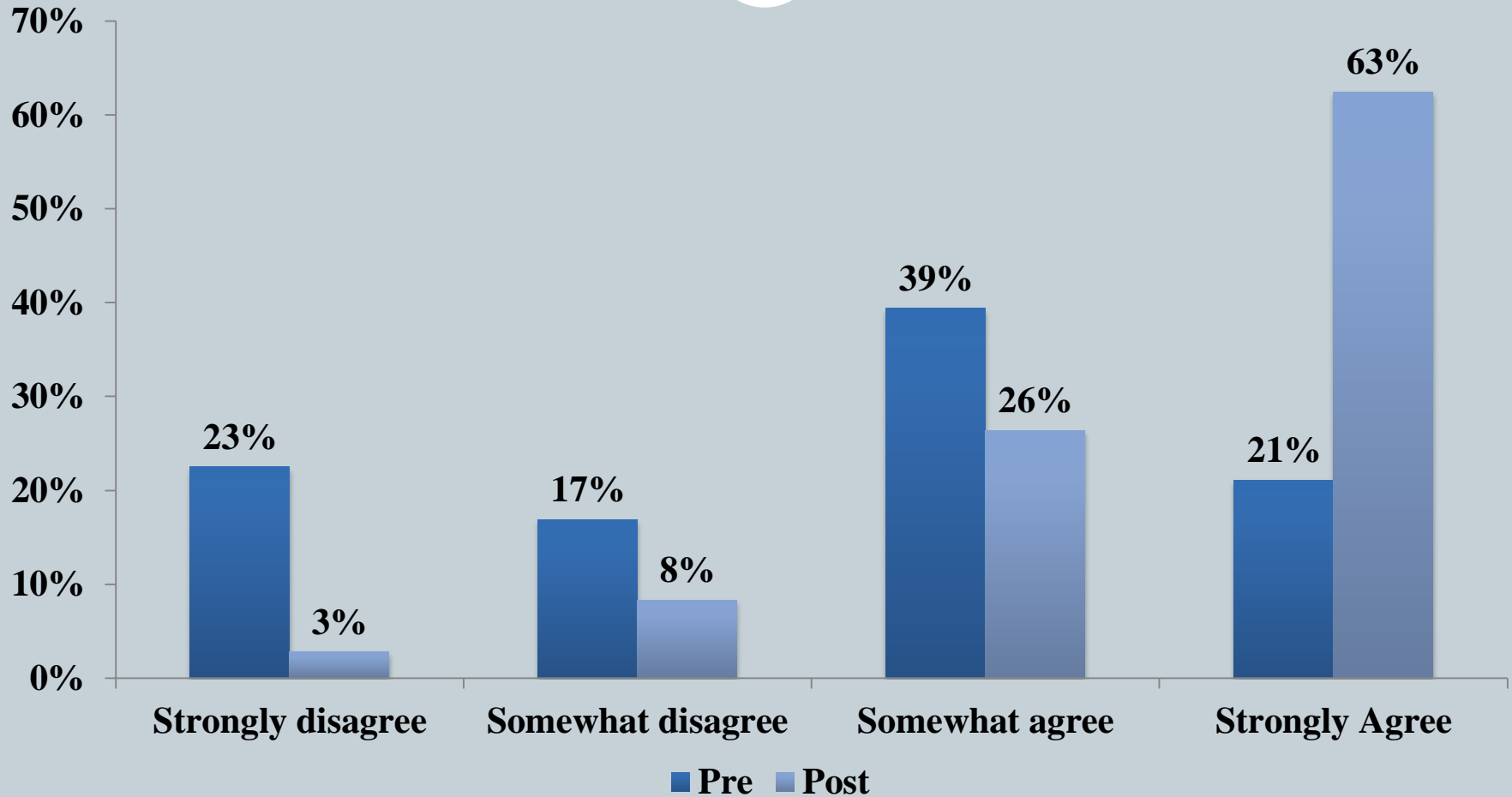
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PRE	POST	DIFF	ES	%CHG	P-VAL
1.32	1.63	+0.31**	0.49	+0.23	0.01

Chess is something I am good at.

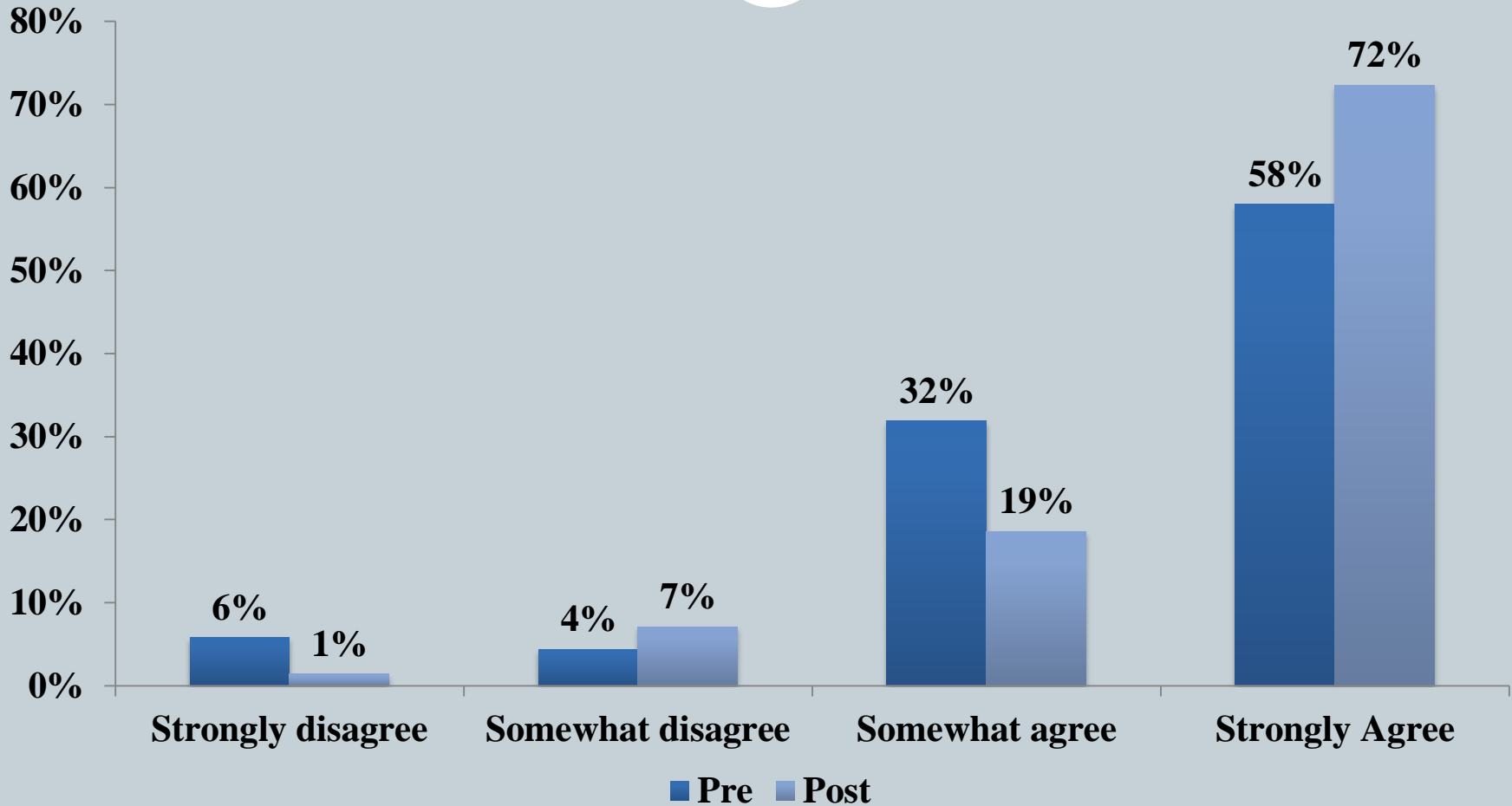
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PRE	POST	DIFF	ES	%CHG	P-VAL
2.59	3.53	+0.94**	0.89	+0.36	0.00

I am confident in my ability to play chess.

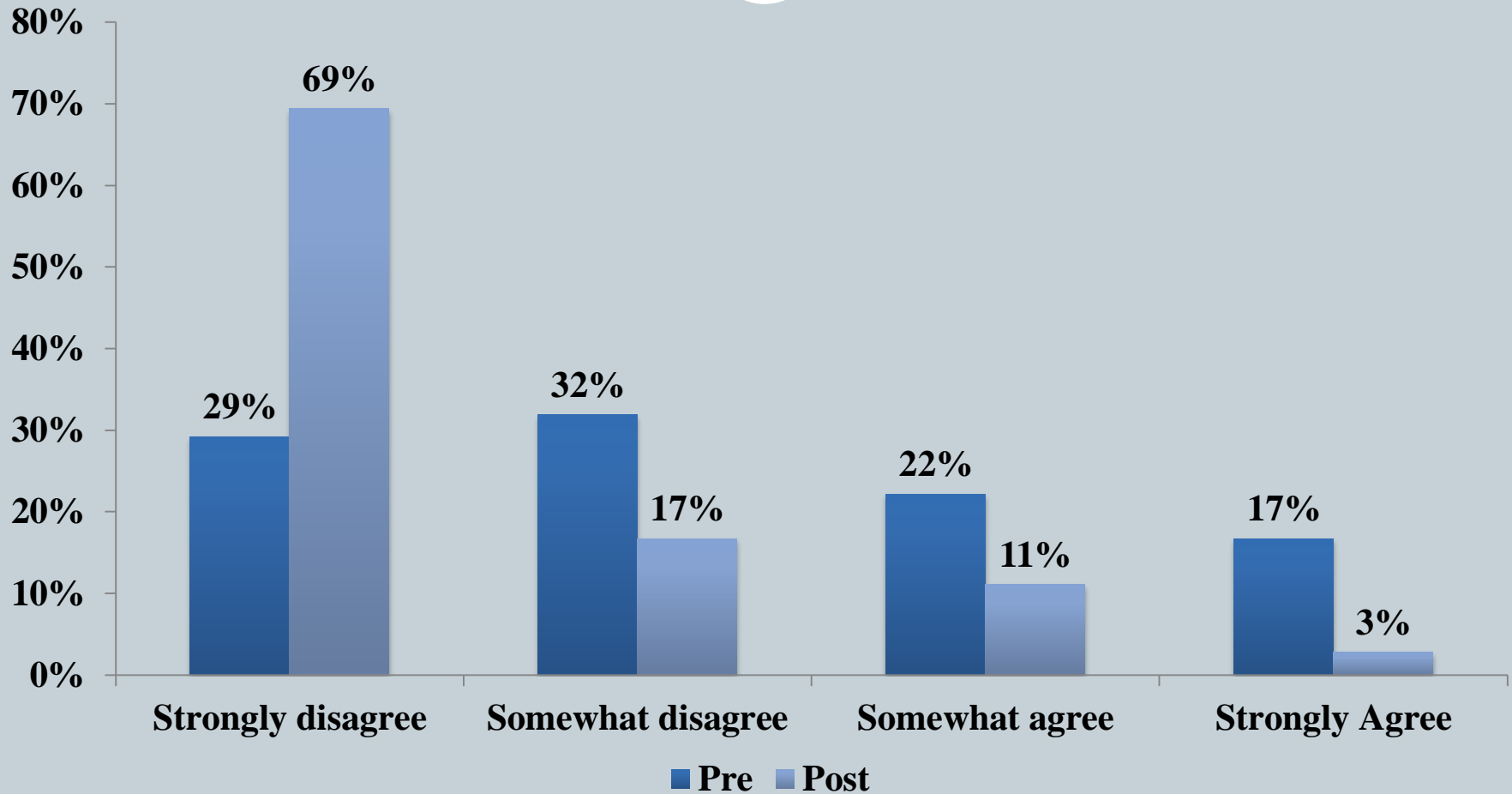
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PRE	POST	DIFF	ES	%CHG	P-VAL
3.42	3.65	+0.23	0.28	+0.07	0.08

I find chess confusing.

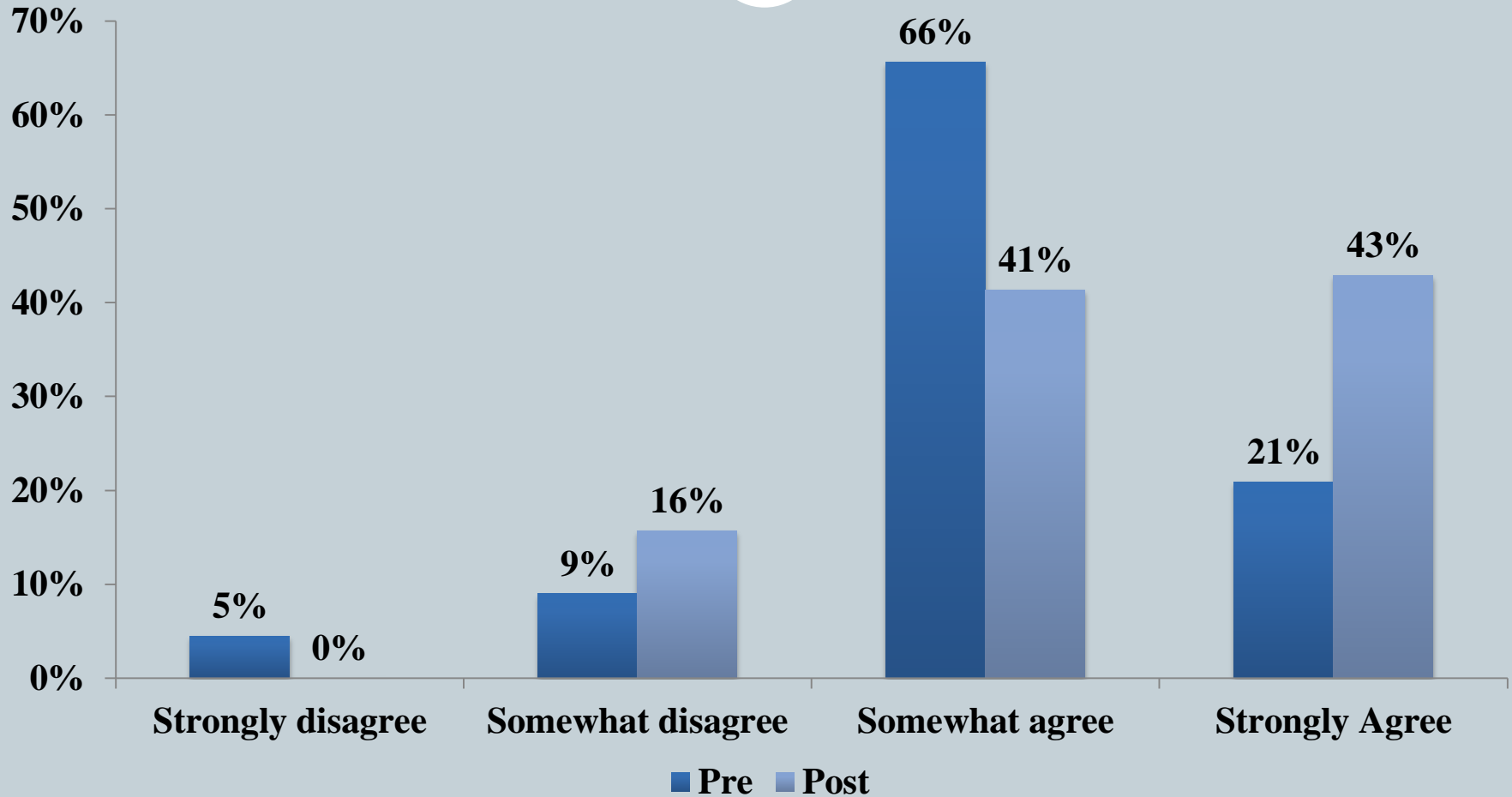
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PRE	POST	DIFF	ES	%CHG	P-VAL
2.26	1.46	-0.80**	-0.75	-0.35	0.00

I will play chess when I am an adult.

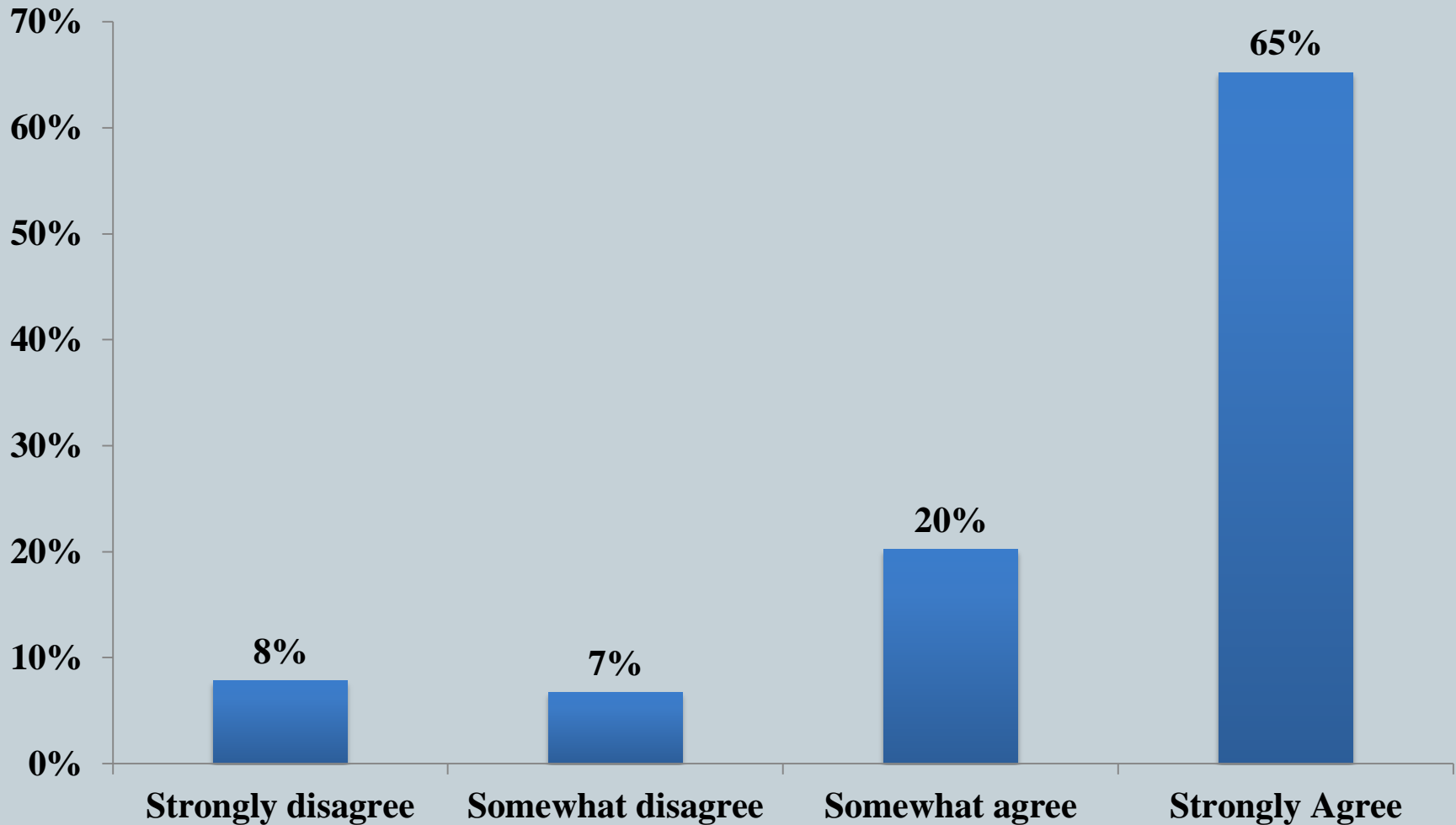
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PRE	POST	DIFF	ES	%CHG	P-VAL
3.03	3.24	+0.21*	0.30	+0.07	0.03

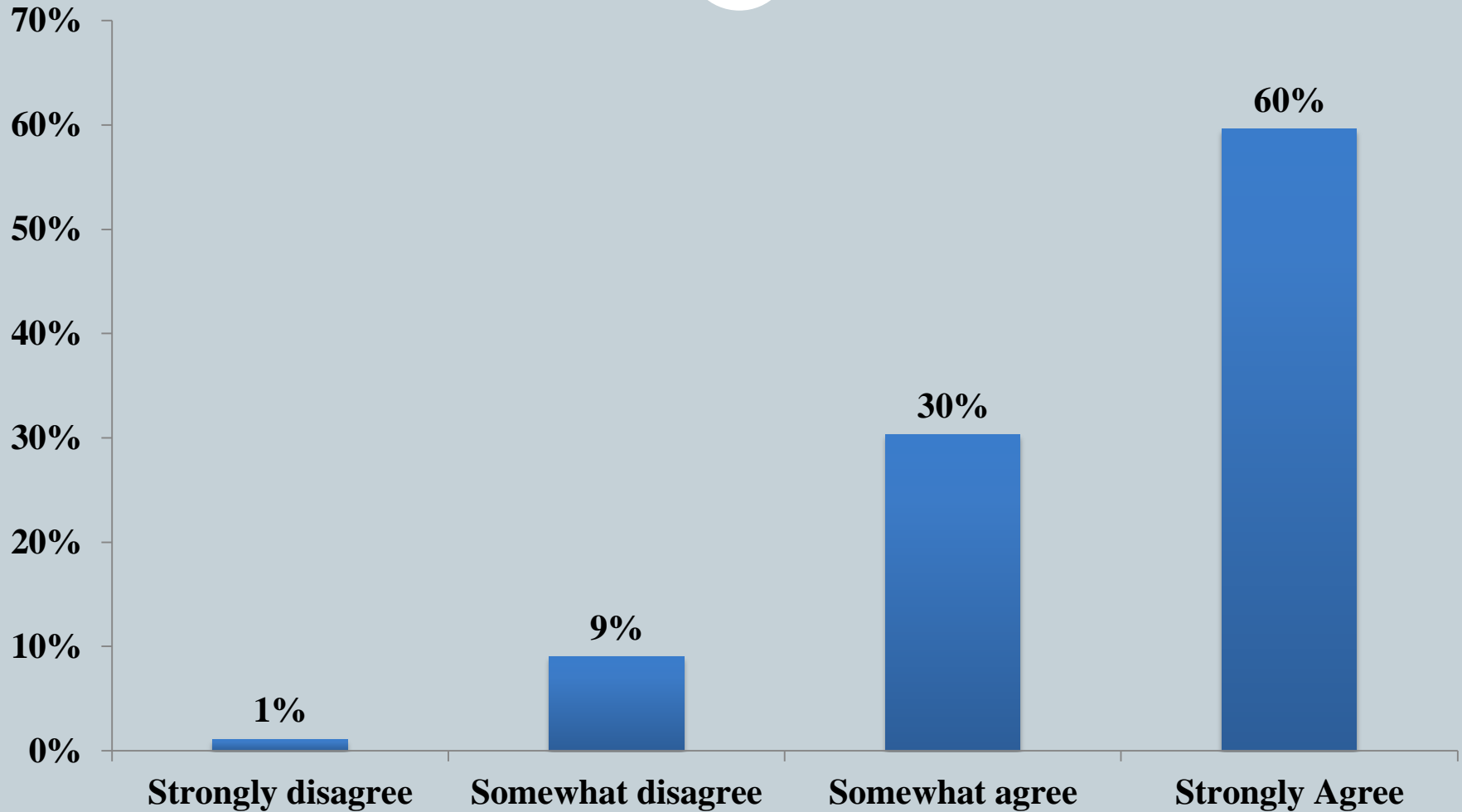
I look forward to school more on days when I have Chess Club.

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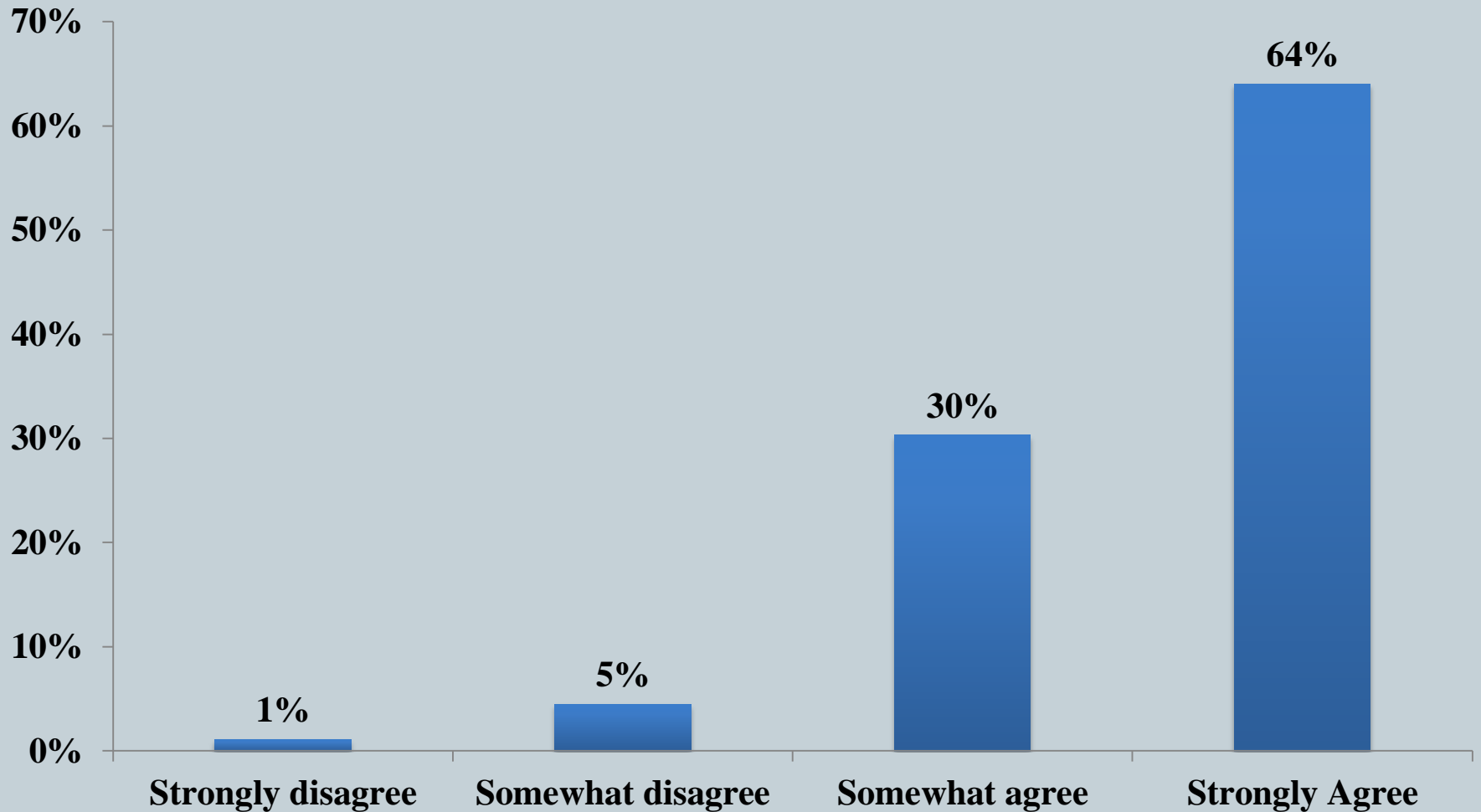
I would tell my friends they should join Chess Club.

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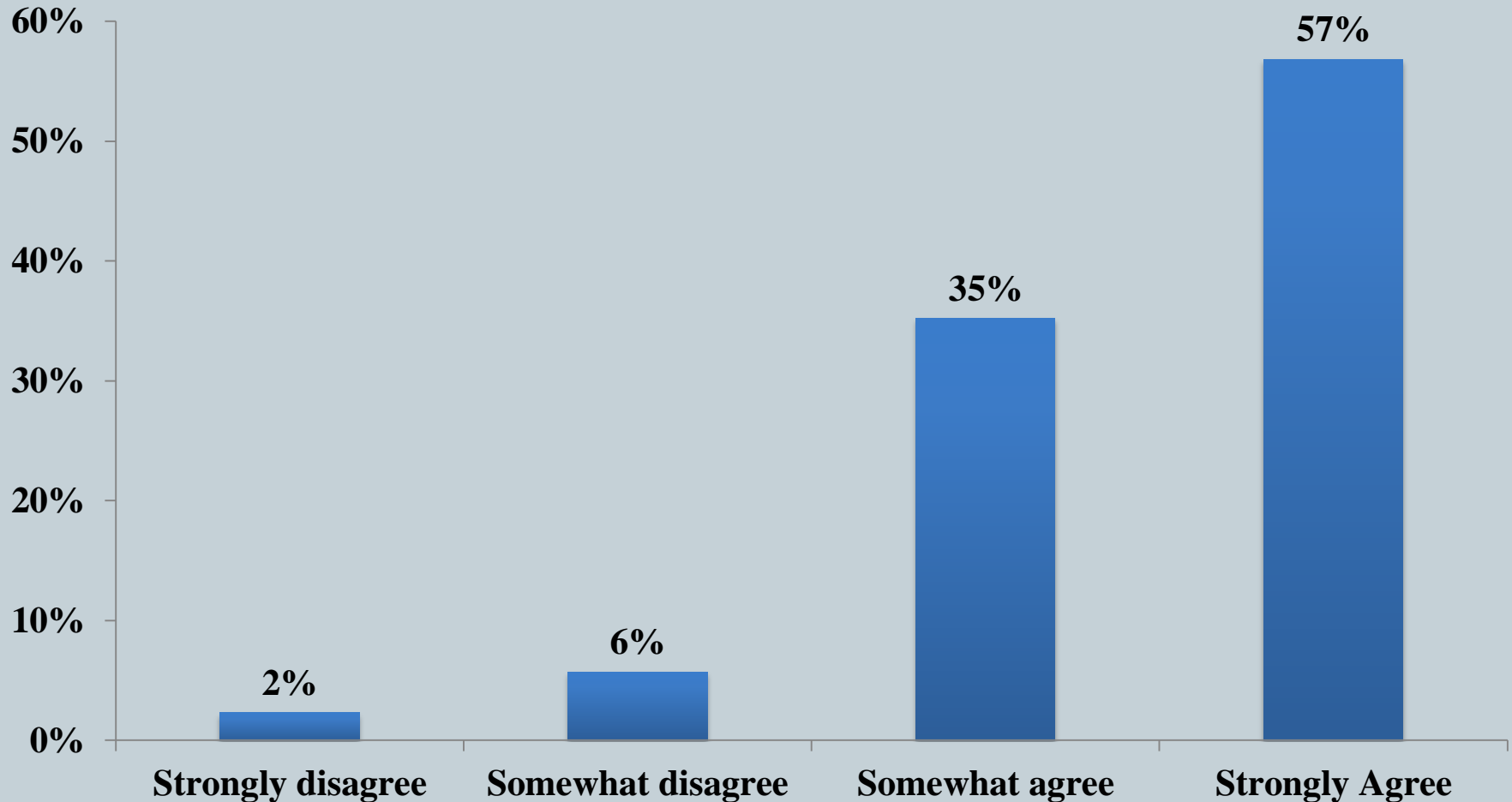
Being in Chess Club has taught me that I can complete difficult tasks if I work hard.

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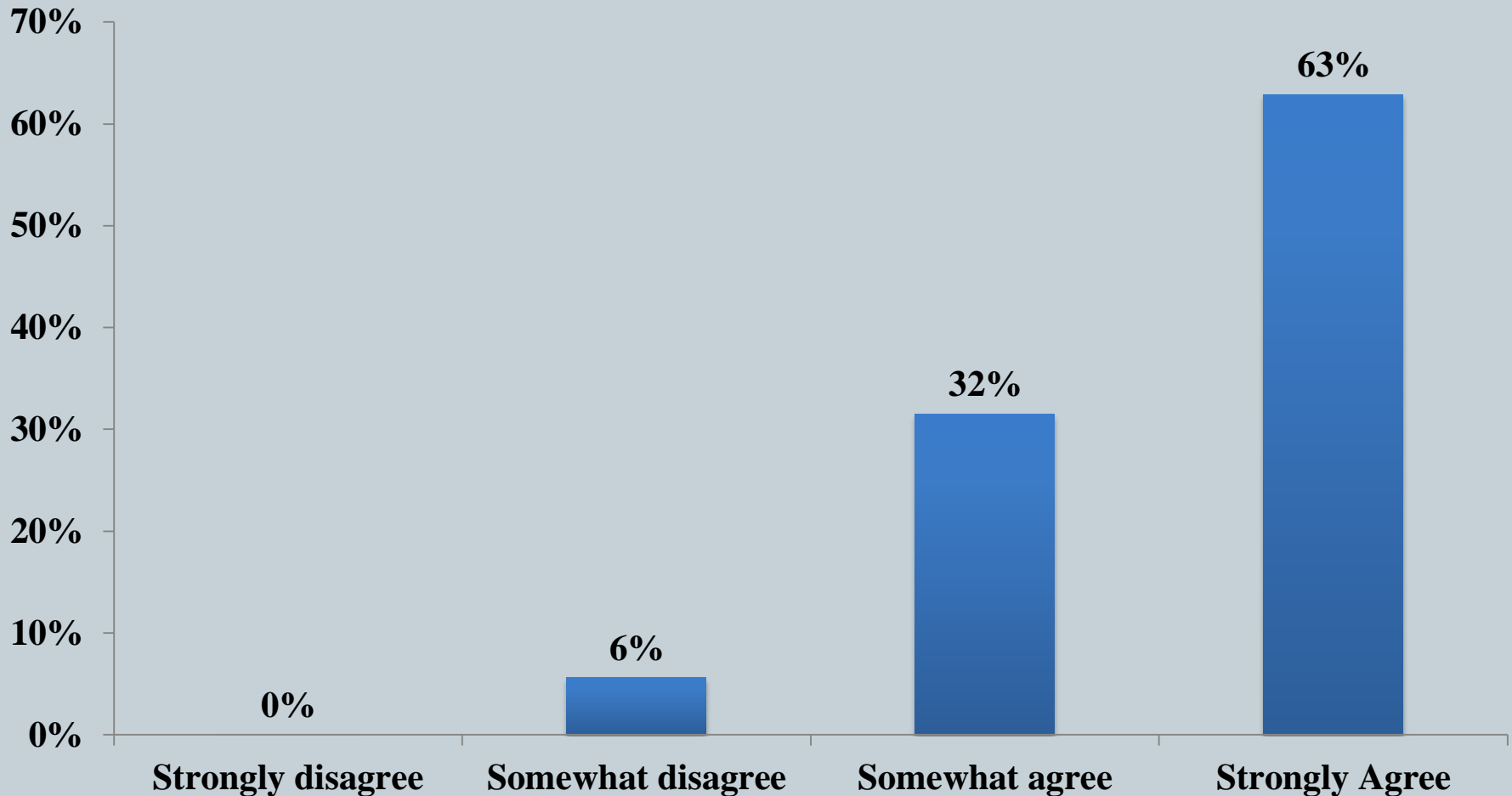
Being in Chess Club has made me more confident that I can learn difficult material.

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My experiences in Chess Club make me want to challenge myself more in the future.

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Conclusion and Next Steps

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- The Saint Louis Chess Club and Scholastic Center's afterschool programs are producing numerous positive impacts for the students they serve in Ferguson-Florissant schools.
- Deeper and more rigorous evaluation techniques would shed more light on the potential benefits.