



CHESS CLUB
CSC
AND SCHOLASTIC CENTER
of Saint Louis

**SUMMARY OF
AFTERSCHOOL CHESS
CLUBS
2015**

Overview of Clubs

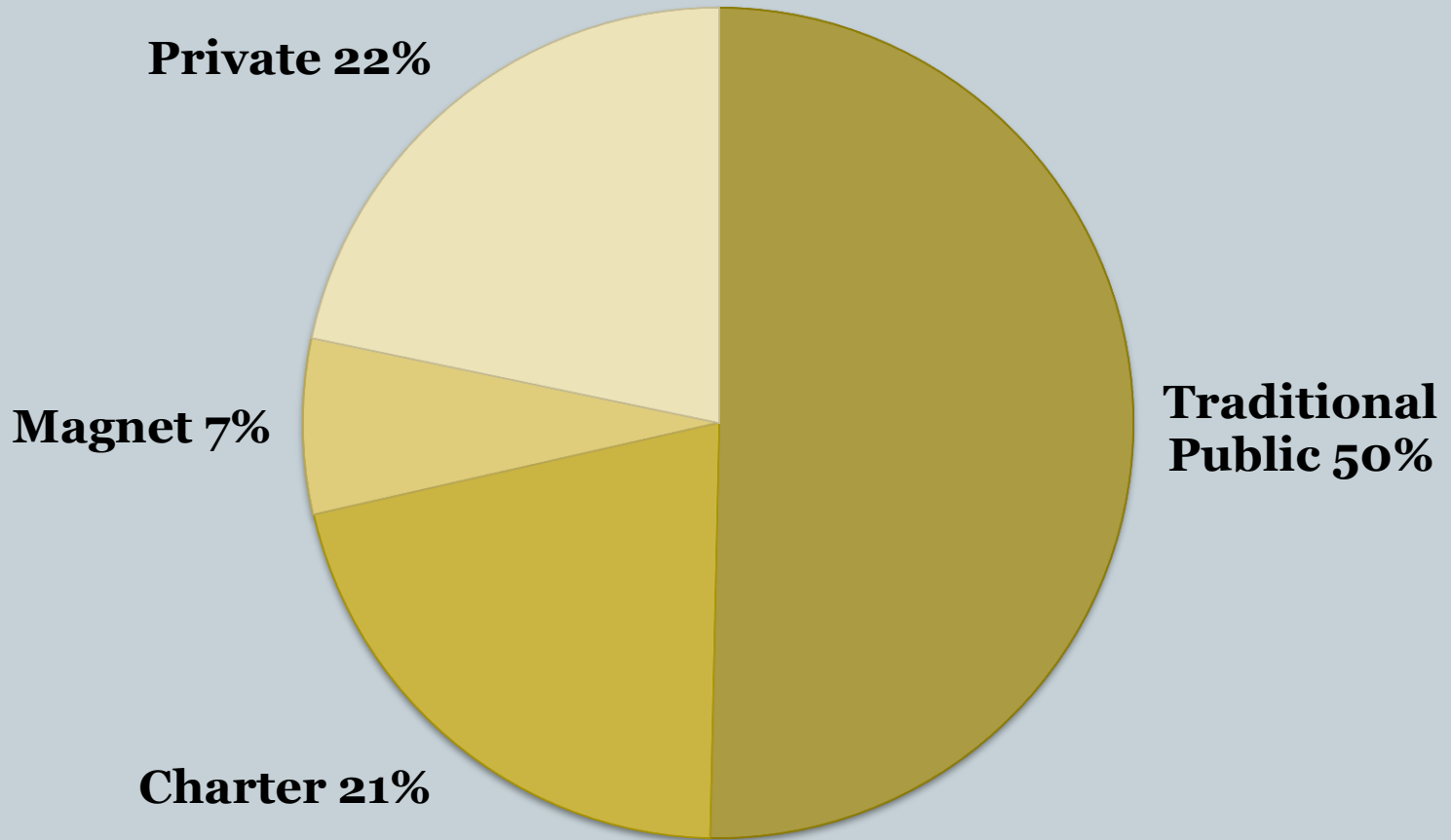
2

Characteristic	Spring	Fall	Total
Number of Schools	46	47	93
Number of Clubs	74	87	161
Number of Students	1,165	1,129	2,294
Average School Percent Free/Reduced Lunch[^]	63.5%	71.8%	68.0%
Average School Percent Minority	59.4%	66.0%	62.9%

[^]Public schools only; Percentages weighted by number of clubs.

School Types with Clubs

3



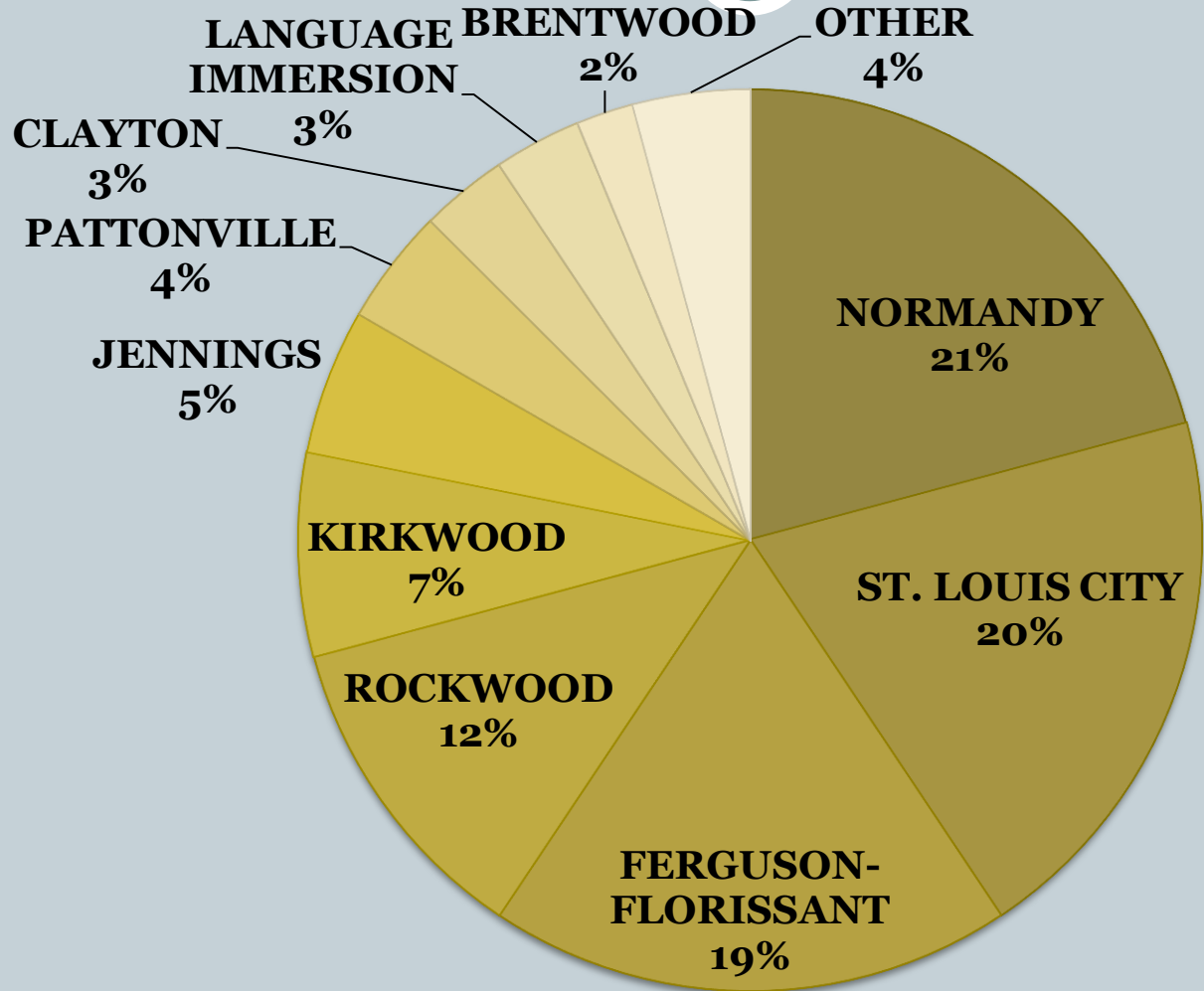
Grade Levels of Clubs

4

Grade Level	Frequency
Elementary Schools	60.9%
Elementary/Middle Schools	17.4%
Middle Schools	10.6%
High Schools	6.8%
Elementary/Middle/High Schools	3.1%
Middle/High Schools	1.2%

Public School Districts with Clubs

5



Pilot Survey Overview

6

- Pre and post surveys administered at the beginning and end of afterschool chess clubs 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.

Overview of Student Survey Data

7

Student Characteristics

Percent female	35.9%
Percent Hispanic	2.5%
Percent white	26.3%
Percent Black	54.0%
Percent other ethnicity	17.3%
Average grade level	4.9
Number of pre-surveys	292
Number of post-surveys	174
Matched surveys (pre & post)	118

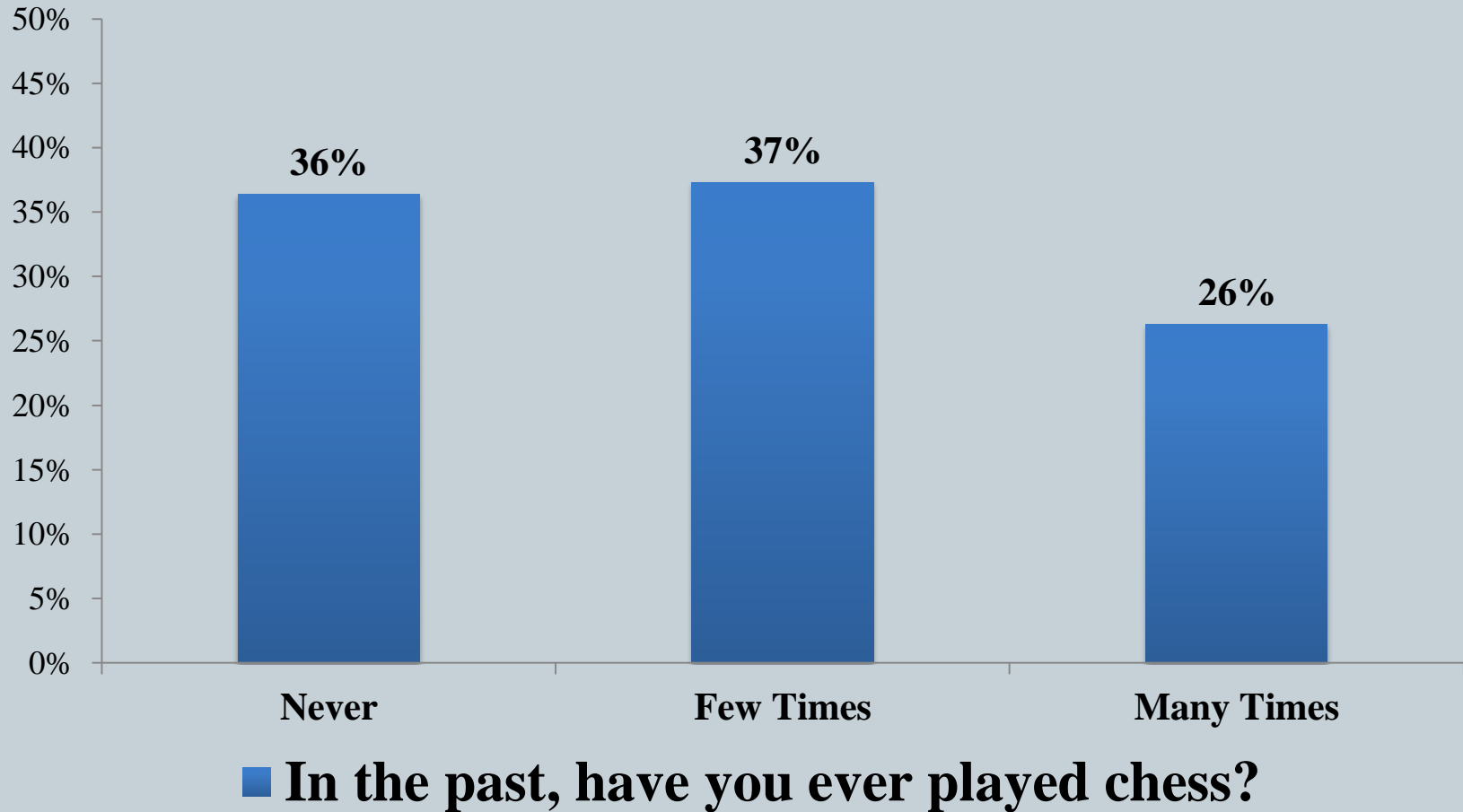
Summary of Findings

8

- Over a third of all students had never played chess. An additional 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:
 - 81% of students look forward to school more on days when they have Chess Club
 - 81% of students report they would recommend Chess Club to a friend
 - Nearly 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

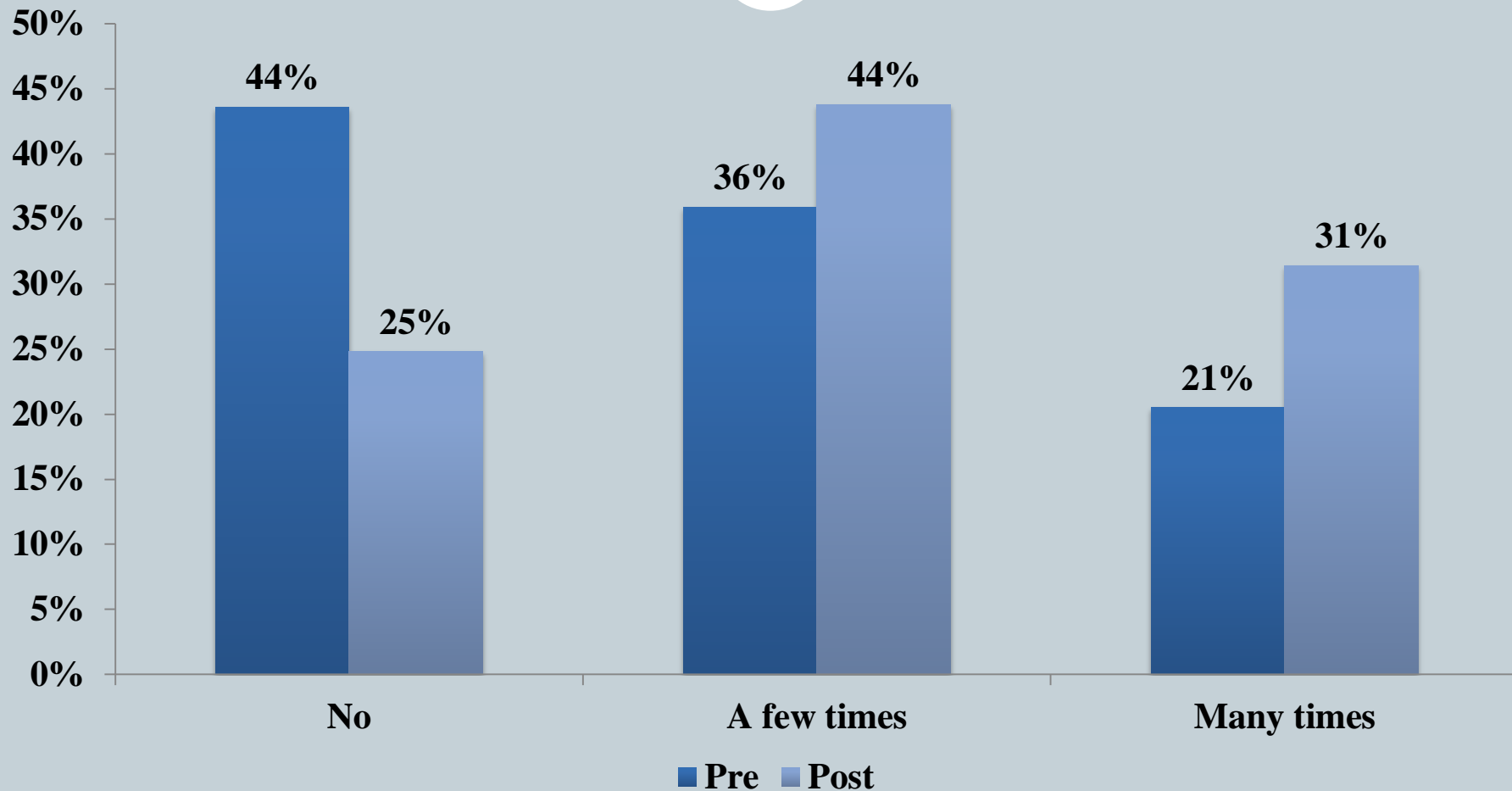
9



Note: N= 118. Based on analytic sample with complete pre and post surveys.

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

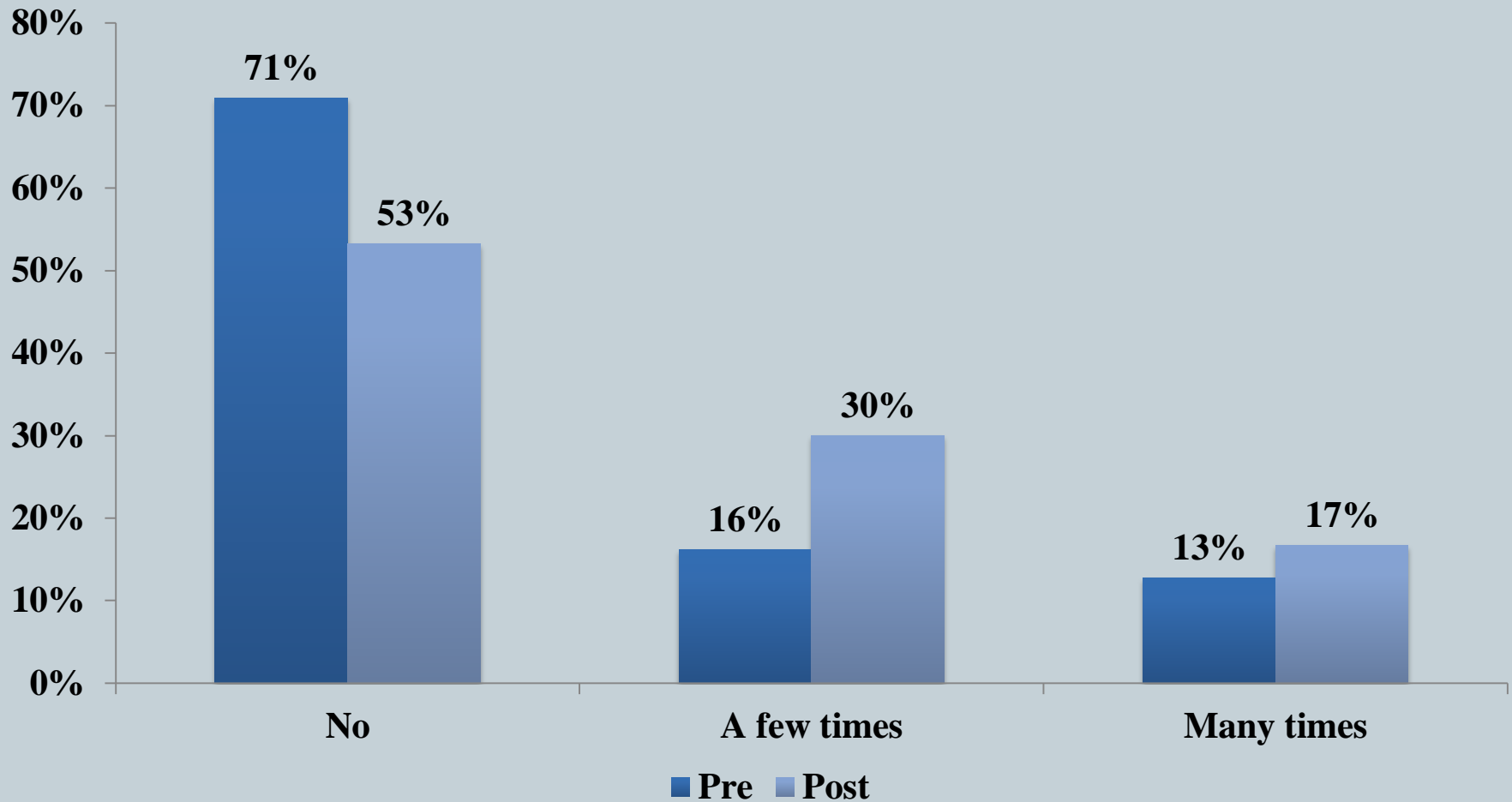
10



PRE	POST	DIFF	ES	%CHG	P-VAL
1.77	2.03	+0.26**	0.34	+0.15	0.00

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

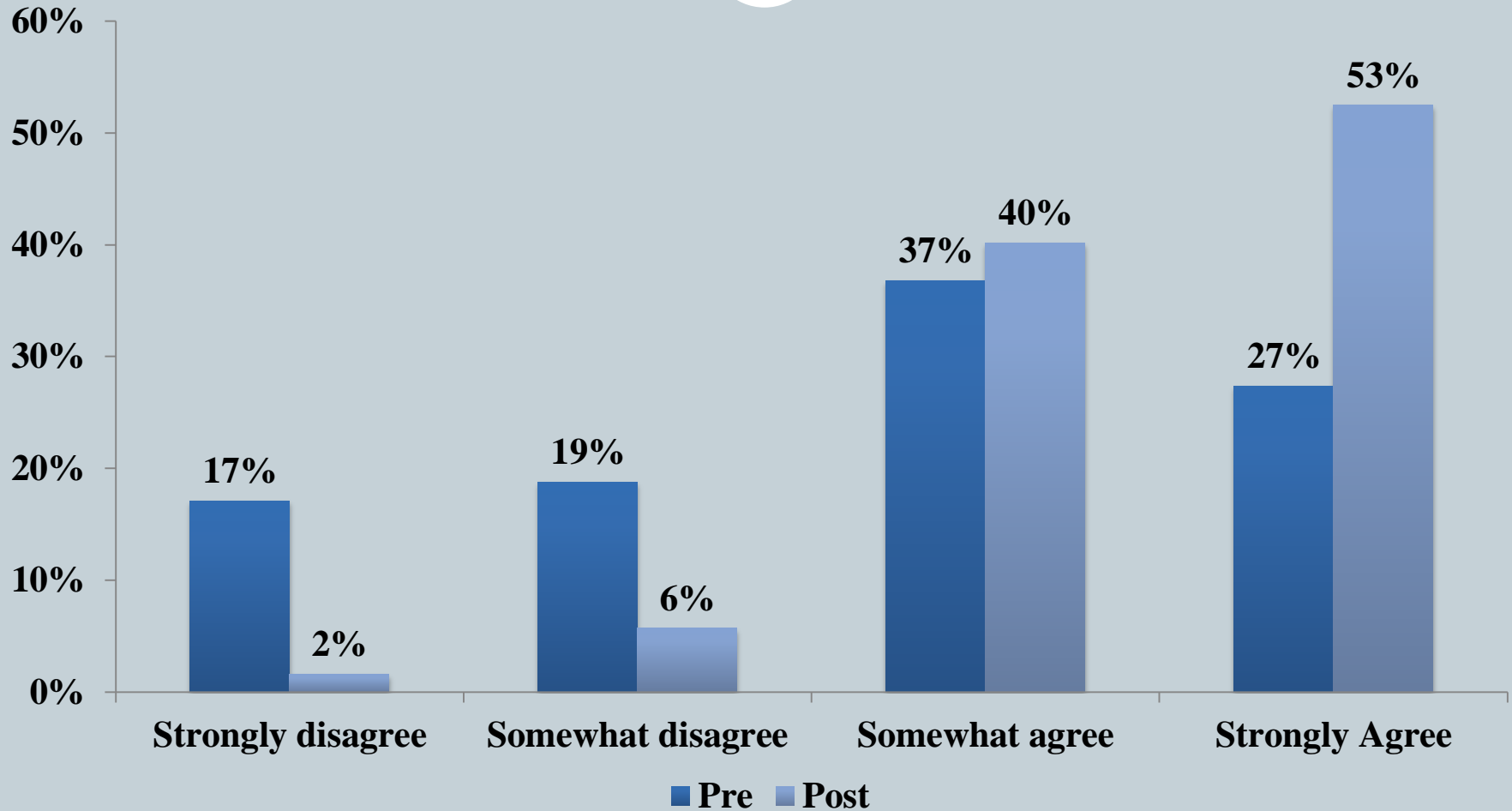
11



PRE	POST	DIFF	ES	%CHG	P-VAL
1.42	1.60	+0.18*	0.26	+0.13	0.02

Chess is something I am good at.

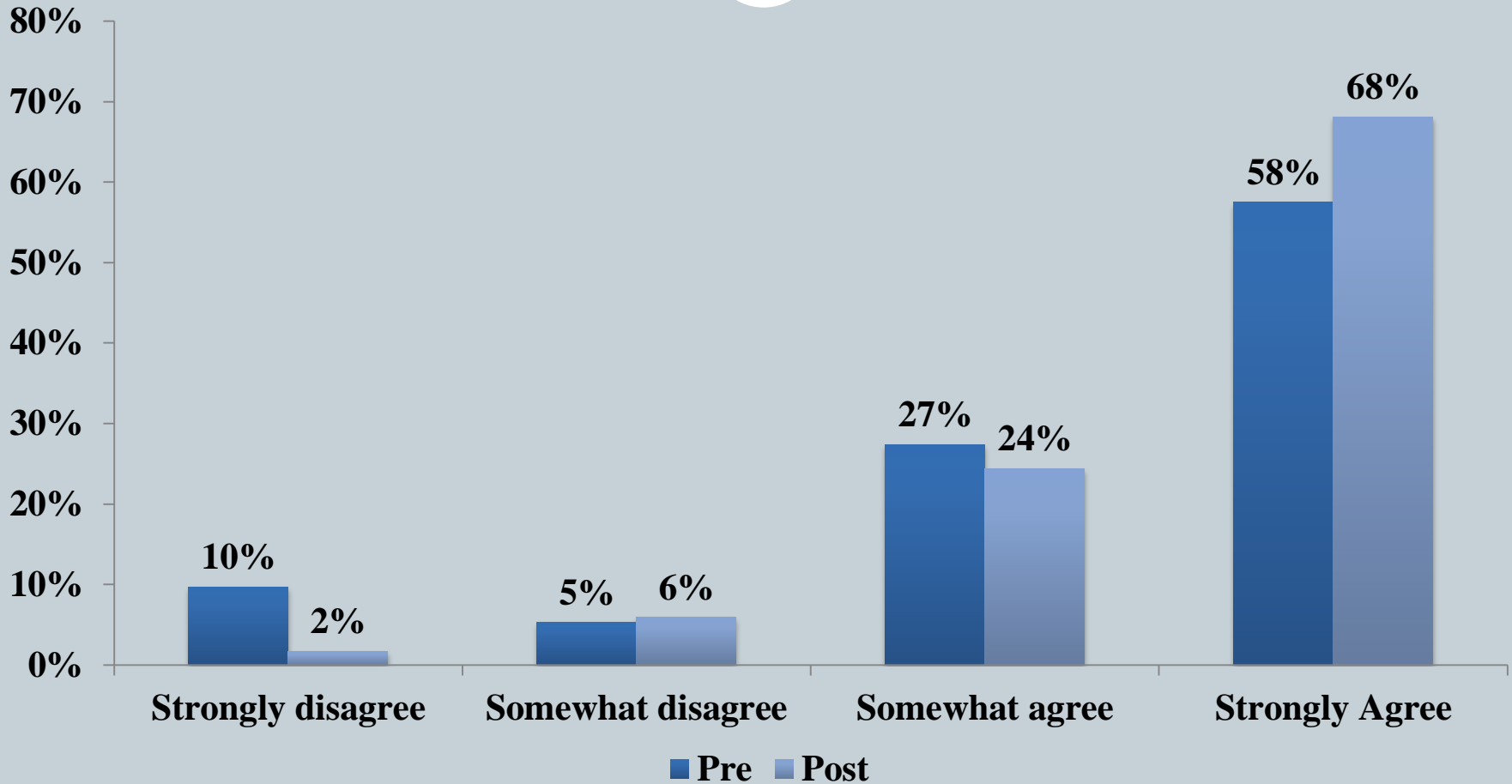
12



PRE	POST	DIFF	ES	%CHG	P-VAL
2.74	3.48	+0.73**	0.70	+0.27	0.00

I am confident in my ability to play chess.

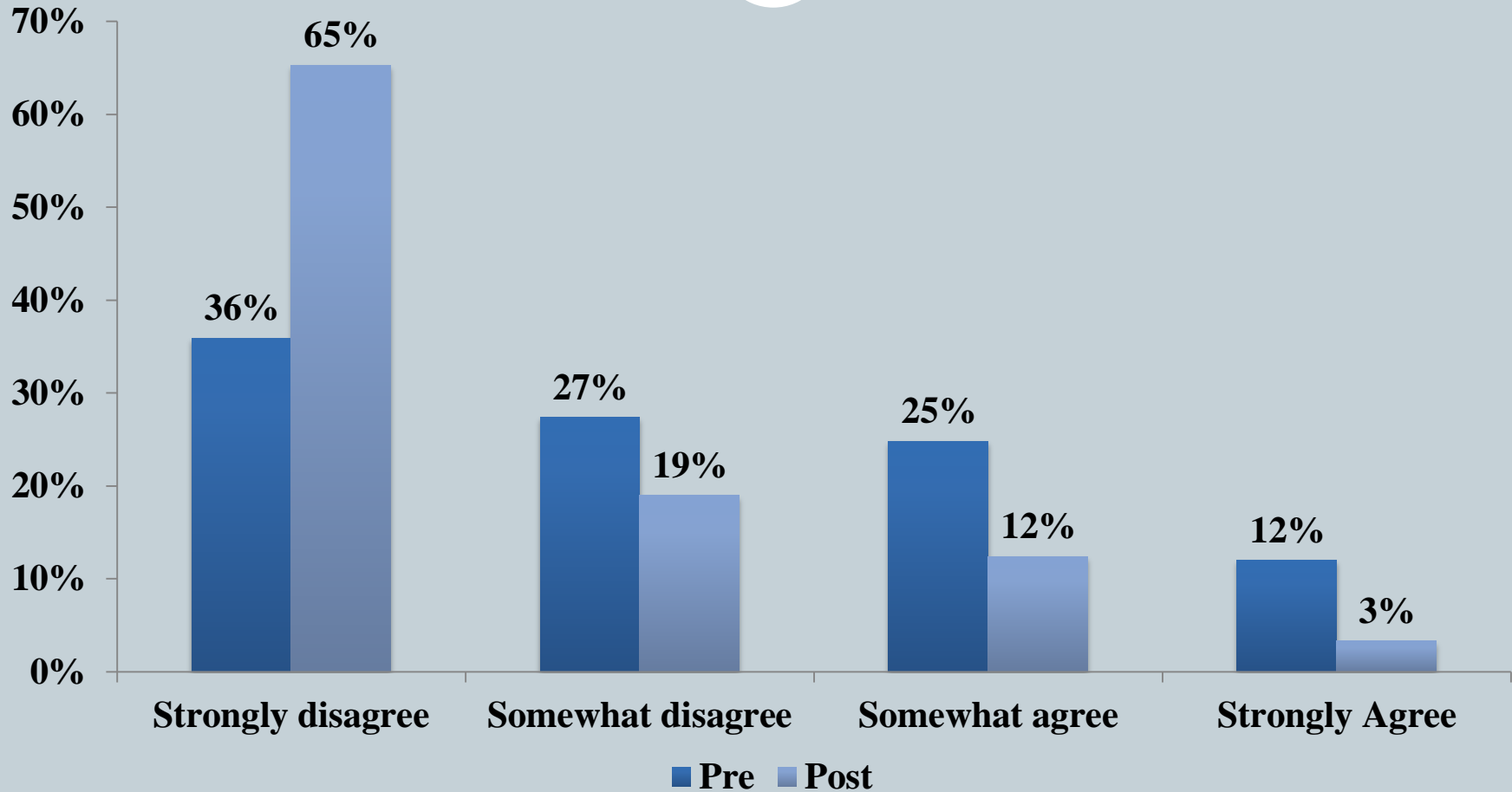
13



PRE	POST	DIFF	ES	%CHG	P-VAL
3.33	3.59	+0.26**	0.27	+0.08	0.01

I find chess confusing.

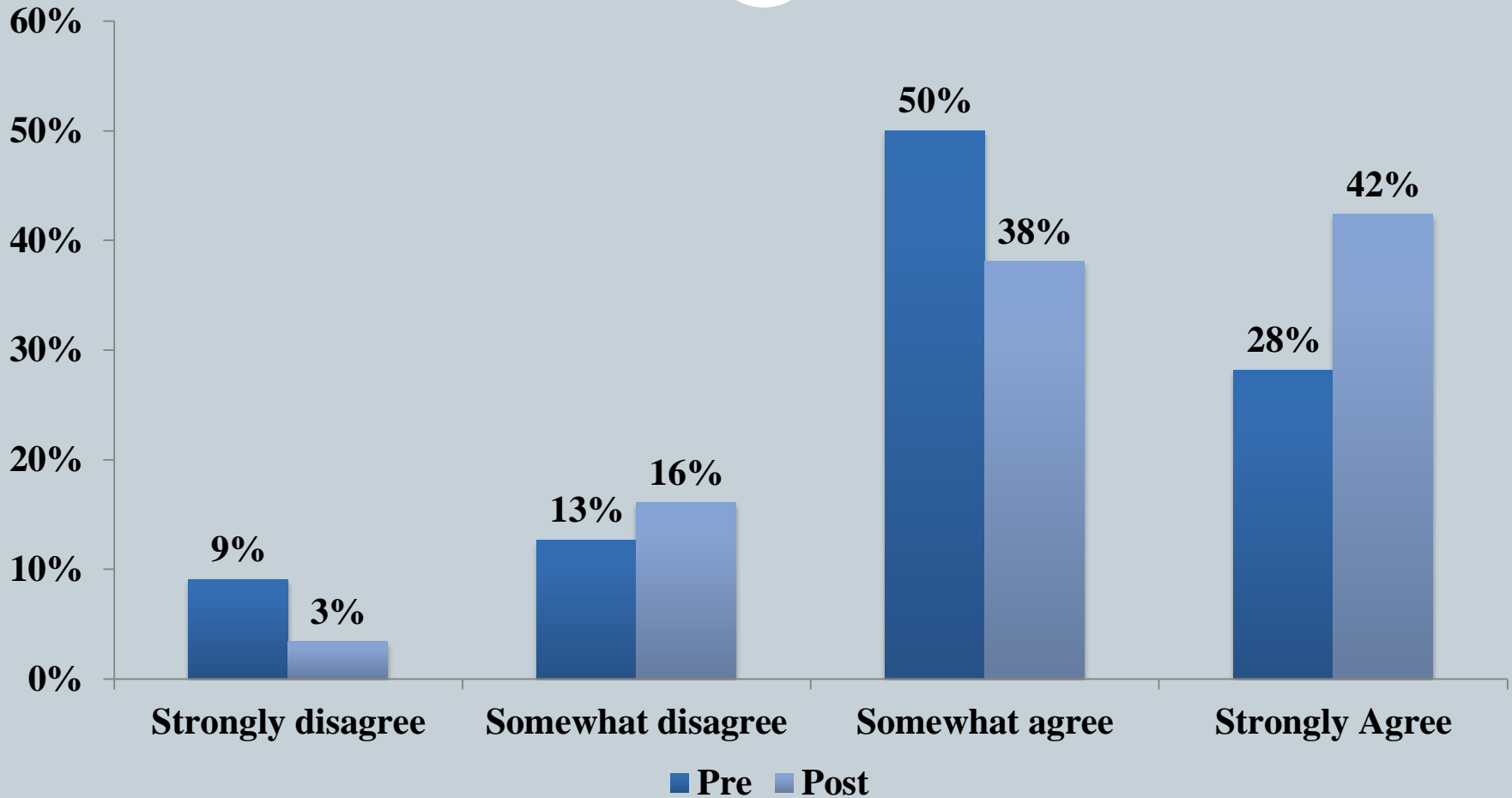
14



PRE	POST	DIFF	ES	%CHG	P-VAL
2.13	1.56	-0.57**	-0.55	-0.27	0.00

I will play chess when I am an adult.

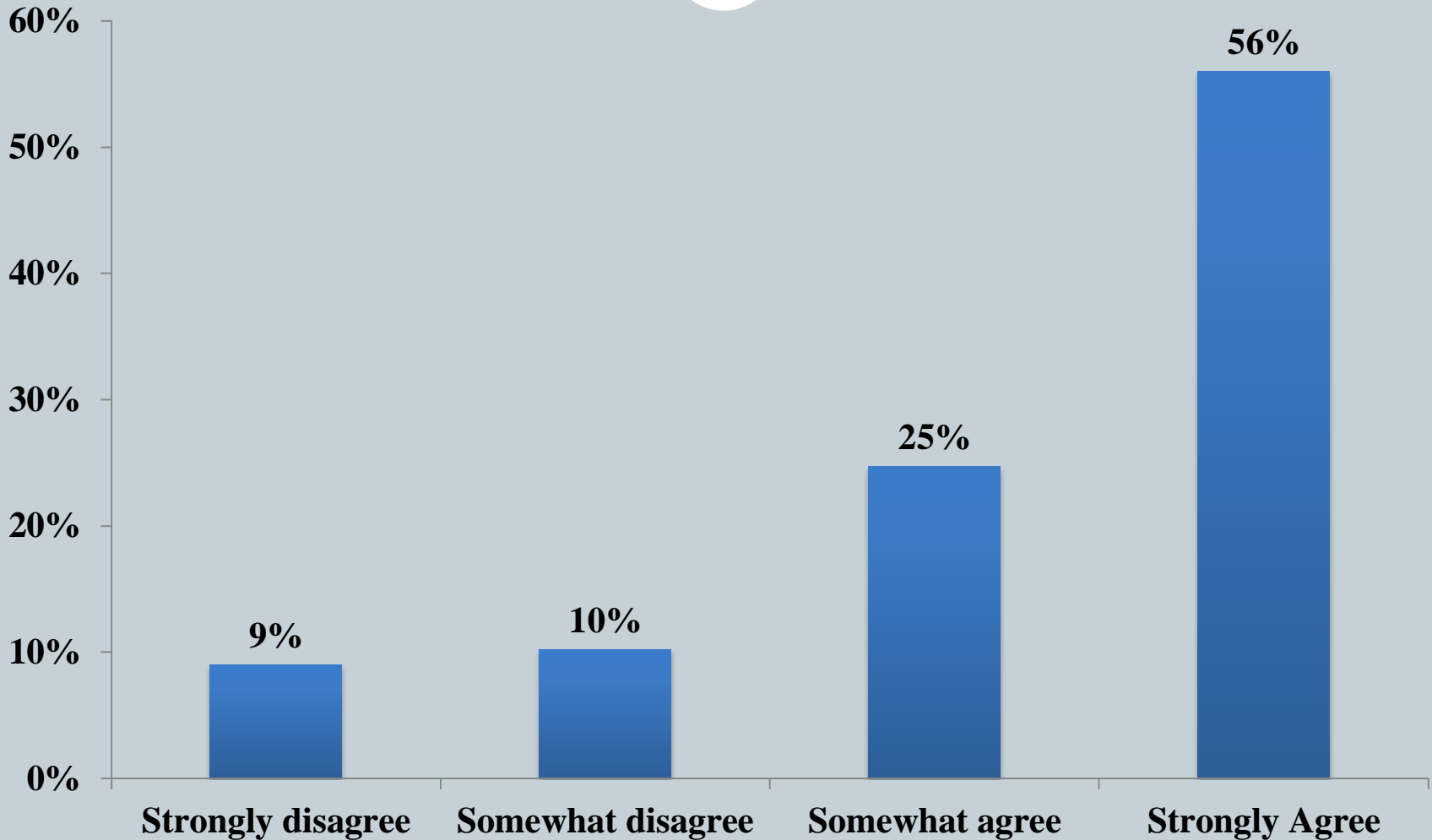
15



PRE	POST	DIFF	ES	%CHG	P-VAL
2.97	3.17	+0.20**	0.23	+0.07	0.01

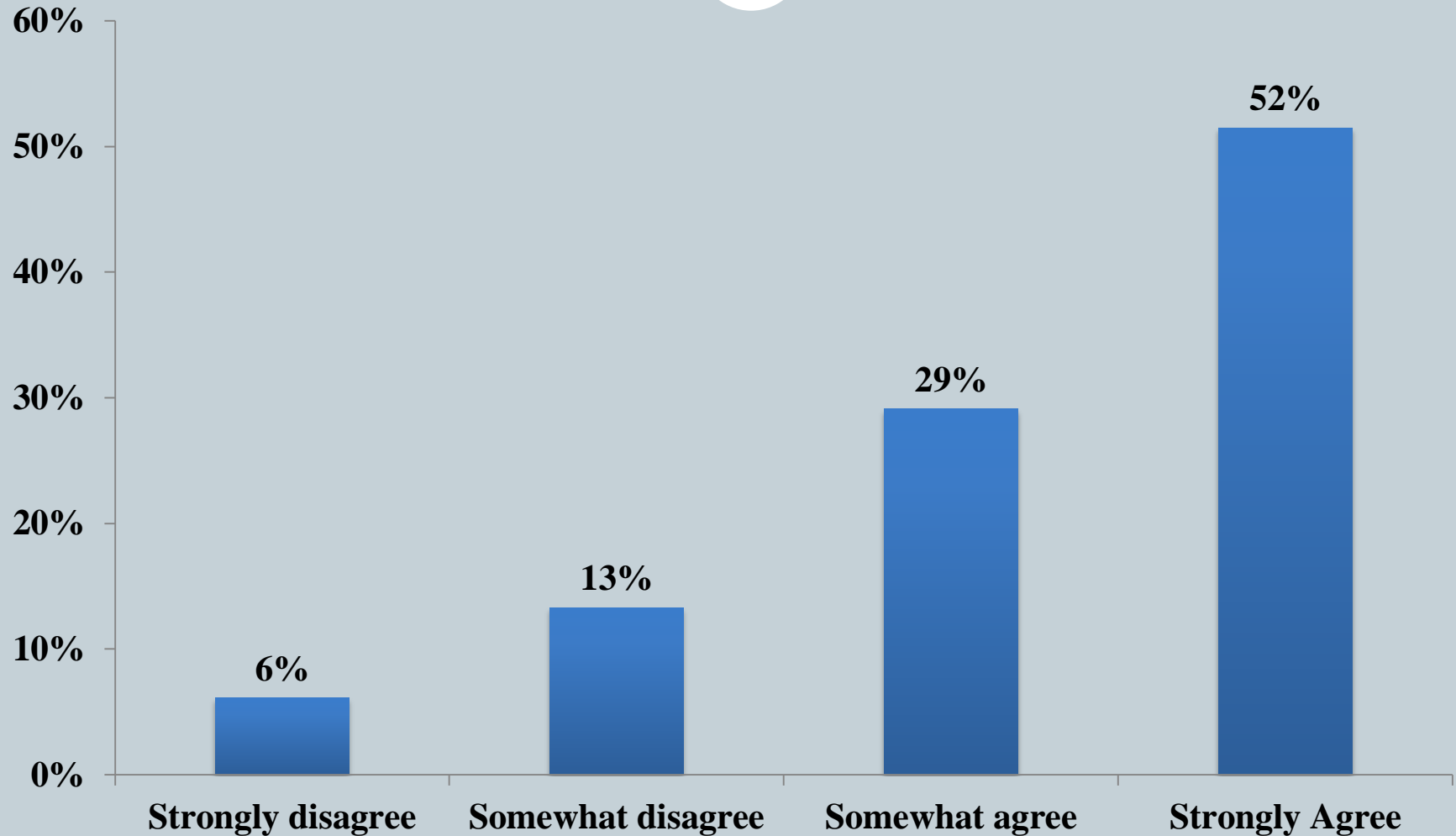
I look forward to school more on days when I have Chess Club.

16



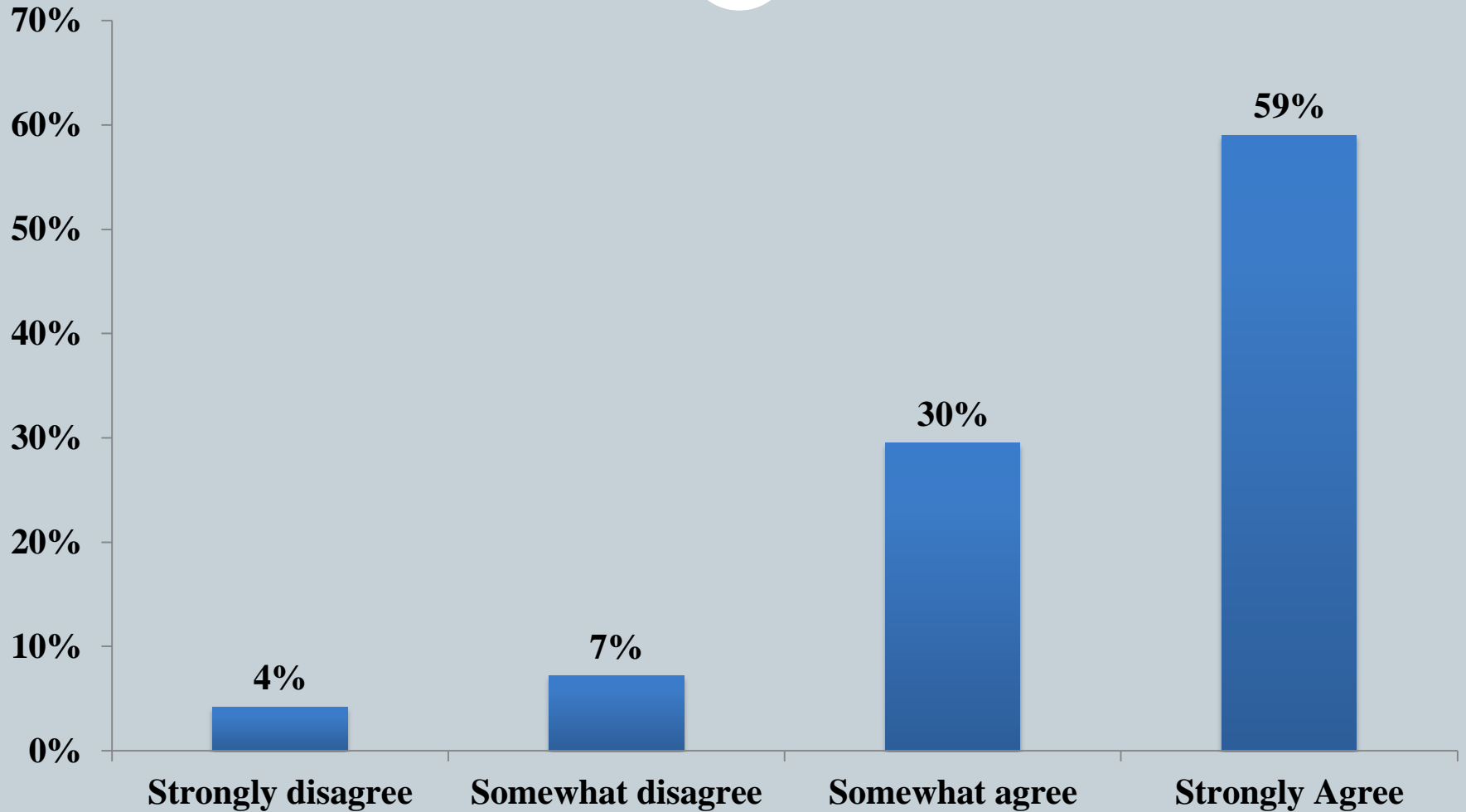
I would tell my friends they should join Chess Club.

17



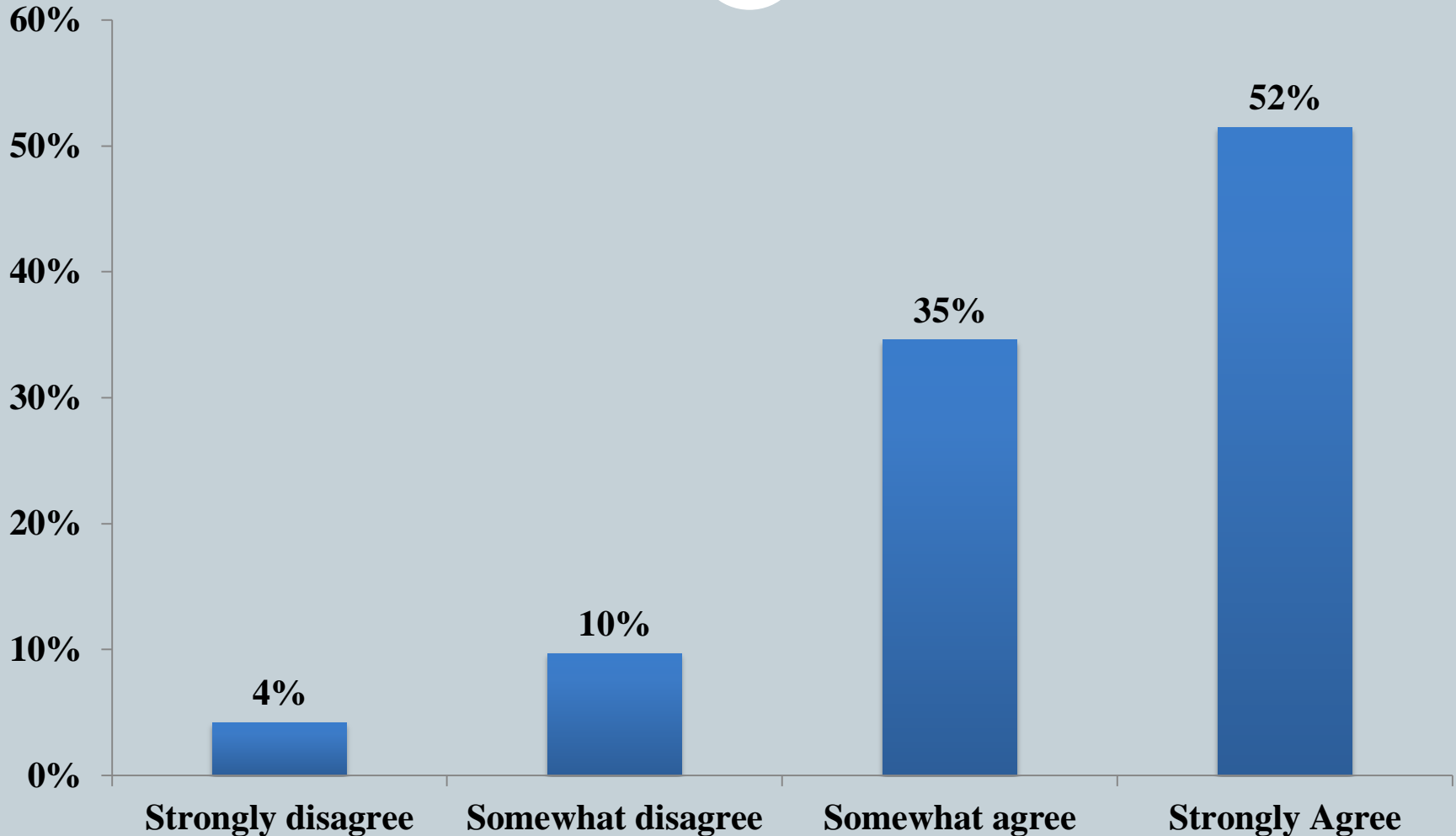
Being in Chess Club has taught me that I can complete difficult tasks if I work hard.

18



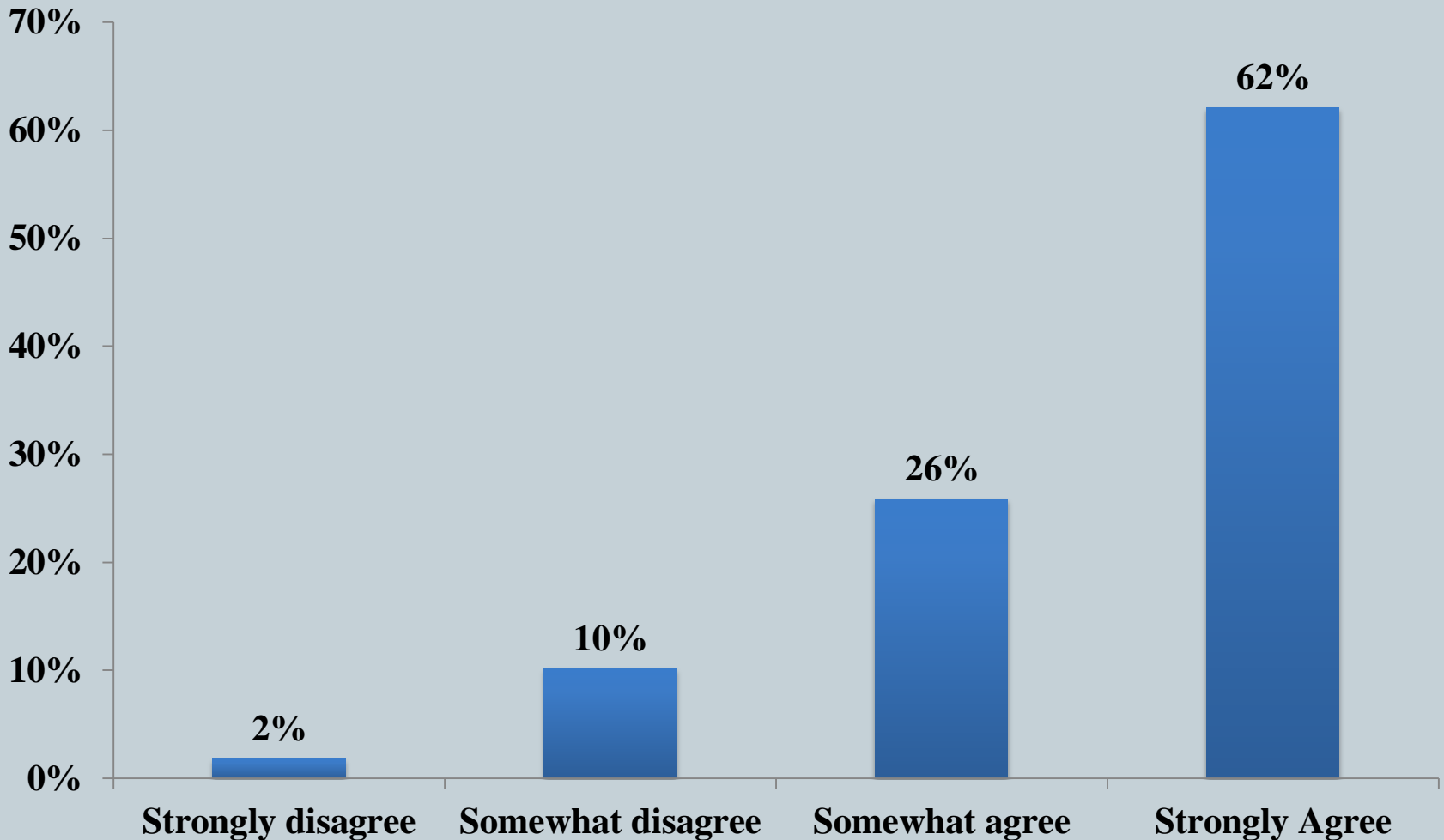
Being in Chess Club has made me more confident that I can learn difficult material.

19



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

20



Conclusion and Next Steps

21

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