



# The Use of Everyday Technologies by High School Students with Autism to Support Independence

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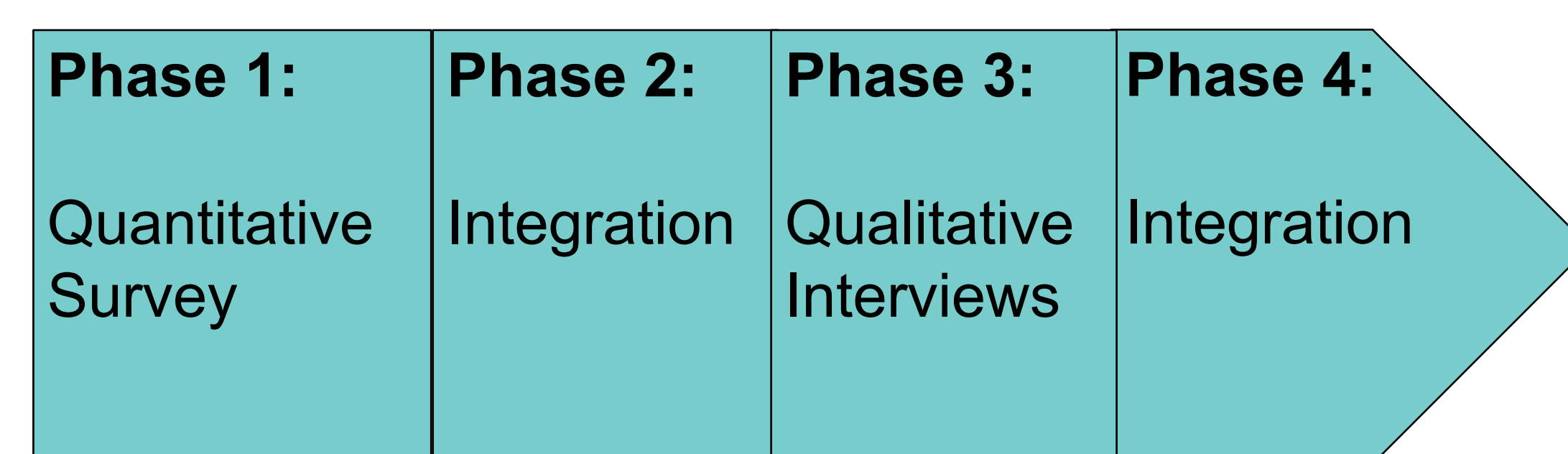
## Introduction

The majority of students with Autism Spectrum Disorder (ASD) are leaving high school ill prepared to integrate successfully into adult life, which comes at a huge cost, not only to themselves and to their families, but to society at large. Technology supports have the potential to improve their outcomes and enhance their quality of life. Knowing that most individuals with ASD have an affinity for technology and that technology is becoming more portable, less expensive, and more widely available, makes it an attractive potential support. Previous studies of the technology use by adolescents with ASD focused primarily on discretionary use (Kuo et al., 2013; MacMullin, Lunsky, & Weiss, 2015; Mazurek et al., 2012; Shane & Albert, 2008). This mixed methods study investigated the use of everyday technologies as a support tool by high school students with ASD.

## Objectives

1. To gain a first-person account of technology use
2. To find out what forms of tech teens w/ASD are using
3. To find out what purposes teens use technology
4. To gain insights into perceptions of the benefits and barriers of tech use

## Methods



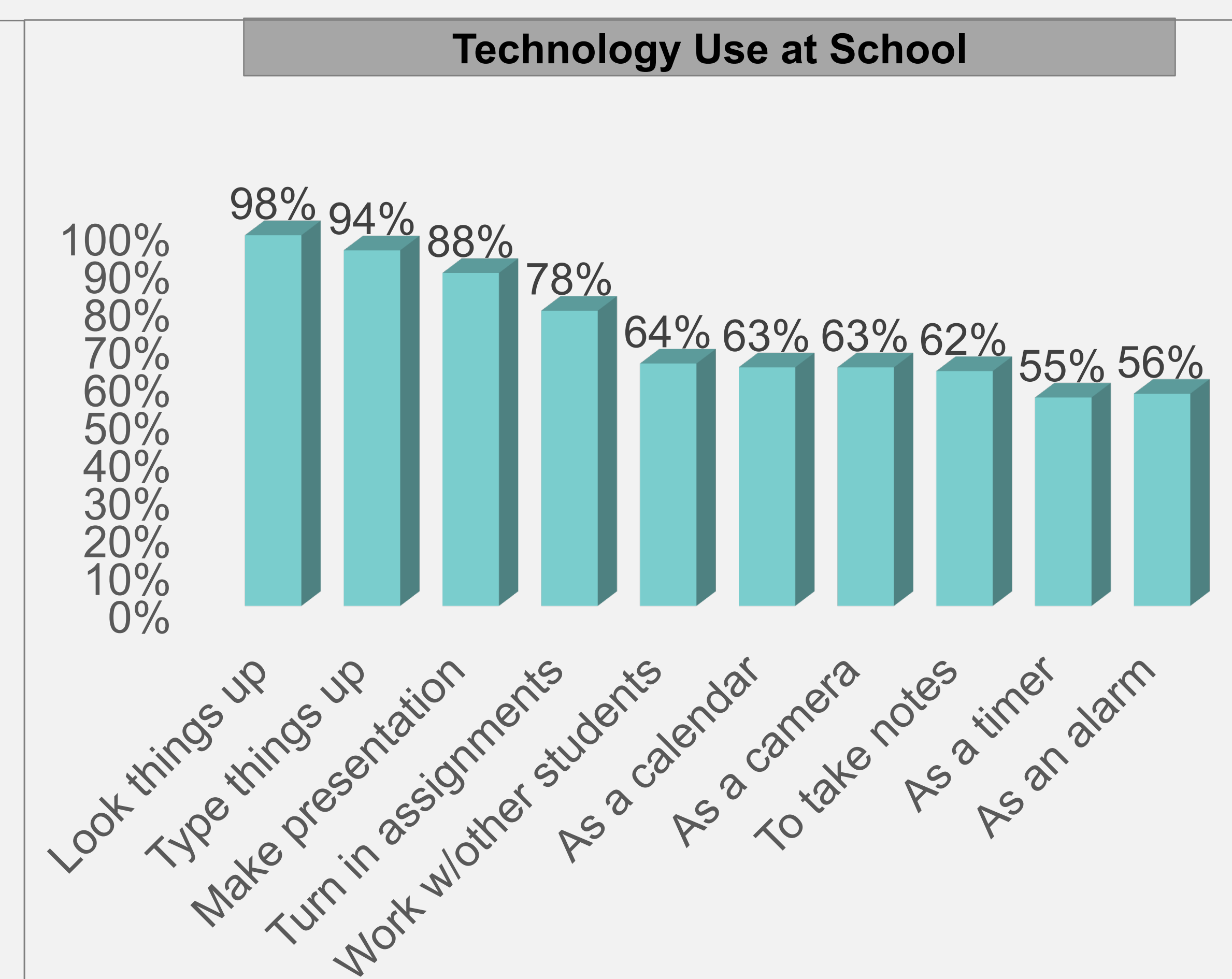
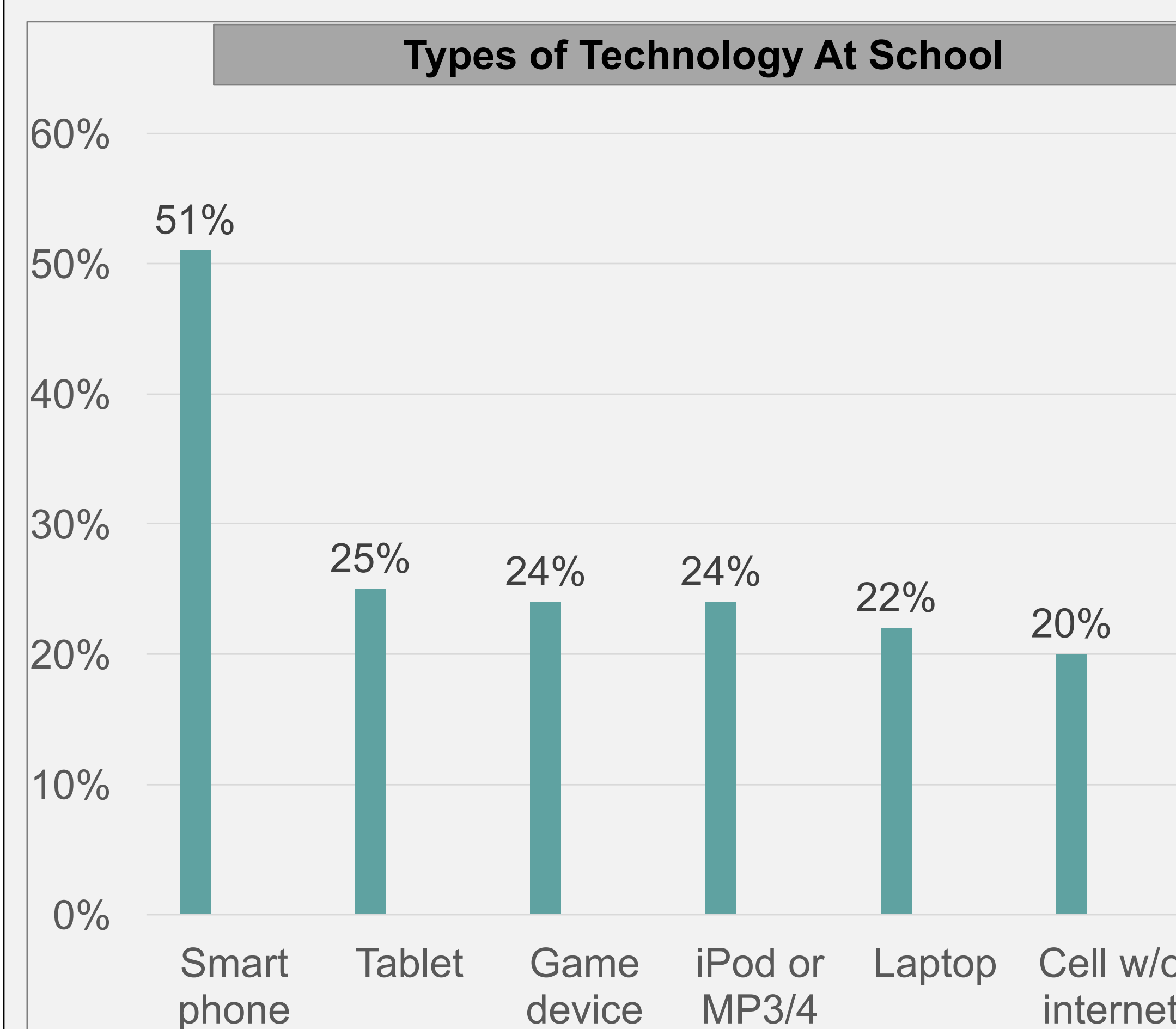
Characteristics	Survey N=243	Interviews N=10
Gender Male	84%	80%
Age	mean=17 range 14-22	mean=16 range 15-18
Race White	74% (Hispanic 17%)	70% (Hispanic 10%)
Income >\$99k	52%	20%
IQ >70	78%	90%
Standard Diploma Track	61%	90%

## Survey Results

84% of teens with ASD bring technology to school

At School

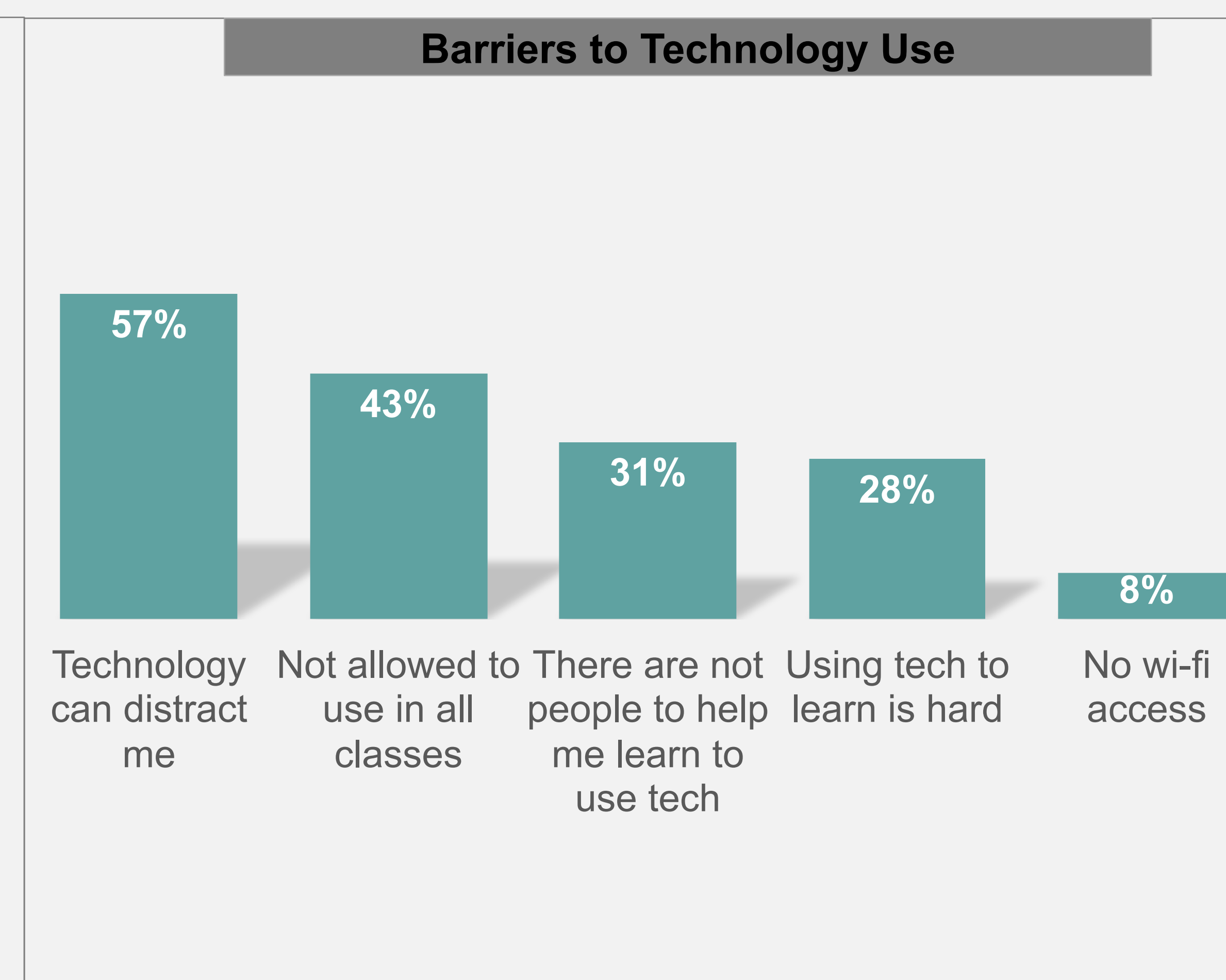
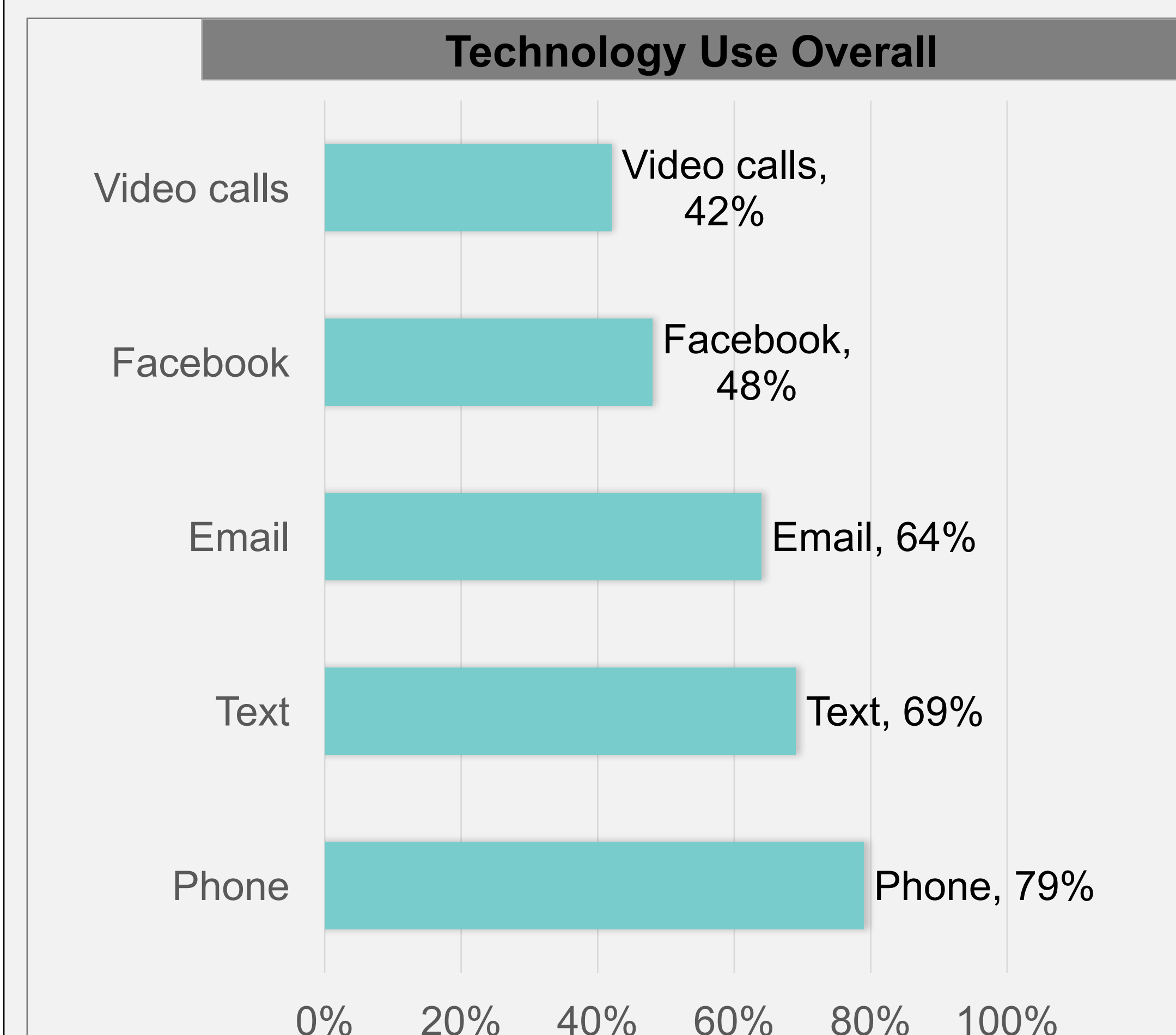
97% of teens with ASD use technology at school



96% of teens with ASD indicate they are good at using technology.

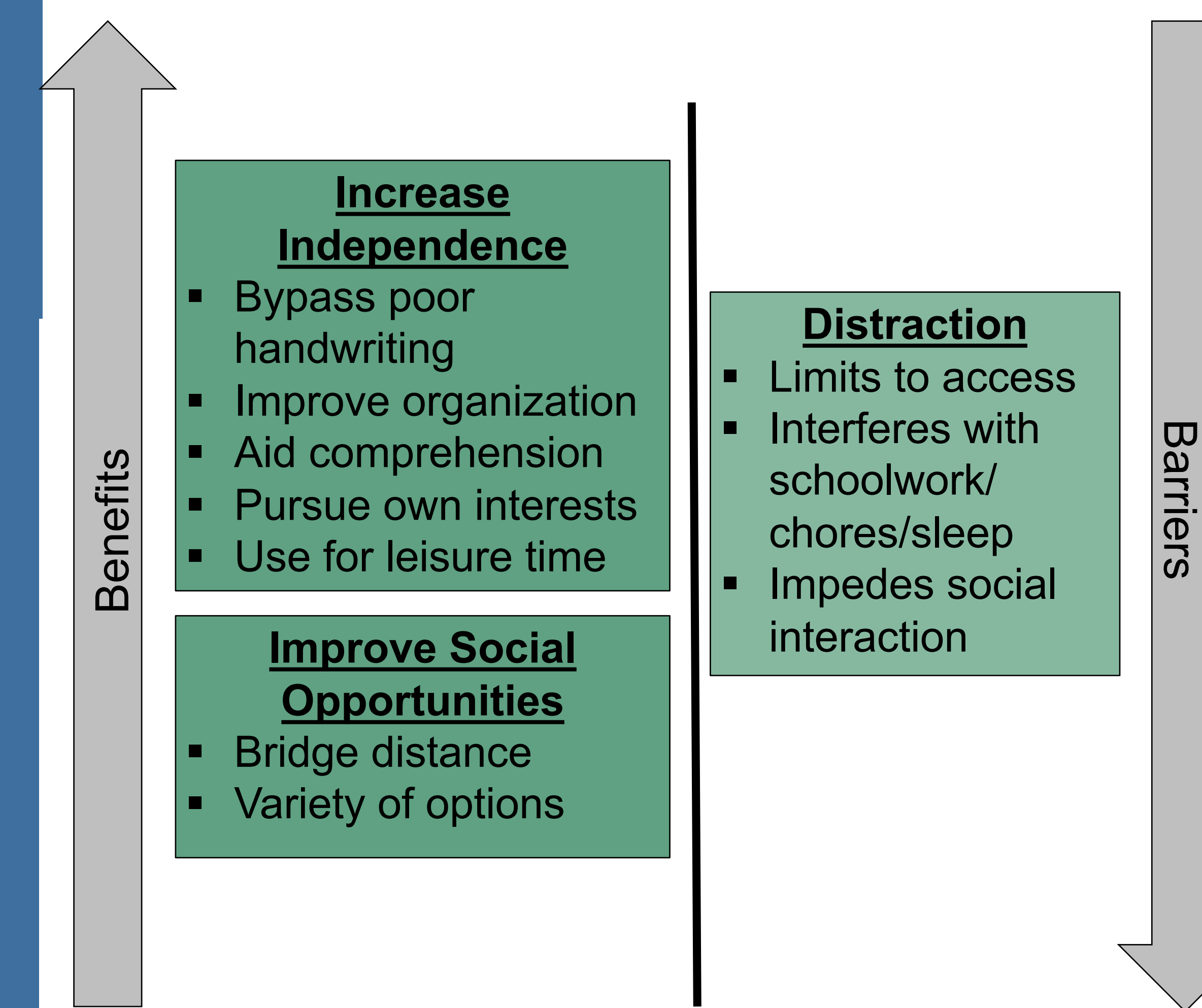
"I think technology is the best industrial thing in our world because it gives us joy and curiosity into great things."  
- Student Respondent, Survey

94% of teens use technology to communicate/socialize



57% of teens with ASD indicate technology can be distracting

## Interview Results



## Conclusion

Practitioners/parents should leverage the use of everyday technologies to:

- Improve organizational skills,
- Promote independence,
- Reduce anxiety and stress
- Enhance social/communication opportunities

Researchers:

- Need for efficacy studies for the above uses

Limitations:

- Self-report only
- Lack of diversity in sample

## References

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➤ MacMullin, J.A., Lunsky, W., & Weiss, J.A. (2015). Plugged in: Electronics use in youth and young adults with autism spectrum disorder. *Autism*. doi: 0:1177/1362362361314566047

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