



# The Long-Term AAA Impact of EI and Preschool

ACADEMICS, ACHIEVEMENTS, ASPIRATIONS

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# INTRODUCTION

- ▶ Hearing Technology
- ▶ Universal Newborn Hearing Screening
- ▶ Mandate of IDEA and Inclusion
- ▶ Current Technology

# IMPACT OF THESE CHANGES

- ▶ Better Access to Sound
- ▶ Earlier Identification and Intervention
- ▶ Increased Support Services
- ▶ Technology for Communication

# OVERVIEW OF STUDY DESIGN

## 8 - 13 YEARS OLD

- ▶ Elementary School
- ▶ 50 Children and Parents
- ▶ On-site Testing of Vocabulary, Language, Reading and Social Outcomes

## 14 - 32 YEARS OLD

- ▶ 44 High Schoolers 14-18 Years
- ▶ 64 Young Adults 18-32 Years
- ▶ Information Obtained Via Online Survey
- ▶ 80% Completed Responses

# PARTICIPANTS

## 44 HIGH SCHOOL

- ▶ 10 Hearing Aids
- ▶ 34 Cochlear Implants
- ▶ Mean Age 1<sup>ST</sup> HA - 1.5 Years
- ▶ Mean Age 1<sup>ST</sup> CI - 3.0 Years

## 64 BEYOND HIGH SCHOOL

- ▶ 7 Hearing Aids
- ▶ 57 Cochlear Implants
- ▶ Mean Age 1<sup>ST</sup> HA -1.6 Years
- ▶ Mean Age 1<sup>ST</sup> CI - 5.7 Years

# Age of Entrance to General Education

# COMMUNICATION FACE-TO-FACE

- ▶ Spoken Language
- ▶ Sign language - ASL



# COMMUNICATION THRU TECHNOLOGY

- ▶ Phone Talking
- ▶ Phone Texting
- ▶ Email



# SUPPORT IN SCHOOL

## HIGH SCHOOL

- ▶ ~~Xx~~ Closed Caption Video
- ▶ 28 CART
- ▶ 31 Teacher Aide
- ▶ 47 Resource Room
- ▶ 10 Oral Interpreter
- ▶ 20 sign interpreter
- ▶ 43 Tutoring
- ▶ 41 SLP
- ▶ 37 Notetaker
- ▶ 29 Itinerant TOD

## POST-SECONDARY

- ▶ 50 Closed Caption video
- ▶ 35 CART
- ▶ 30 Tutoring
- ▶ 22 Sign Interpreter
- ▶ 52 Notetaker

# PARTICIPATION IN HIGH SCHOOL

# HIGH SCHOOL ACHIEVEMENTS

# POST-SECONDARY OUTCOMES

- ▶ 4 stopped their education after High School
- ▶ 60 of 64 (94%) participants *attended some sort of post-secondary education:*



Tech  
Certificate  
Program



2-YR  
Community  
College



4-YR College,  
University



Graduate  
School

# UNIVERSITIES



# POST-SECONDARY ACHIEVEMENTS

# EMPLOYMENT

- ▶ XX Out of School - XX Have Full-Time Jobs
- ▶ XX Currently in School - XX Part-Time Jobs
- ▶ Area of Employment
- ▶ 28 in Business, 3 Gov't, 2 Non-Profit, 8 Education, 7 Self-Employed

# ASPIRATIONS

# TAKE-AWAYS





