Children
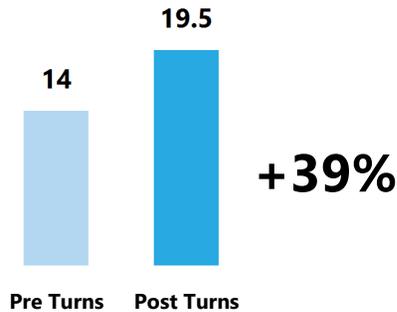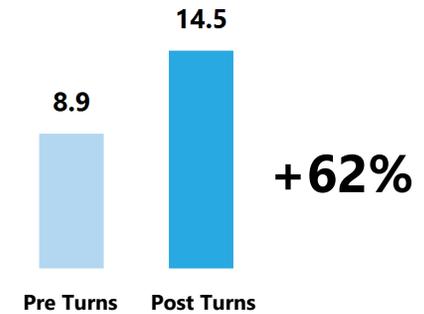
LENA Grow is designed to encourage more talk for children who start out experiencing the least. We measure this in two ways:

19.5

14

+39%

Pre Turns   Post Turns

Children who started out experiencing **less talk than their peers in the same classroom** (in the bottom third) had an average increase of **+5.5 turns per hour.**

14.5

8.9

+62%

Pre Turns   Post Turns

Children who started out experiencing **less talk than the national median of 15 turns per hour** had an average increase of **+5.6 turns per hour.**

Teachers

At the end of a 5-week sequence, teachers complete a survey reporting on the impact of the LENA Grow program.
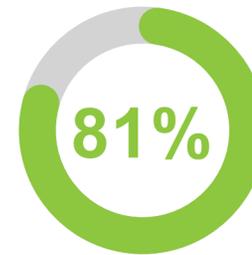
96%

Recommend LENA Grow to other teachers
(n=5412)

90%

Now feel **more confident** in teaching abilities
(n=5410)

88%

Increased overall **job satisfaction**
(n=5403)

81%

Increased **communication with families**
(n=5391)

92%

Saw changes in **children's language development**
(n=5401)

LENA

LENA GROW® | Impact

By the Numbers

72681
Children

11818
Teachers

8924
Classroom Groups

All Children

Conversational Turns

23.8
Pre

25.5
Post

+7%
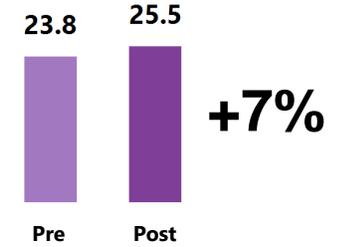
Average increase of
+1.7 Turns per hour.

Reference: LENA Benchmarks

Language Isolation

Average hourly interactions in center-based child care

Average hourly interactions in family child care

Optimal early talk environment

| 0 turns/hour | 5 turns/hour | 15 turns/hour | 25 turns/hour | 40 turns/hour |
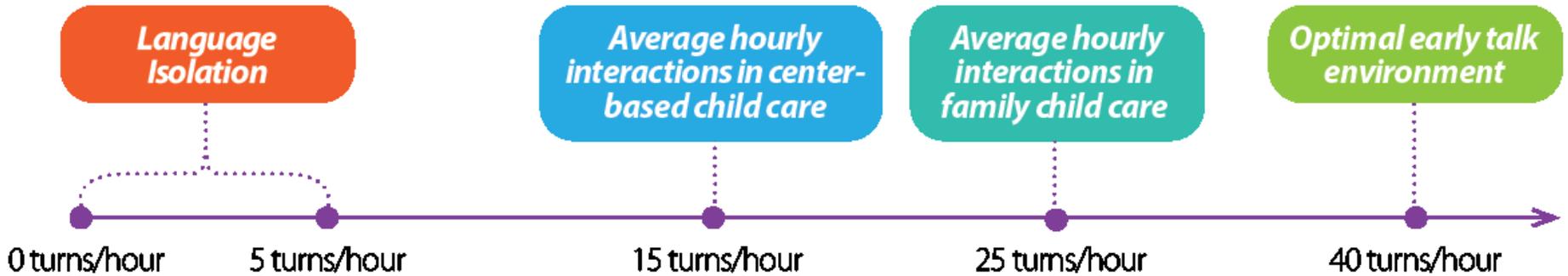
These conversational turns benchmarks are derived from the baseline LENA data of more than 15,000 children across more than 2,000 classrooms worldwide. Publicly funded, privately funded, center-based, and family child care sites are all represented within the sample, as are all 10 Head Start regions. Further information can be found at lena.org/research.

LENA®

Child Impact Statistics

Conversational Turn per Hour

Impact Segment	Sample Size	Pre Mean	Post Mean	Mean Δ	Percent Δ	Cohen's d*	Effect Size
All Participants	59411	23.8	25.5	1.7	7	0.1	small
Bottom Third of Room	16567	14	19.5	5.5	39	0.6	medium
Low Talk (<15 Turns)	20544	8.9	14.5	5.6	62	1.5	large

*Cohen's d is a commonly used measurement of the standardized mean difference, and is used here to determine effect size.
Cohen's d Effect size key: d of less than 0.5 is "small;" d of 0.5 to 0.8 is "medium;" d of 0.8 or greater = "large."

About LENA Grow

What is LENA Grow?
- **Evidence-based, job-embedded professional development** program for early childhood educators.
- Helps educators truly **connect with every child** in their care.
- Measurably and sustainably **increases conversational turns**.

What are conversational turns?
- **Back-and-forth talk** between a child and an adult.
- LENA's **unique technology counts the conversational turns** each child experiences across the day.

What do these results mean?
- Increasing conversational turns is shown to boost children's **language, literacy**, and **social** development while improving both **teacher satisfaction** and **classroom quality**.
- Up to 40 conversational turns per hour, each increase of **two turns per hour** is associated with a **one-point increase in Full Scale IQ**.

Report Population

Classroom Groups
Must complete 5 LENA Days to meet impact criteria.

Impact Criteria	Legacy	Grow 1
Meets	1681	6433
Does Not Meet	485	325
Total	2166	6758

Children
Must complete 3 LENA Days to meet impact criteria.

Impact Criteria	Legacy	Grow 1
Meets	11790	47621
Does Not Meet	4283	8987
Total	16073	56608

Teachers
Must complete 5 weeks of LENA coaching to certify.

Certification Criteria	Grow 1
Meets	9374
Does Not Meet	2444
Total	11818