Supplementary Materials

Table S1. *Descriptive results of infant volubility and mixed input at each age. Median (Quartile 1 – Quartile 3).*

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| --- | --- | --- |
|  | **10-Month** (*N* = 21) | **18-Month** (*N* = 16) |
|  | **Infant Volubility *(per day)***1 | |
| **Overall Volubility** | 1071 (966 − 1502) | 2005 (1837 − 3067) |
| **Local Volubility** | 13 (6 – 17) | 45 (31 – 96) |
|  | **Mixed-Language Input *(per day)*** | |
|  | ***Global Mixing*** | |
| **Segment Counts** | 11 (8 – 16) | 23 (13 – 33) |
| **Proportions** | 4% (3 – 5%) | 6% (4 – 11%) |
| **Adult Word Counts** | 299 (194 – 526) | 699 (495 – 1310) |
|  | ***1:1 Mixing*** | |
| **Segment Counts** | 5 (2 – 7) | 15 (9 – 27) |
| **Proportions** | 6% (3 – 8%) | 12% (6 – 21%) |
|  | ***Parent-reported Mixing*** | |
| **LMS**2 | 11 (6 – 16) | 12 (9 – 16) |

Note:

1 Infant volubility was estimated by LENA-generated Child Vocalization Count (CVC). Overall volubility is the number of infant vocalizations produced in a day while local volubility is the number of infant vocalizations produced within the segments involving language mixing.

2Averaged across maternal and paternal Language Mixing Scores (LMS).

Table S2. *Spearman’s correlation between infant overall volubility and mixed input measures (by-infant analysis 1).*

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| --- | --- | --- | --- | --- | --- | --- |
|  | | **Mixed Input Measures** 2 | | | | |
|  | **Reported Mixing** | | **Global Mixing %** | **1:1 Mixing %** | **Global Mixing #** | **1:1 Mixing #** |
| **10-month** (*N* = 21) | – .24 / – .27 3 | | – .39 / – .28 | – .54\* / – .56\*\*4 | – .12 | – .33 |
| **18-month** (*N* = 16) | – .40 / – .31 | | – .23 / – .34 | – .30 / – .49 | .06 | .03 |

Note: \* *p* < .05, \*\* *p* < .01

1 One datapoint for each infant at each age. At 10 months, volubility and input measures were averaged across three days.

2 Reported Mixing was averaged across maternal and paternal Language Mixing Scores. Observed (Global and 1:1) Mixing was indexed by segment counts of 30-second segments involving language mixing in our corpus. Proportions (%) were computed as the number of mixed segments divided by the number of annotated segments in the corresponding social context.

3 The first *r*-value is zero-order correlation between infant volubility and mixed input. The second *r*-value is partial correlation when total amount of input in the corresponding social context is statistically controlled. For reported mixing, we controlled for the total amount of global input.

% − Proportions; # − Segment Counts; 1:1 – one-on-one social contexts.