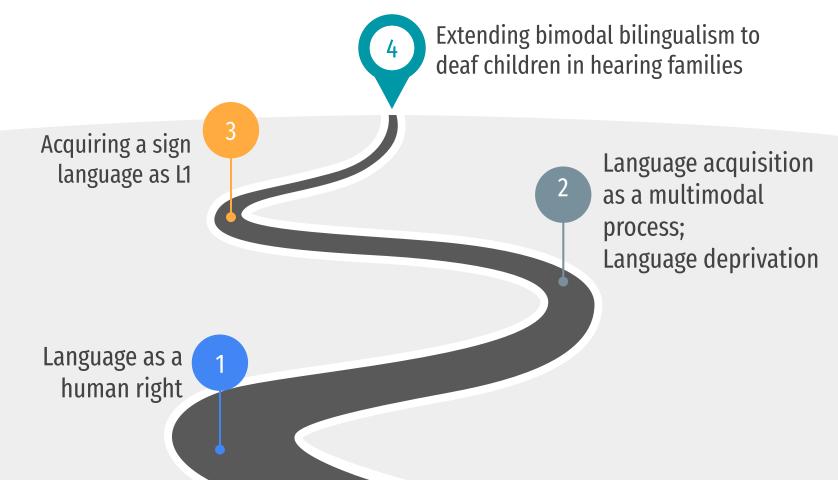
Sign Language Acquisition as a Human Right

Diane Lillo-Martin (University of Connecticut), Elaine Gale (Hunter College, CUNY), Deborah Chen Pichler (Gallaudet University), Amber Martin (Hunter College, CUNY)

> Chosun University Seminar July 2023

Roadmap for this talk



Human Rights: History

- 1948Universal Declaration of HumanUDHRRights
- 1989United Nations Convention on theUNCRCRights of Children

2006 United Nations Convention on the UNCRPD Rights of People with Disabilities

UDHR, 1948; UNCRC, 1989; UNCRPD, 2006

Human Rights: Discrimination

Audism

Phonocentrism

Linguisticism

Bauman, 2004; Humphries, 1977; Holcomb, 2013

Human Rights: Language

Article 2 Definition

Article 9 Accessibility

Article 21 Freedom of Expression & Opinion Article 24 Education

https://wfdeaf.org/wp-content/uploads/2017/01/7.-Human-Rights-Toolkit.pdf

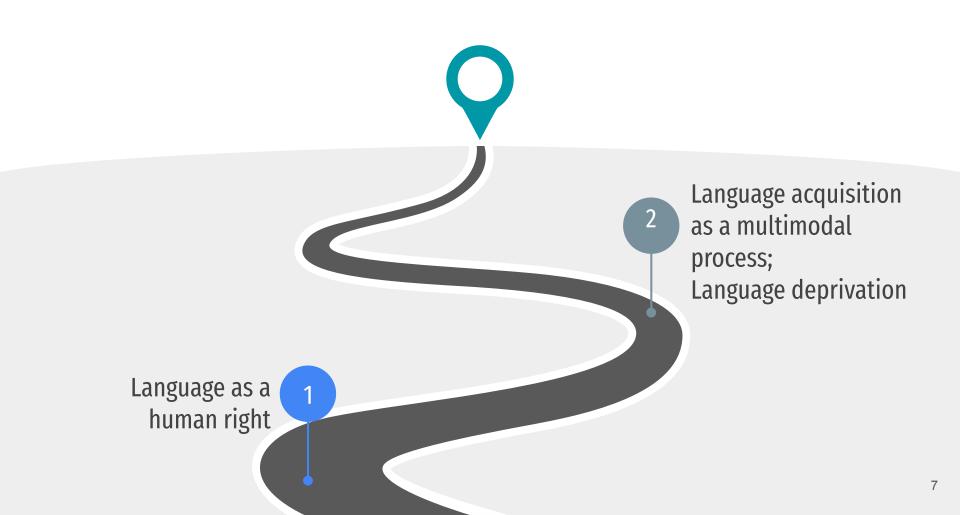
Deaf Gain

<u>Closed</u> <u>Captioning</u>

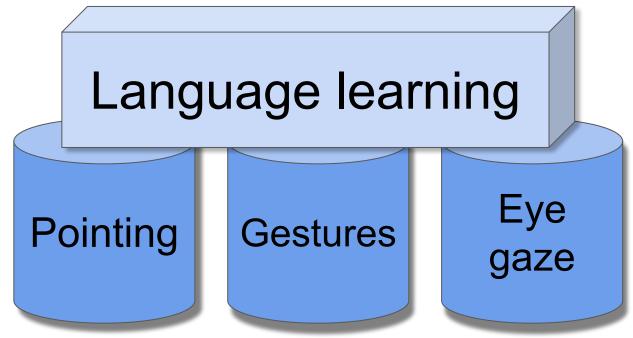
Sign from a Distance

<u>Football</u> <u>Huddle</u> Sign with Babies

https://www.youtube.com/watch?v=FrLoCB5i5KY | https://www.youtube.com/watch?v=v4gi5ZhcS4I



Multimodality



Hollich, 2000; Woodward, 2004; Lucca & Parramore Wilbourn, 2018

Multimodality

ALL children's language learning is multimodal





Deaf children need the benefit of multimodal learning too

Booth et al. 2006

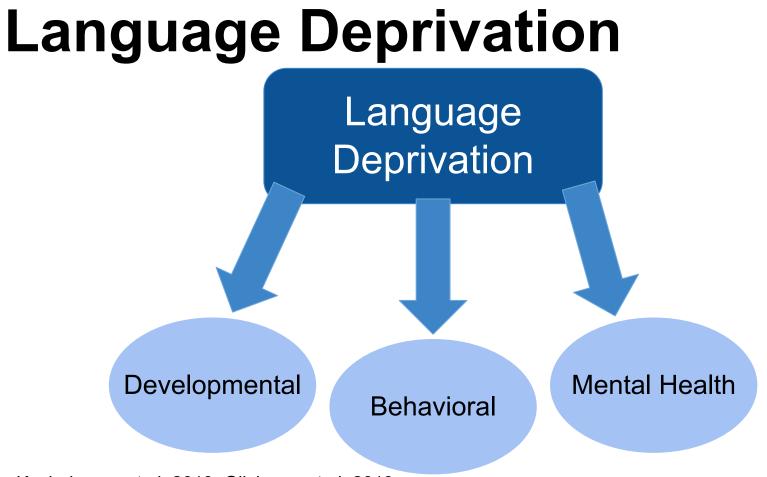
Language Deprivation

Language is a neurologically expected experience

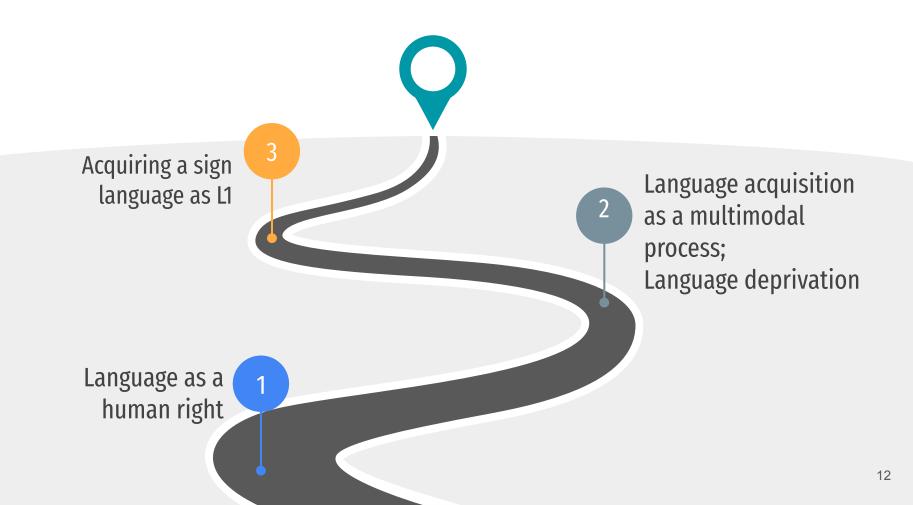
Absence of sufficient access or exposure to language to develop language on a typical timeline

Language deprivation has environmental causes

Hall, et al. 2019



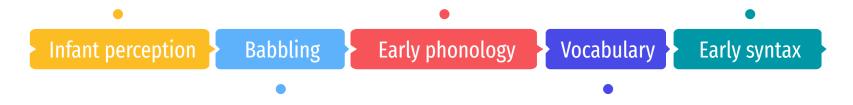
Kushalnagar et al. 2019; Glickman et al. 2019



Acquiring a Sign Language as L1

First language acquisition occurs naturally with full access to sign language.

Children with early sign language input follow a developmental trajectory that parallels L1 spoken language acquisition.



Sign language as L1: Infant perception

Deaf and hearing infants (5-18 mo.) distinguish between RSL/DGS and ASL/SEE, even without previous experience \rightarrow early sensitivity to visual prosodic patterns (multimodal competence).





Modified from Blau (2023)

Sign language as L1: Babbling

Sign-exposed babies produce manual babbling, comparable to vocal babbling in timing and structure (Petitto & Marentette 1991).



https://www.youtube.com/watch?v=u7xQfD8Isuo



Manual babbling from a 1;06 koda 0:15 https://youtu.be/DXfxGybGiUk



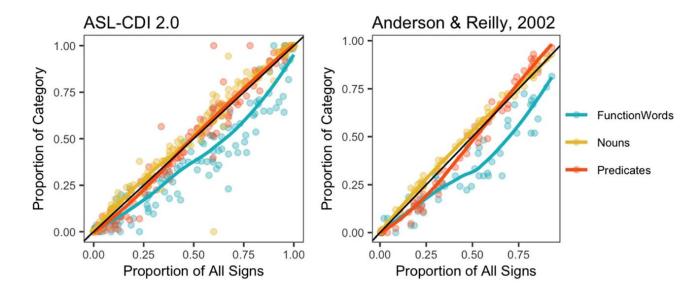
Sign language as L1: Early phonology



Typical phonological errors from a 2;0 koda https://youtu.be/InGloVPEAnk

Sign language as L1: Vocabulary

Two ASL adaptations of the MacArthur-Bates Communication Development Inventory (CDI) report vocabulary patterns for DoD children that are similar to those observed for other languages.

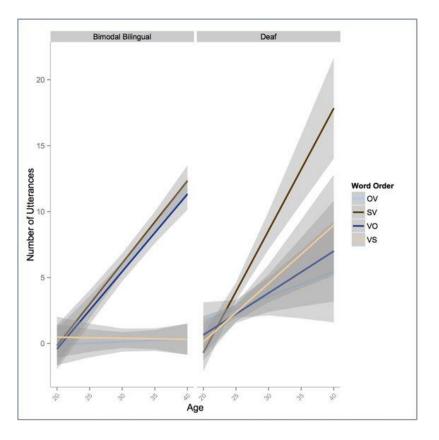


Caselli, Lieberman & Pyers (2020)

Sign language as L1: Early syntax

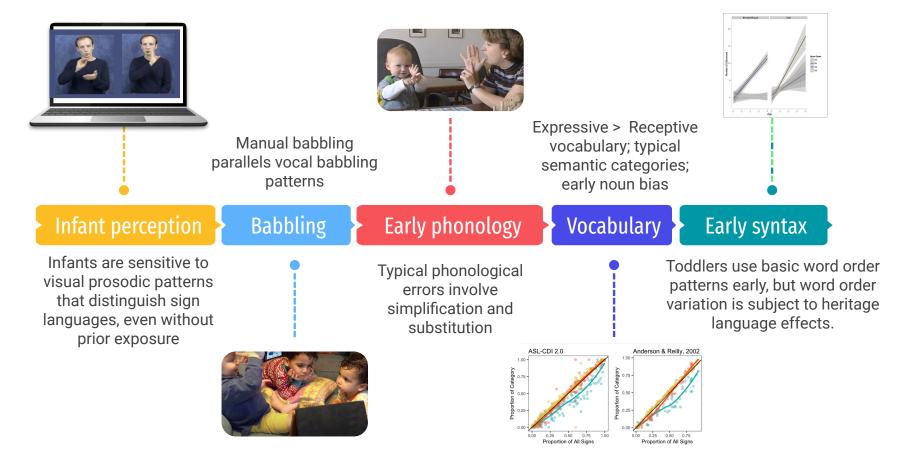
	Koda/DDCI	Deaf
SV	23 mo.	23 mo.
VS	*	30 mo.
VO	23 mo.	23 mo.
OV	*	30 mo.

Similar reduction in word order variation for Wh-questions for koda/DDCI; likely **heritage language effect**.

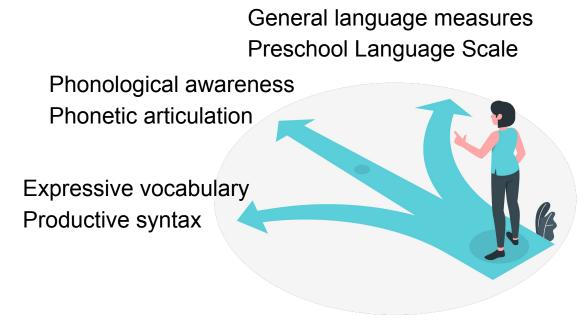


Early syntax

Sign language as L1: Summary



English development by bimodal bilinguals



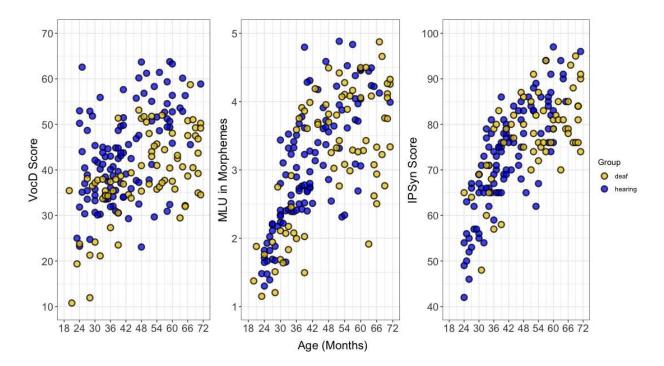
Davidson, Lillo-Martin & Chen Pichler (2014)

Marketing illustrations by Storyset

Kodas and deaf children with CI who use a natural sign language with their Deaf families scored in the normal range for hearing children on standard English tests, outperforming oral-only DHH children.

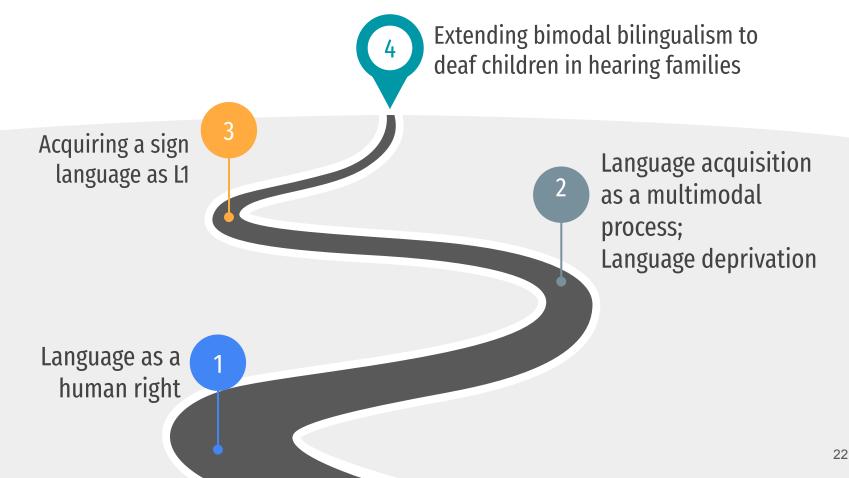
English development by bimodal bilinguals

Analysis of longitudinal English data from 12 bimodal bilingual children (6 DDCI, 6 koda):

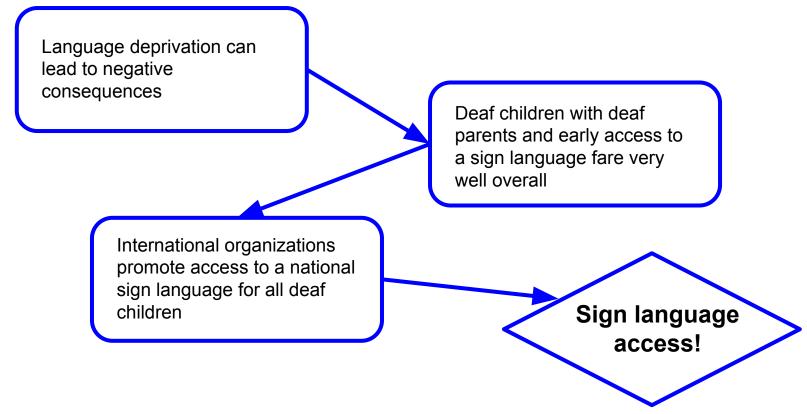


Goodwin & Lillo-Martin (under revision)

Roadmap for this talk



Bimodal Bilingualism as a Solution to the Language Deprivation Problem



Learning from the Model of Deaf Parents

As deaf adults, deaf parents understand about effective ways to communicate with deaf children.

What strategies are used by deaf parents when communicating with their children?





Visual Strategies

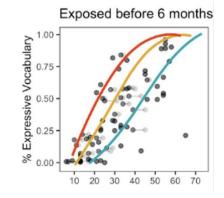


Mather, 1989; Masataka, 1996; Gale & Schick, 2009; Schleper, 1996

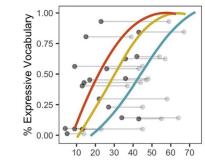
Hearing Parents as M2L2 Learners

Can hearing parents learn a new language in a new modality (M2L2) quickly and proficiently enough to provide an appropriate language-rich environment for their DHH children?

Vocabulary development in deaf children with hearing parents learning ASL



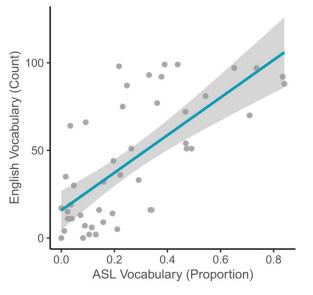




Caselli et al. 2021

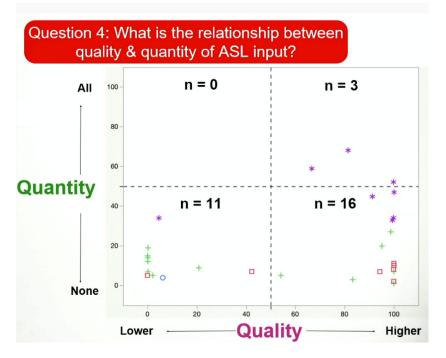
Children exposed to ASL by 6 months develop ASL vocabulary on par with deaf children from Deaf, signing families.

Also, children's ASL and English vocabulary are strongly correlated.



Pontecorvo et al. 2023

Low quantity (not quality) is the bigger barrier to child ASL development



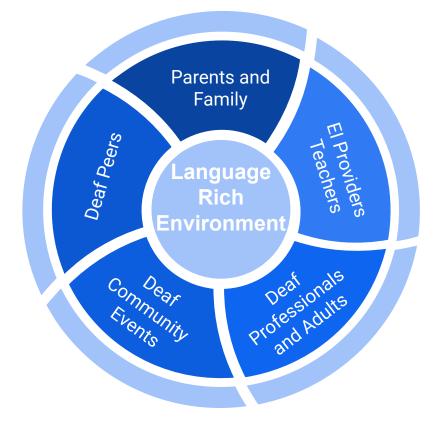
30 DHH children learning ASL.

DHH Language Exposure Assessment Tool (D-LEAT):

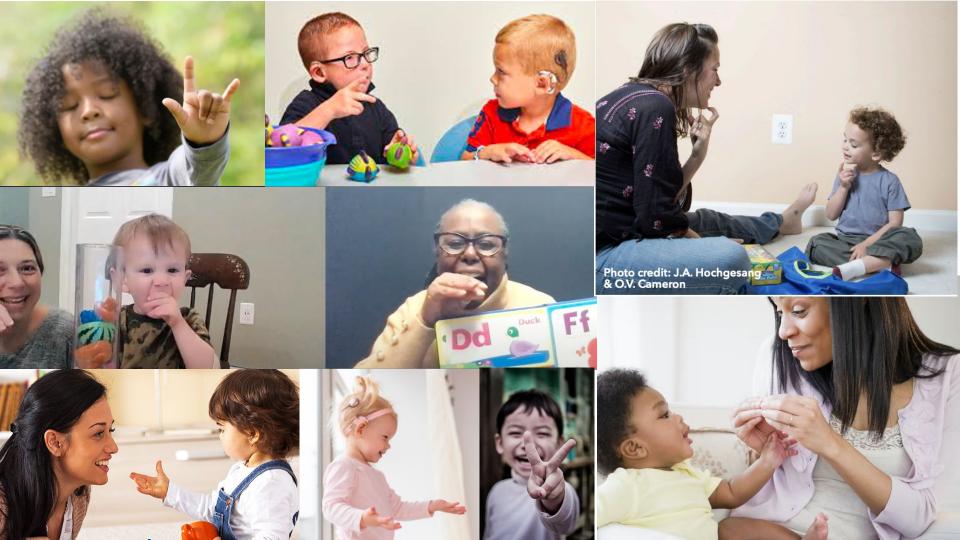
- no one is getting large quantities of poor ASL.
- some get low quantities of low quality ASL.
 Focus on increasing quantity.

(Hall, Hallock, De Anda, Kite & Mitchiner, 2022)

Strategies for Providing a Language-Rich Environment for DHH Children



Conclusion



SIGN LANGUAGE Rights for All!



WORLD FEDERATION OF THE DEAF



INTERNATIONAL WEEK OF THE DEAF 2019

23-29 September 2019

International Week of the Deaf 2019 Theme



SIGN LANGUAGE Rights for All!



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Spare Slides

Sign language as L1: Early syntax

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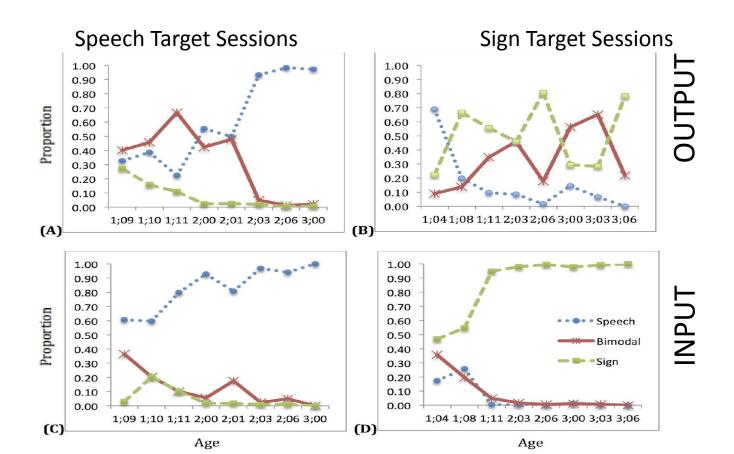
Early syntax

Bimodal bilinguals: Code-blending

Bimodal bilinguals engage in frequent code-mixing, a quintessential bilingual behavior, in the form of code-blending (simultaneous sign + speech/whisper)



Bimodal bilinguals: Language choice



Lillo-Martin et al. (2014)