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Steps to Localize a Robust English AAC Application in Swedish

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Bethany Diener

Agenda

- Translation and localization
- Focus of localization
- Examples of localization

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Translation vs. Localization

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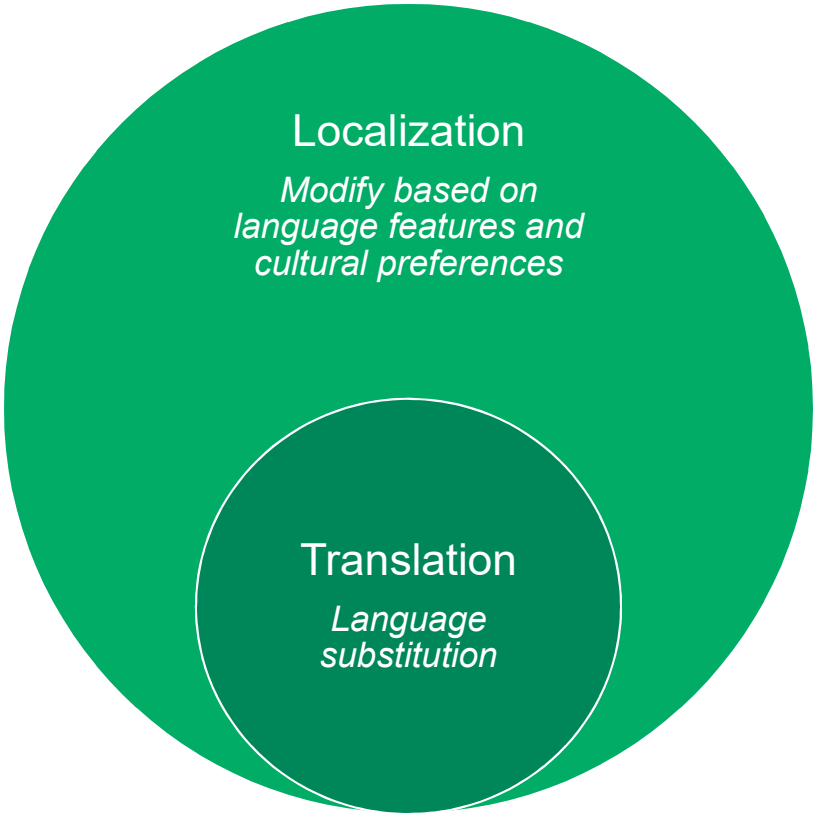
Translation Versus Localization



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Translation Versus Localization

Jag vaknade upp klockan 8

Jag vaknade klockan 8.

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Translation Versus Localization

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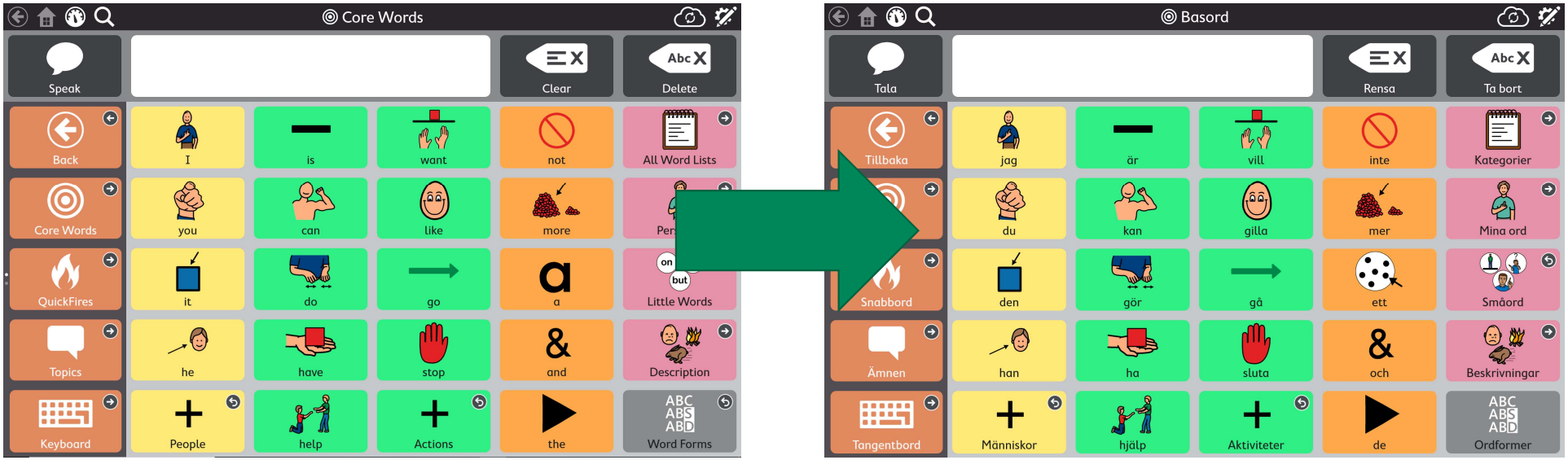
Challenge 1: Localization not Translation



Challenge 2: Maintain Evidentiary Integrity

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Focus of Localization: Evidence-based Practice

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Evidence-base

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Primary Goal and Purposes

Communicate like verbal communicators for the purposes of:

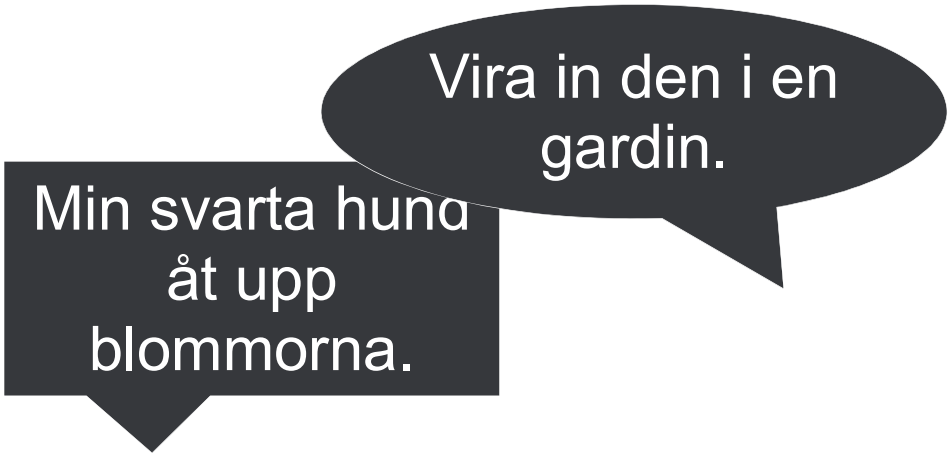
- Engagement *regardless of skill level*
- Literacy
- Growth

McCoy et al, 2007; Blackstone, 1993; Koppenhaver, 2000; Fallon & Katz, 2008, Thistle & Wilkinson, 2013, DLM Professional Development Team, 2013; Dukhovny & Zhou 2016

Types of Language Used by Verbal Communicators

Novel

- Chosen word-by-word
- Used for precision



Formulaic – 70%

- Memorized chunks of language
- Used for fluency and efficiency

Sidtis, 2004 & 2012; Wray, 2000

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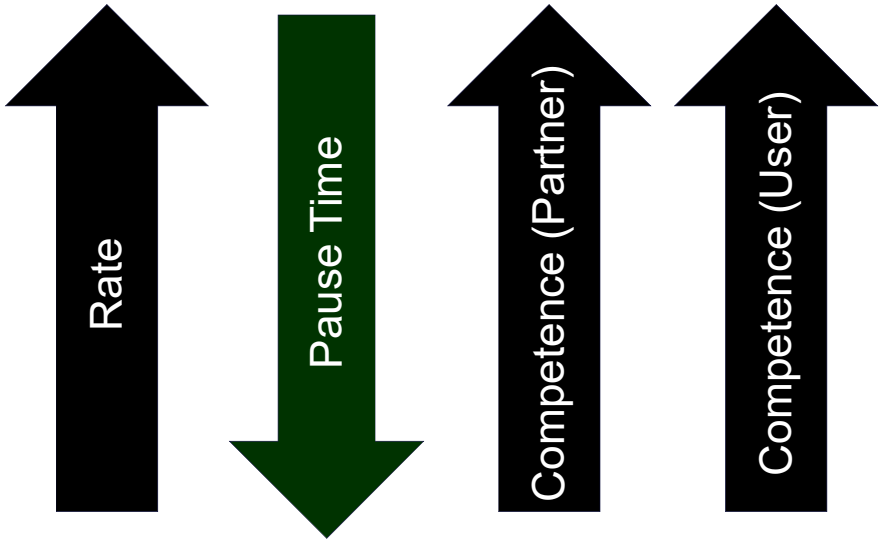
Novel & Formulaic Language

Sidtis, 2004 & 2012

Novel and Formulaic Language in AAC



Todman et al, 2008

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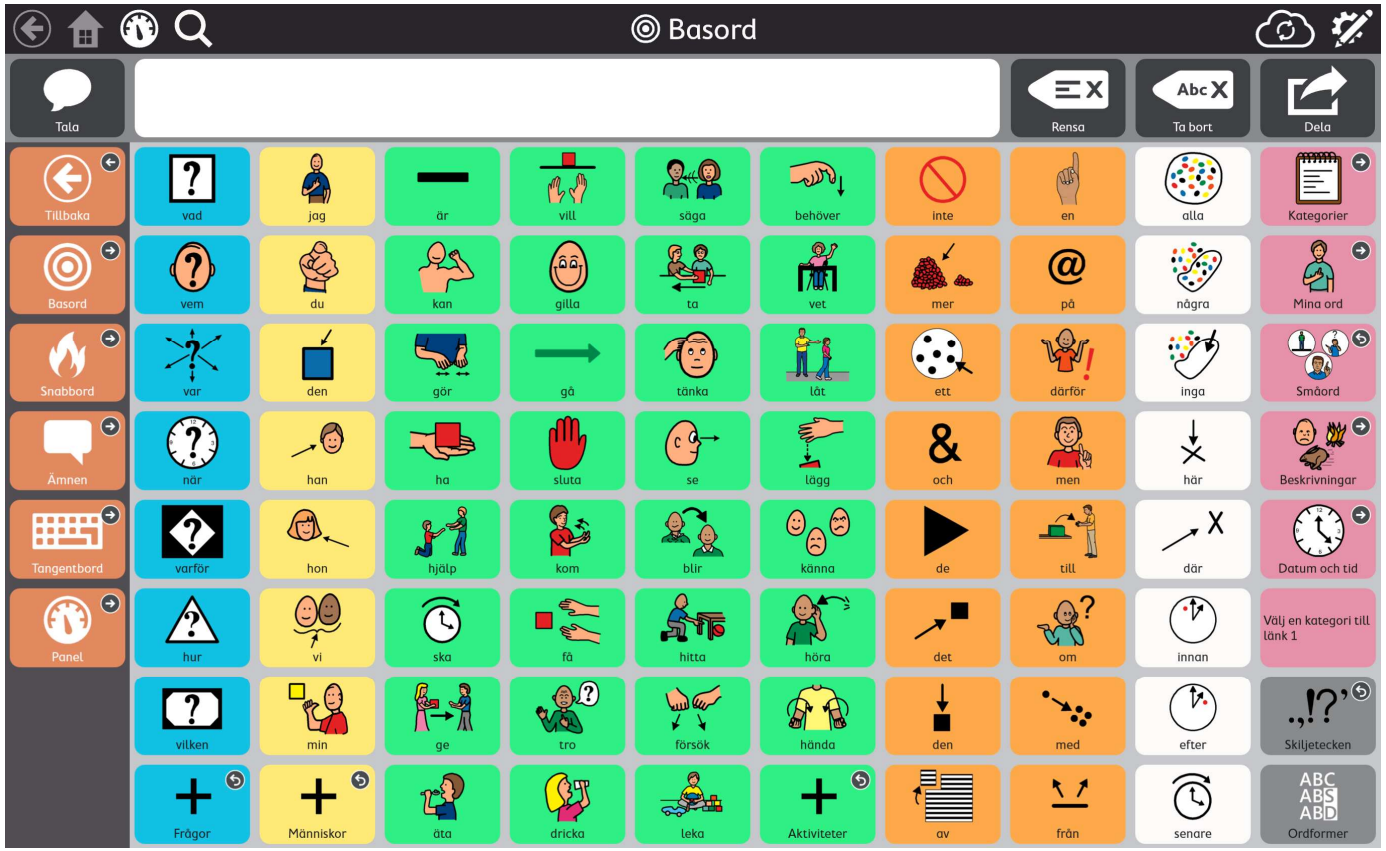
Novel and Formulaic Language



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Examples of Localization

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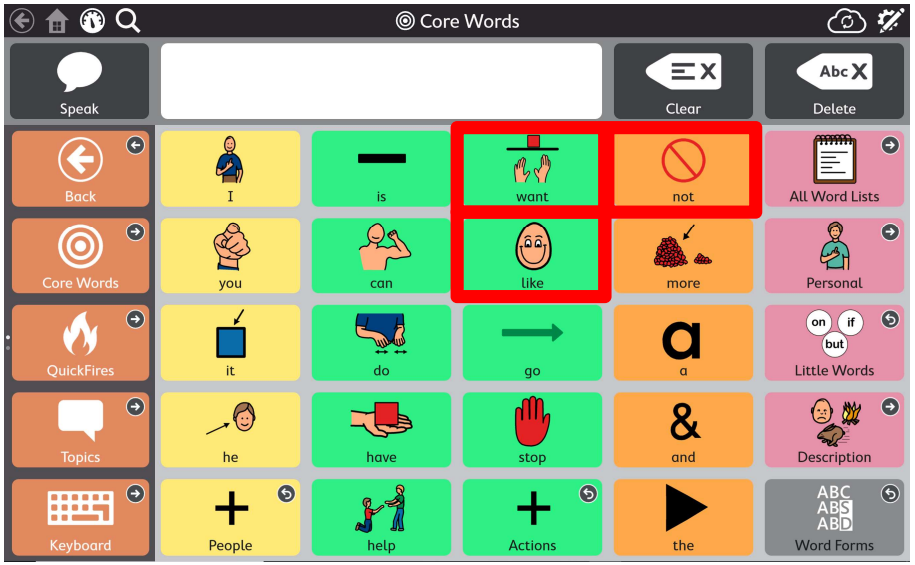
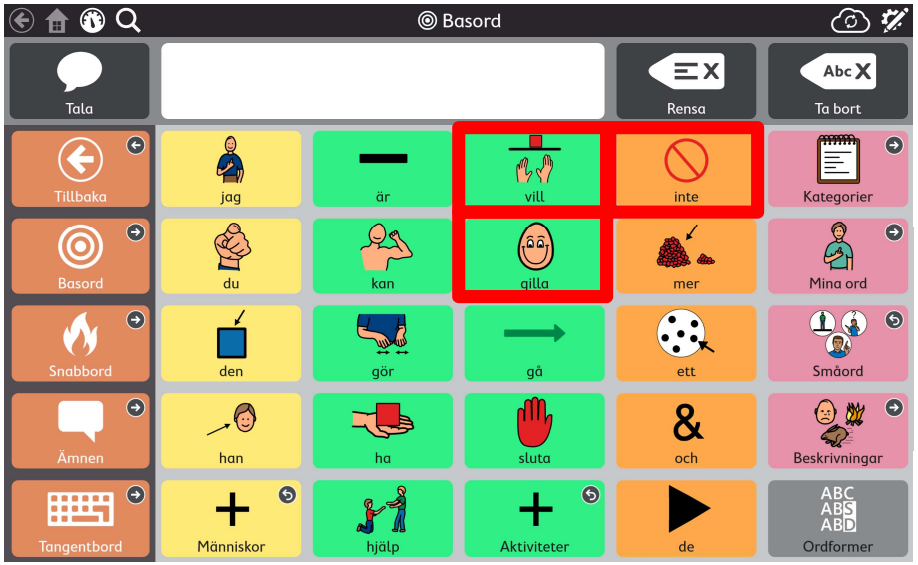
Novel Tools - Core





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Novel Tools: Core

English

Evidence

- Scientific research ✓
- Expert opinion ✓
- Client perspective ✓

Focus

- Frequent AND flexible words
- Systematic growth

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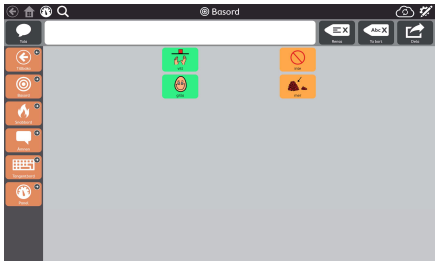
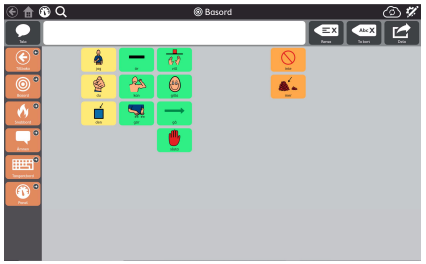
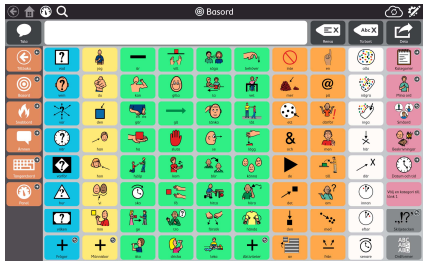
Growth

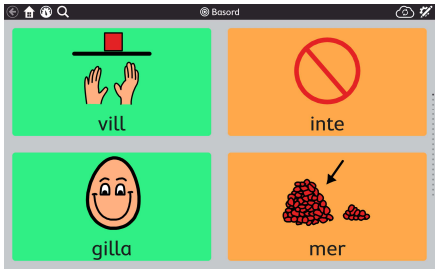
- Location-centered

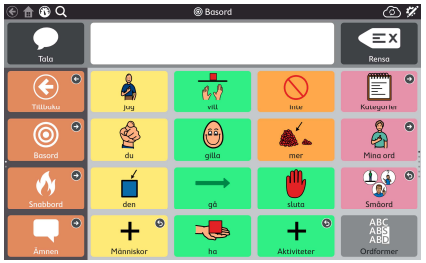


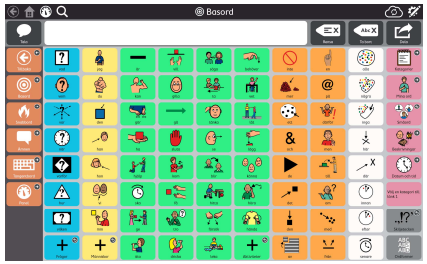




- Size-centered







Dukhovny, & Zhou, 2016; Thistle & Wilkinson, 2013

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Novel Tools: Core

English

Evidence

- Scientific research ✓
- Expert opinion ✓
- Client perspective ✓

Focus

- Frequent AND flexible words
- Systematic growth

Swedish

Evidence

- Scientific research ✓
- Expert opinion ✓
- Client perspective ✓

Focus

- Frequent AND flexible words
- Systematic growth

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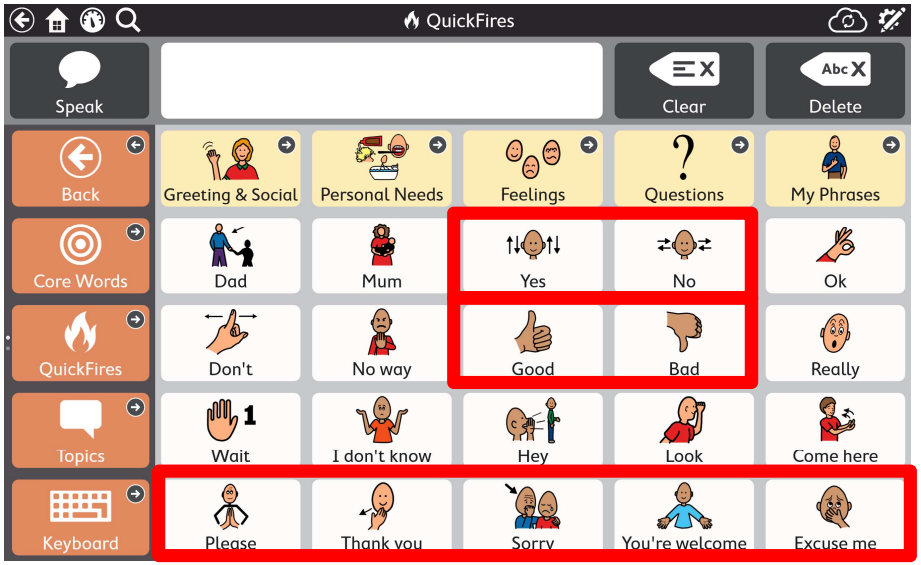
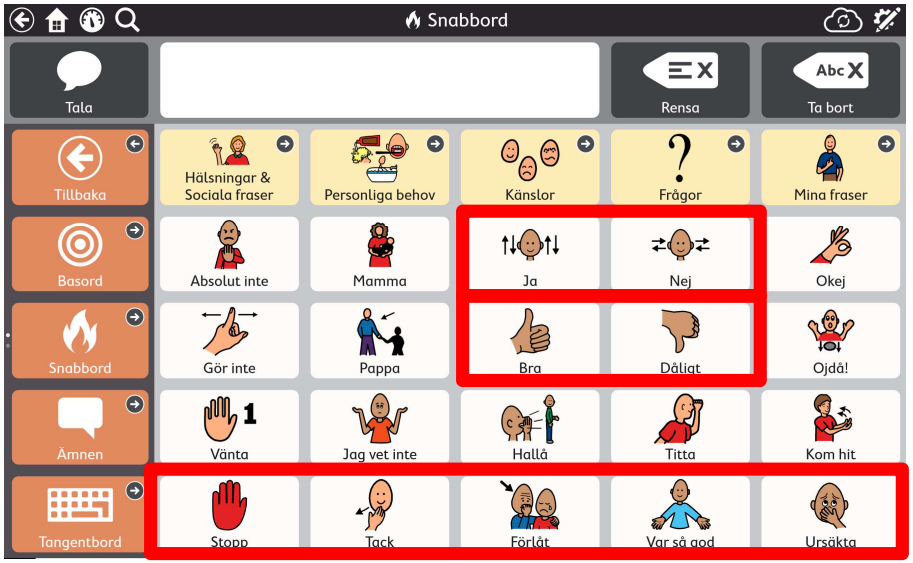
Formulaic Tools - QuickFires





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Formulaic Tools: QuickFires

English

Evidence

- Scientific research ✓
- Expert opinion ✓
- Client perspective ✓

Focus

- Immediately accessible
- Fulfilling a variety of communication functions

Swedish

Evidence

- Scientific research
- Expert opinion ✓
- Client perspective ✓

Focus

- Immediately accessible
- Fulfilling a variety of communication functions

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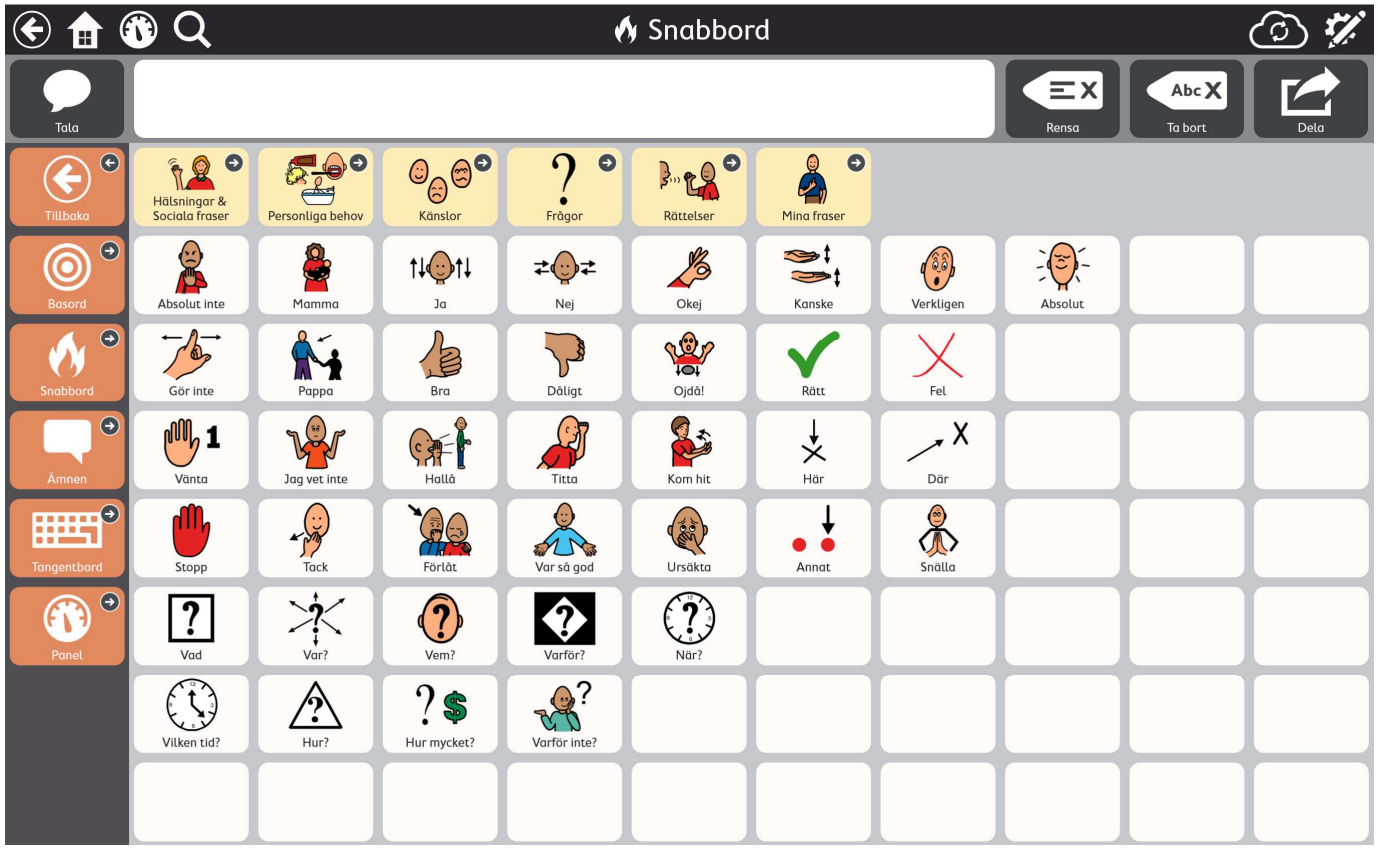
Formulaic Tools – QuickFires



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Other Localizations

Formulaic

Novel

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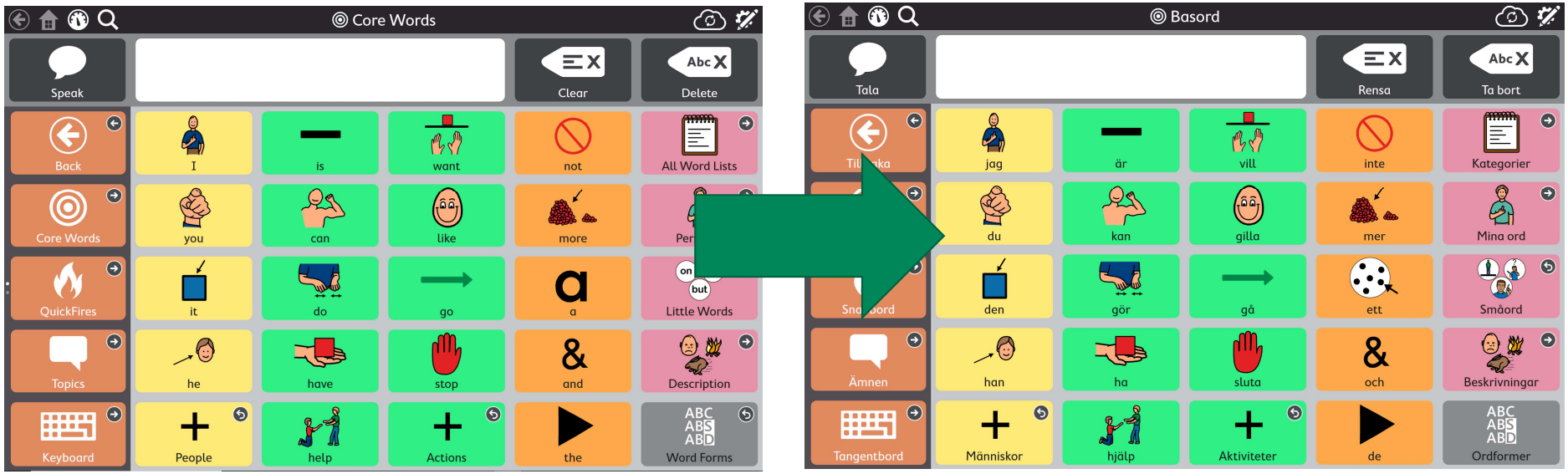
Localization with Evidentiary Integrity



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Resources

- Snap + Core First
- Development & Evidence handout
- Story of Core handout

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