

## Supplemental Material S2.

### Search Terms From Databases

Database	Population		Concept	Context
	Parent	Young Children	Communication	Culture
OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present	Parenting/ exp Parent-Child Relations/ Early Intervention, Educational/  Parenting.mp. Parent training.mp. Parent coaching.mp. Parent education.mp. Parent mediated.mp. Hanen*.mp. Home program*.mp. early intervention.mp	Child, Preschool/ Exp Infant/ Exp Child Development/  Toddler*.mp. Infant*.mp. Preschool*.mp Child development.mp. Infant development.mp.	Language/ Exp Communication Disorders/ Exp Language Disorders/ Social Skills/  Language.mp. Communicat*.mp. Social skill*.mp. Pragmatic*.mp. Communication skill*.mp.	Exp Population Groups Culture/ Cultural Diversity/ Cultural Characteristics/ Cross-Cultural Comparison/ Cultural Competency/ Ethnology/ Culturally Competent Care/ Minority Groups/  Cultur*.mp. Cross-cultur*.mp. Cultural adapt*.mp. Cultural difference*.mp. Asian cultur*.mp. Arab* cultur*.mp. African cultur*.mp. Chinese cultur*.mp. Indian cultur*.mp. Indigenous.mp. First nations.mp. Torres strait.mp. Aboriginal.mp. Collectivis*.mp.
OVID Embase 1974 to 2020 September 04	Parenting/ exp Parent-Child Relations/ Early Intervention, Educational/  Parenting.mp. Parent training.mp. Parent coaching.mp. Parent education.mp. Parent mediated.mp. Hanen*.mp. Home program*.mp.	Child, Preschool/ Exp Infant/ Exp Child Development/  Toddler*.mp. Infant*.mp. Preschool*.mp Child development.mp. Infant development.mp.	Communication/ Language/ Exp Communication Disorders/ Exp Language Disorders/ Social Skills/  Language.mp. Communicat*.mp. Social skill*.mp. Pragmatic*.mp. Communication skill*.mp.	Exp Population Groups Culture/ Cultural Diversity/ Cultural Characteristics/ Cross-Cultural Comparison/ Cultural Competency/ Ethnology/ Culturally Competent Care/ Minority Groups/  Cultur*.mp. Cross-cultur*.mp. Cultural adapt*.mp.

	early intervention.mp			Cultural difference*.mp.  Asian cultur*.mp. Arab* cultur* .mp. African cultur* . mp. Chinese cultur*. mp. Indian cultur*.mp. Indigenous.mp. First nations.mp. Torres strait.mp. Aboriginal.mp. Collectivis*.mp.
APA PsycInfo 1987 to August Week 5 2020  *note: PsycInfo auto explodes, so have to indicate when not to explode	Parenting/ Exp Parent-Child Relations/ Exp Parent Child Communication/ Early Intervention/ Parent Training/  Parenting.mp. Parent training.mp. Parent coaching.mp. Parent education.mp. Parent mediated.mp. Hanen*.mp. Home program*.mp. early intervention.mp	Exp Preschool Students/ Kindergarten Students/ Exp Early Childhood Development/  toddler*.mp. Infant*.mp. Preschool*.mp Child development.mp. Infant development.mp.	Communication/ Nonverbal Communication/ Verbal communication/ Social Communication/ Language/ Communication Disorders/ exp Language Disorders/ language therapy/  Language.mp. Communicat*.mp. Social skill*.mp. Pragmatic*.mp. Communication skill*.mp.	Exp "Racial and Ethnic Groups"/ "Racial and Ethnic Differences"/ Sociocultural factors/ Cross cultural differences/ Ethnic values/ Cross Cultural Communication/ Exp Cross Cultural Treatment/ "Culture (Anthropological)"/ Minority Groups/ Cultural sensitivity/  Cultur*.mp. Cross-cultur*.mp. Cultural adapt*.mp. Cultural difference*.mp.  Asian cultur*.mp. Arab* cultur* .mp. African cultur* . mp. Chinese cultur*. mp. Indian cultur*.mp. Indigenous.mp. First nations.mp. Torres strait.mp. Aboriginal.mp. Collectivis*.mp.
CINAHL  Instead of .mp., automatically the default is "title, abstract, subject headings"	(MH "Parenting") (MH "Parent-Child Relations"+) (MH "Parent-Infant Relations") (MH "Early Childhood Intervention") (MH "Early Intervention")	(MH "Child, Preschool") (MH "Infant+") (MH "Child Development")  "toddler*" "infant*" "preschool*"	(MH "Communication") (MH "Communicative Disorders+") (MH "Language") (MH "Language Disorders+")	MH "Ethnic Groups+") (MH "Minority Groups") (MH "Culture") (MH "cultural diversity") (MH "cultural values") (MH "ethnology")

	<p>"parent training"                  "parent coaching"                  Hanen*                  "home program*"                  "parent education"                  "early intervention"                  "parent mediated" parenting</p>	<p>"child development"                  "infant development"</p>	<p>(MH "Communication Skills Training")                  (MH "Social Skills Training")                    "Social communication"                  "communicat*"                  "language"                  "social skill*"                  "pragmatic*"                  "communication skill*"</p>	<p>(MH "Cultural Competence")                  (MH "Indigenous Peoples+")                    "cultur*"                  "cross-cultur*"                  "cultural adapt*"                  "cultural difference*"                    "Arab cultur*"                  "Asian cultur*"                  "African cultur*"                  "Chinese cultur*"                  "Indian cultur*"                  collectivis*                  "indigenous"                  "first nations"                  "torres strait"                  "aboriginal"</p>
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### Inclusion and Exclusion Criteria

a) Primary agent of intervention is parents or guardians		
Inclusion	Exclusion	Notes
Parent training	- Primary agents of intervention anyone besides parents or guardians. - Parents not mentioned in abstract	Parents and caregivers should be primary agents of the intervention. At <b>title/abstract</b> , if parents are mentioned as being involved in the intervention, include. At <b>full text</b> , we will assess whether parents are focal agents in the intervention (more than 50% of intervention delivered by parents)
Parent coaching		
Home program		
Parent education		
Parent-led early intervention		
b) Communication Intervention		
Inclusion	Exclusion	Notes
Communication	- Exclude interventions when communication/social skills are not listed as AIMS or OUTCOMES by the authors (e.g., physical, solely behavioural, nutrition, parent mental health or coping) focused - Assessments	<b>Behavioural intervention:</b> Include behaviour interventions at the <b>title/abstract</b> level. At <b>full text</b> , we will assess whether the intervention includes communication aspects as a stated aim or outcome. - For social skills intervention, there needs to be evidence at full text that 'social skills' refers to social communication.  <b>Types of studies:</b> At the level of <b>title/abstract</b> , any study discussing an intervention which has been adapted will be included. This includes qualitative studies, protocols for future studies, or other designs. At <b>full text</b> , we will assess if the study has quantitative components.
Language		
Pragmatics		
Social Skills		
Speech		
Communication needs to be stated as an aim <u>OR</u> outcome of the intervention		
c) Young child(ren)		
Inclusion	Exclusion	Notes
At least some of the children in the sample are under age 5:0	None of the sample is under the age of 5:0	- At <b>title/abstract</b> , If the abstract refers to 'child/children', 'school age children', or the other terms listed, we will include at and determine at <b>full text</b> whether the sample has any children under age 5:0.
Uses terms preschooler, toddler, kindergarten, but does not specify age.		
d) Intervention implemented in a different culture		
Inclusion	Exclusion	Notes
Authors state an intention to implement the intervention with a cultural group different than the group it was originally designed for. Examples include <ul style="list-style-type: none"> <li>• interventions implemented with immigrant families (different culture within the same country)</li> </ul>	- Adaptation is not related to cultural adaptation (e.g., age group, gender, child diagnosis, modality). - Low socioeconomic status, without mention of cultural differences.  - Exclude multiple studies with the same sample (e.g., two	- At <b>title/abstract</b> , all articles that state or give any indication that an intervention was delivered/implemented/adapted in a sample of a different culture will be included. At <b>full text</b> , articles will be assessed as to whether the cultural differences fit with the chosen definition of culture/cultural adaptation.

<ul style="list-style-type: none"> <li>• interventions implemented in a different country and the countries' values, customs, norms, practices, language, or other features (APA 2003, p. 380) are expected to be substantially different from the original group.</li> <li>• Interventions implemented with indigenous populations when the original intervention was not designed for this group.</li> </ul>	<p>studies using the identical data set and sample, but reporting different outcomes). Select <b>one study</b> that is most relevant to the research question.</p> <p>- Only language translation if no mention of cultural differences (e.g., translated from English to French in Canada)</p>	
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**e) Additional Exclusion Criteria:**

- Only include articles published after 1995 (year the EVF framework was published)
- Exclude if full text not in English and no translation available
- Exclude multiple studies using same sample (e.g., 2 studies using the identical data set and sample, but reporting different outcomes). Select **one study** that is most relevant to the research question.
- Types of evidence to exclude:
  - conference abstracts, dissertations, book chapters, commentaries/perspective articles, systematic and scoping reviews, studies with only qualitative components (as we cannot analyze using EVF criteria)