

# Family-centred early intervention: Supporting a Call to Action

## Sheila Moodie, PhD

Faculty of Health Sciences, Western University, School of CSD and the National Centre for Audiology

<u>sheila@nca.uwo.ca</u>

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## Contributors to this presentation

- Rebecca Henderson, MSc. (MSc Project)
- David Sindrey, MCISc, LSLS Cert. AVT, PhD (candidate)
- Marlene Bagatto, PhD, AuD

## • Andrew Johnson, PhD

Henderson, R., Johnson, A., & Moodie, S.T. (2014). A conceptual framework of parentto-parent support for parents with children who are deaf or hard of hearing. American Journal of Audiology, 23(4), 437-448. doi: 10.1044/2014\_AJA-14-0029

Henderson, R., Johnson, A., & Moodie, S.T. (2016). Revised conceptual framework of parent-to-parent support for parents of children who are D/deaf or Hard of Hearing: A modified Delphi study. American Journal of Audiology, 25, 110-126. doi: 10.1044/2016\_AJA-15-0059

Bagatto, M.P. & Moodie, S.T. (2016). The ICF-CY in EHDI programs. Seminars in Hearing, 37(3), 257-271. doi:10.1055/s-0036-1584406



- MRIS, Early Researcher Award to Sheila Moodie
- MCYS, Infant Hearing Program
- Researchers, parents, and advocates who continue to contribute to FCEI literature
- Professionals and parents who participated in the Henderson et al., eDelphi study

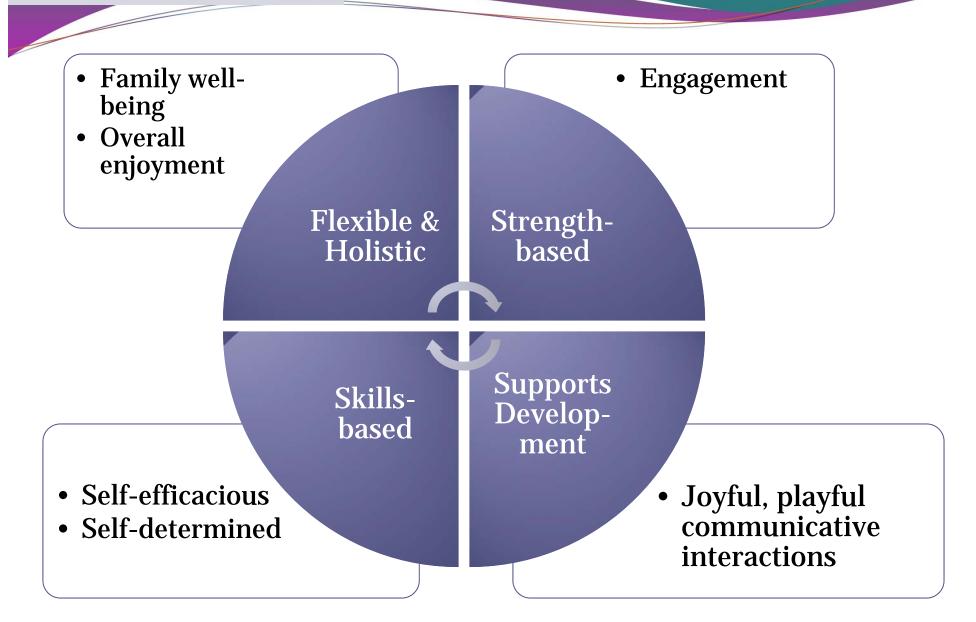


# Family-centred early intervention:

# Supporting a Call to Action



## Moeller et al., 2013

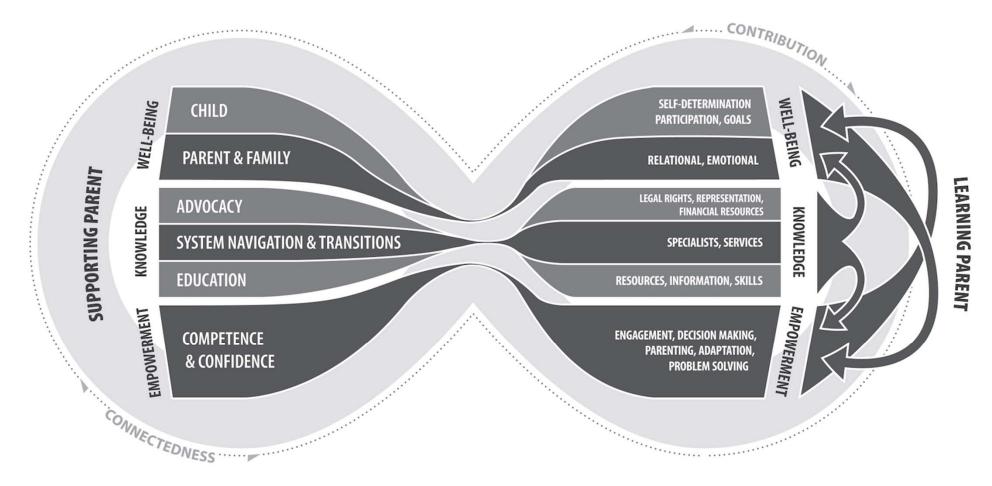


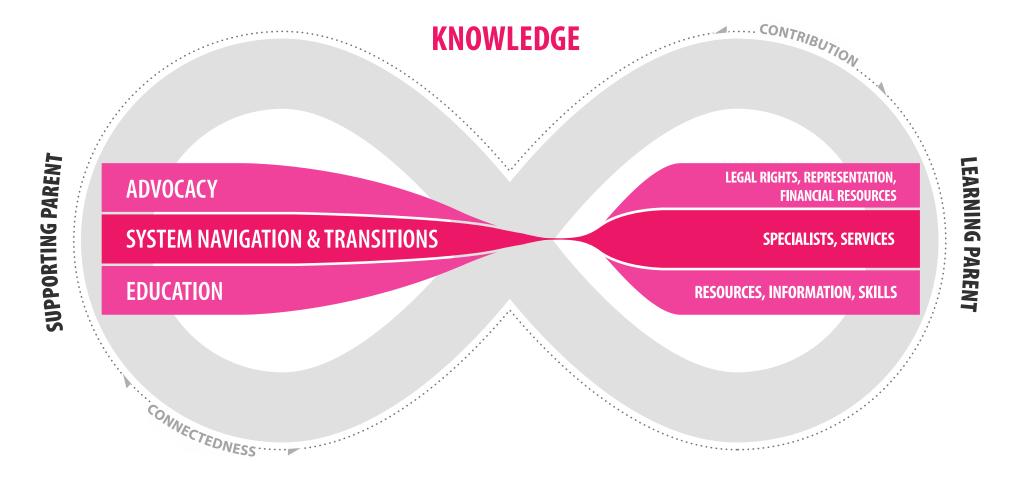
"Parents are the more important partners ..... They have more at stake and have the greatest impact upon their children, particularly the younger ones, and their informed participation can be crucial."



Mark Ross

## Parent-to-Parent Support for Parents of Children who are Deaf / Hard of Hearing: **Revised** Conceptual Framework (2016)







#### Parent Video Intervention to Increase Hearing Aid Use in Infants with Hearing Loss

Two key factors that contribute to success in spoken language for children with hearing loss include early amplification and higher than average parent participation in treatment (Moeller, 2000). Unfortunately, studies have shown 50% of parents failing to keep hearing adds on their infants for more than 6 hours a day (McCreery et al. 2015, Moeller 2016).

An intervention plan was developed, guided by input from both experienced Authologists and Speech-Language Pathologists. A framework for behaviour change, The Behaviour Change Wheel (bithis et al.,2017), helped in behave down the areas it which to target and to identify potential behaviour change techniques. With stakeholder input, 12 videos were developed for parents of dublem needy diagnosed as part of an inally learning Detection and Intervention program. The videos are designed to be delivered weekly beginning at ABR confirmation/dagnosis of permanent hearing loss.

### Your Child's Hearing

Theme Explains the pathway of hearing in easy to understand language with dear visual Explains the ABR and how test results relate the hearing loss.



isaring is a pathway that parents can understand. Audiologists have tools to assess that pathway. The ABR is a reliable test, even though the child is advep. How ABR works and how test results relate to hearing loss. Rationale

Parents may have misconceptions about hearing loss. Parents may distrust ABR diagnosis.

#### From Hear On 3

Theme Explains the advantag of early detection and amplification. Stresses family involvement and extended family support.



Early Identification is a valuable opportunity for maximizing language growth by idindergarten.

Amplification and family involvement is key to success.

Rationale

Parents may undervalue language exposure for infants. Parents may have adopted a "wait and see" approach.

#### How Technology Helps 5

Theme introduction of the SR.ogan.

Using the SPL-o-gram to demonstrate benefit from hearing adds. Degree-specific hearing loss/aid simulations



#### Key Ideas

Although children sometimes respond to sound without hearing aids, softer sounds and softer speech is missed, which has an effect on language development. Maintaining hearing aids is a simple and attainable goal.

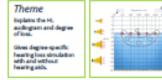
Rationale Parents may be intimidated by the technology. Parents may not recognize the need for hearing aids. Western University, Faculty of Health Sciences, Health & Rehabilitation Sciences Program

David Sindrey, MCISc LSLS Cert, AVT & Sheila Moodie PhD

Western University, National Centre for Audiology, Family Centred Farly Intervention Laboratory



#### The First Audiogram 2



Key Ideas The HL audiogram is a tool to see how a child's thresholds compare to typical hearing. Residual hearing can be useful for amplifying speech. Rationale Parents may have trouble understanding degree of loss. Parents may overestimate or underestimate impact of loss.

#### New Hearing 4



#### Key Ideas

Although children sometimes respond to sound without hearing aids, softer sounds and softer speech is missed, which has an effect on language development. Maintaining hearing aids is a simple and attainable goal. Rationale

Parents may be individated by the technology. Parents may not recognize the need for hearing aids.

## Eyes Open Ears On



#### Key Ideas

Parents vary in the amount of talk they do with child. Talkathe parents have talkathe kids with higher language abilities. Not wearing the hearing aids full time can impact language growth.

Rationale

Parents may not recognize the need for increased language input. Parents may not recognize the need for hearing aids.



# Hear On

#### Parent Video Intervention to Increase Hearing Aid Use in Infants with Hearing Loss

## Keep On Keeping On #1

Theme importance of setting a goal to keep hearing alds on and working all waiting hours.

Degree-specific hearing



loss/aid simulations.

#### Keeping the hearing aids on can be difficult at times but problem solving with professionals & other parents can work. Keep hearing aids on longer up to sleep time and on

Rationale Parents may not realize hearing aids are off childs ears for so long around sleep times. Panents need realistic first goals.

## Keep On Keeping On #2

#### Theme

Practical tips on how to keep hearing alds on and working with emphasis on reaction and outings for bables. birth to age 1.



#### Key Ideas

Some situations can be more challenging. There are strategies other parents have found useful for overcoming these obstacles. Other people who care for the child during the day are responsible for keeping hearing aids on.

#### Rationale

Parents may not hold alternate caregivers responsible for hearing aid use. Parents need strategies weather & outings.

## Keep On Keeping On #3

#### Theme

Practical titls on how to keep hearing alds on and working with emphasis on weather and common activities for babies birth to age 1.



#### Key Ideas

Some activities can be more challenging. There are strategies other parents have found useful for overcoming

these obstacles. The child's state theses thed, teething, etc.) can be a great obstacle. Strategies and reassurance given.

#### Rationale

Parents may be helped by knowing that other parents face. the same challenges, Successful strategies may be unknown.

## The Importance of an Early Start





**A B** 



## Key Ideas

When information from heating aid datalogging is shared by the audiologist it can be a useful tool for parents, measuring progress towards "all waiting hours" of device(s) use for the child. Degree-specific hearing loss/atiled simulation review.

Rationale

Parents may not be aware of how much time the child is. actually wearing amplification. Datalogging is a tool/hot upp.

## The Magic Ingredient is You

#### Theme

Information about 2 key factors predicting success (average or better language ability by kindergatterit early consistent amount cation **B above average parent** participation.



#### Key Ideas

Results of a study by Moeller et al. (2000) are shared showing that parients VERY involved in their child's treatment. helped them to achieve normal language ability by age 5. Hours between treatment sessions should be language rich.

#### Rationale

Parents may feel specialist interaction is the answer to their childs language needs & not then use strategies thermalyes.

#### Rationale

Key Ideas

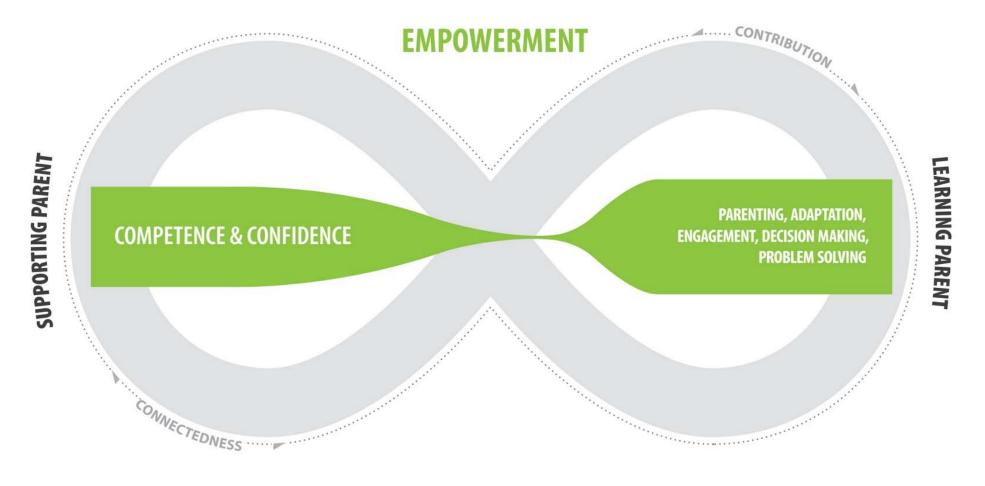
Parents may not realize importance of language in infancy. Parents may not realize impact of not hearing in first year.

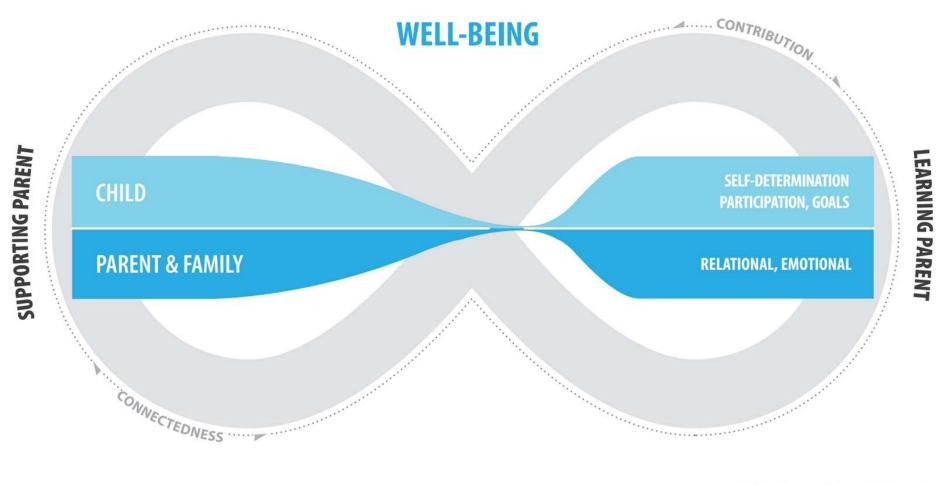
Rables begin learning from listening before birth. There are

important milestones related to language all through the

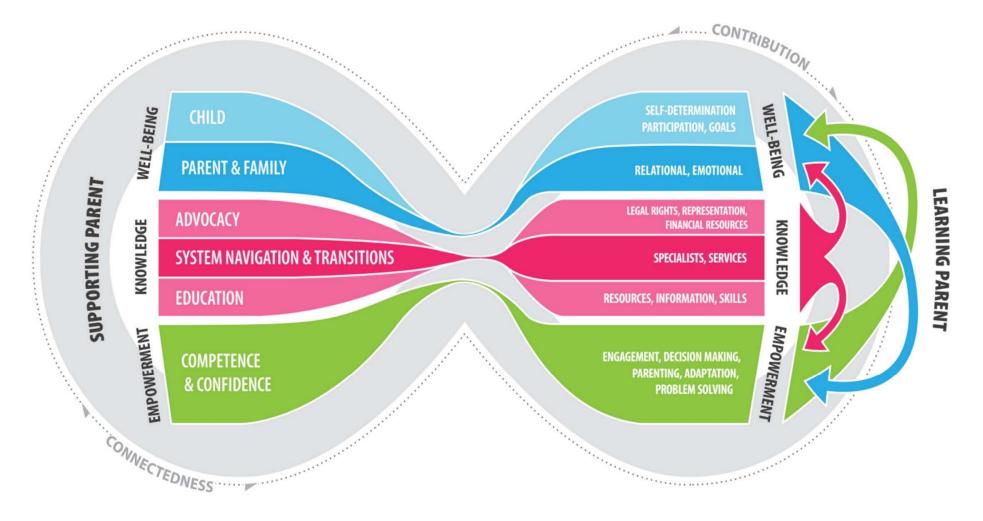
first year built upon listening to the language of the home.

Rables with hearing loss need hearing aids to access input.

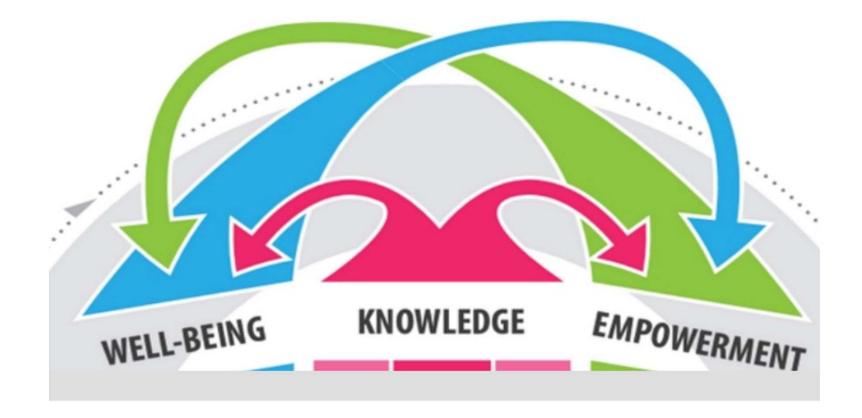


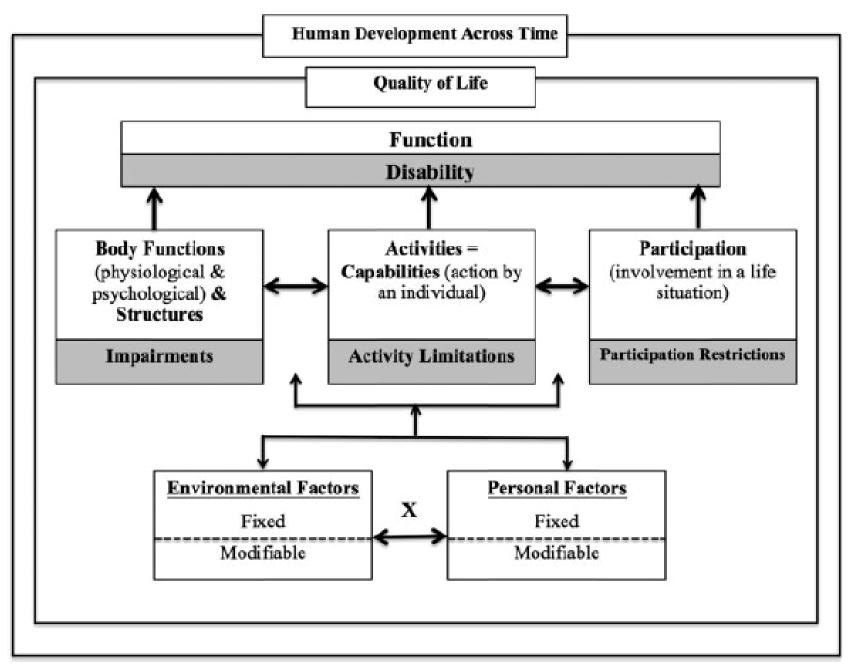


"This exercise has me thinking so much about moments in my life of being supported and supporting other families.... So at the end of the day, there is a component of parent-to-parent support that I believe cannot be written about, researched, labeled, frameworked, or defined. It just is. Maybe it's the listening part, the laughter, the tears, the humor and the wine that just got me through to the next thing, the next day, etc. in this thing we are calling a 'framework' it just is."









Bagatto & Moodie, 2016

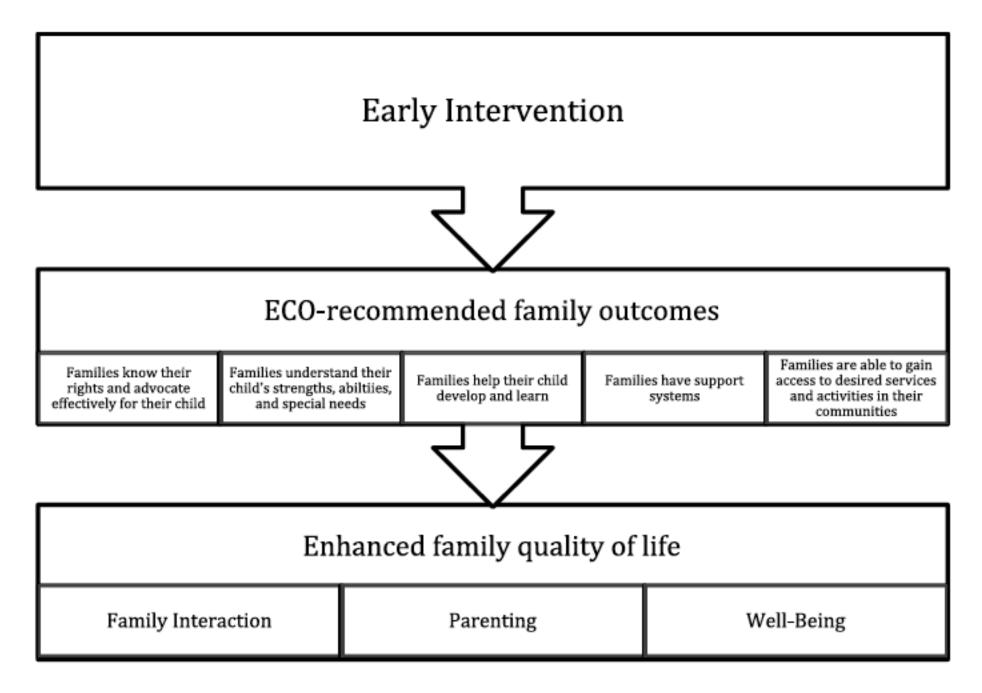
# Everyday life situations of children ages birth to 6 months







Adolfsson, Bjorck-Akesson, & Lim, 2013



Bagatto & Moodie, 2016; Wainer, Hepburn, & McMahon Griffith, 2017



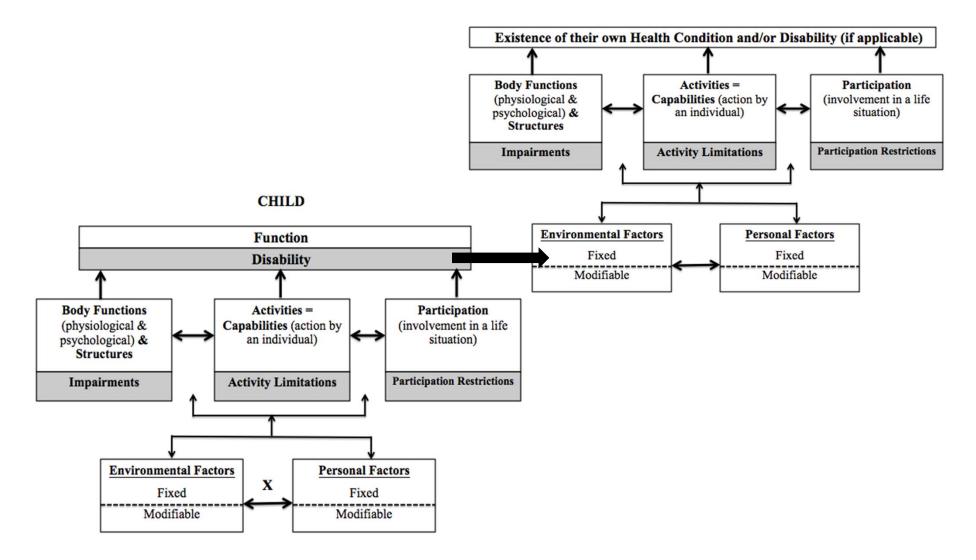
Best Practices in Family-Centered Early Intervention for Children Who Are Deaf or Hard of Hearing: An International Consensus Statement

(Moeller et al., 2013, p. 435)

# Principle 4: Family Social & Emotional Support Service providers

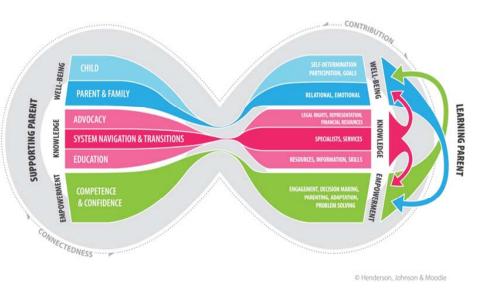
Families are connected to support systems so they can accrue the necessary knowledge and experiences that can enable them to function effectively on behalf of their D/HH children.

#### PARENT(S) FUNCTIONING and THIRD PARTY DISABILITY



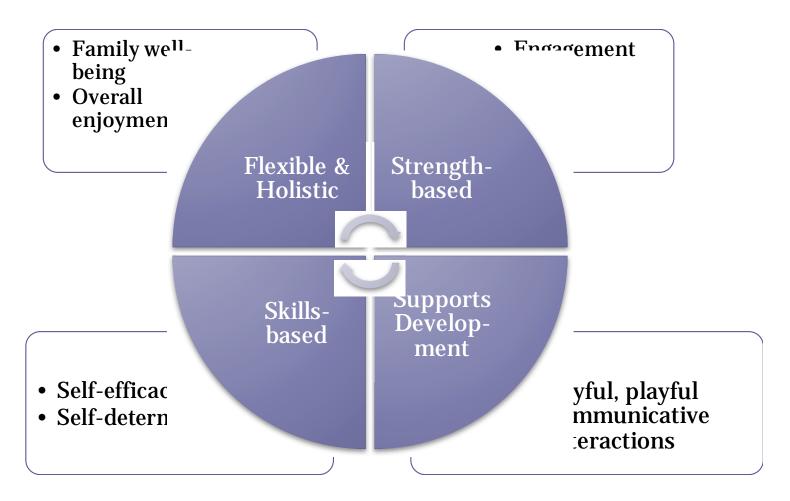
Bagatto & Moodie, 2016. Adapted from Hickson & Scarinci, 2007

# Promoting a common understanding



- can help decision-makers understand context and content better, and facilitate interventions
- 20/21 respondents agreed with significant certainty that the conceptual framework has the ability to serve as a model for parent-to-parent support for parents of children who are D/HH.

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## Thank you

For further information or discussion – or if you are a potential MSc or PhD student:



Sheila Moodie sheila@nca.uwo.ca