

BEYOND TELEREHABILITATION: REACHING CHILDREN WITH DISABILITIES DURING COVID-19 PANDEMIC IN A COMMUNITY-BASED EARLY INTERVENTION PROGRAM IN RURAL SOUTH INDIA

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Background

COVID-19 imposed challenges to the provision of face-to-face developmental services and continuity of care, compounding existing barriers faced in lower resource settings.

Objectives

We describe a community-based early intervention program in rural Tamil Nadu, Amar Seva Sangam's Enabling Inclusion® (EI) Program, that harnessed digital technology to ensure continuity of therapeutic services for children with developmental disabilities while supporting families.

Faced with the challenge of COVID-19 lockdowns, the EI Program pivoted from community-based to family-centered virtual services.

Methods

A multipronged approach was developed to optimize use of technology and community resources, including:

- (1) 'Stay-connected'- cell phone calls and messaging regarding pandemic precautions and resources, child's health and therapy needs, family wellbeing:
- From Day 1, we connected with families through calls to categorize them into families having smartphone, no phone and normal phone.
- > 55 % of families had only normal phone
- ➤ 39 % of families had smart phone; of these 27 % of families have regular data and 12% of families were not able to afford data during extended lockdown.
- ➤ 6 % of families had no phone.
- (2) Telerehabilitation sessions- therapy demo videos and discussion exchanges between parents and multidisciplinary rehab team:
- Instructions on mobile phone positioning were provided to families for best visualization of therapy sessions.
- Descriptive messages of therapy/training sent to parents.
- Therapy demo videos taken by therapists and shared with the parents; parents recorded their children's therapy, sessions and shared with therapists with mutual discussion for corrections/clarifications.
- About 10 % of the service users shifted to live in their convenient places during COVID. Using tele-rehab, we were able to connect to continue services.

(3) Telemedicine visits with medical specialists

- Regular medical follow-up were all closed due to Covid-19.
- ➤ El program staff connected families with doctors in quarantine through telemedicine to utilize their services with children in need of medical follow-up.

(4) WhatsApp parent support groups-sharing lived experiences and peer-guidance

- WhatsApp parent groups were formed, therapeutic postings were shared weekly, followed by parent discussions.
- Parent support was provided for their health care and care taking needs during pandemic.
- (5) Family-centered outreach for engagement of siblings and extended family nurturing of the child in their household.





Results

During the 10 months of COVID-19 lockdowns during two waves of the pandemic in India:

- ▶ 94 % of families (2359 children and 5001 caregivers) in the program received therapeutic guidance without any gap in services
- ➤ 25% of families being reached through videoconferencing on their smartphone
- ➤ 6% of families had no access to phones and were not reachable
- ➤ In total, 66,549 tele-rehab sessions and 297 medical specialists' consultations occurred and 255 participated actively in WhatsApp parent support groups.

Conclusion

- Families of children with disabilities benefitted from technology-supported family-centered services during the pandemic.
- Low-tech connectivity and digital platforms were successfully used in a rural low-income setting to support child developmental needs, family well-being, and peer connections.
- The Enabling Inclusion® program continued its service provision for children and families without any break, and almost all the planned activities.





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