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Introduction

Early Hearing Detection and Intervention (EHDI) and the Medical Home represent two pillars of my time as a Leadership Education in Neurodevelopmental and Related Disabilities (LEND) trainee at the UConn Center for Excellence in Developmental Disabilities (UCEDD).

Combining these topics through an interdisciplinary lens, as presented here, provides the opportunity to observe the complementary structures of both approaches.

- Current examples of the connection between the Medical Home and EHDI are avenues to address loss to follow-up
- A novel approach to connect EHDI and the Medical Home is also presented in this poster
- This approach includes data collection and aggregation within the Medical Home by the primary care provider (PCP)
- This may support data collection and serve as a tool for creating supports around follow up
- Early access to intervention and follow up services supports families and children as they grow into self-advocates
- All content and figures are derived from Woodruff & Lutz, 2020 unless otherwise noted

What is the Medical Home?

The pediatric Medical Home is a model to provide quality health care to a child (Figure 1). Each discipline and professional the sees the family provides meaningful insight for the team. Woodruff and Lutz (2020) provide an example:

“[A]n audiologist working on proper left and right hearing aid insertion, according to color markers on the devices with a child who is D/deaf or hard of hearing and legally blind, can benefit from the knowledge that a pediatric ophthalmologist, another member of the team, has about that child’s access to color information.”

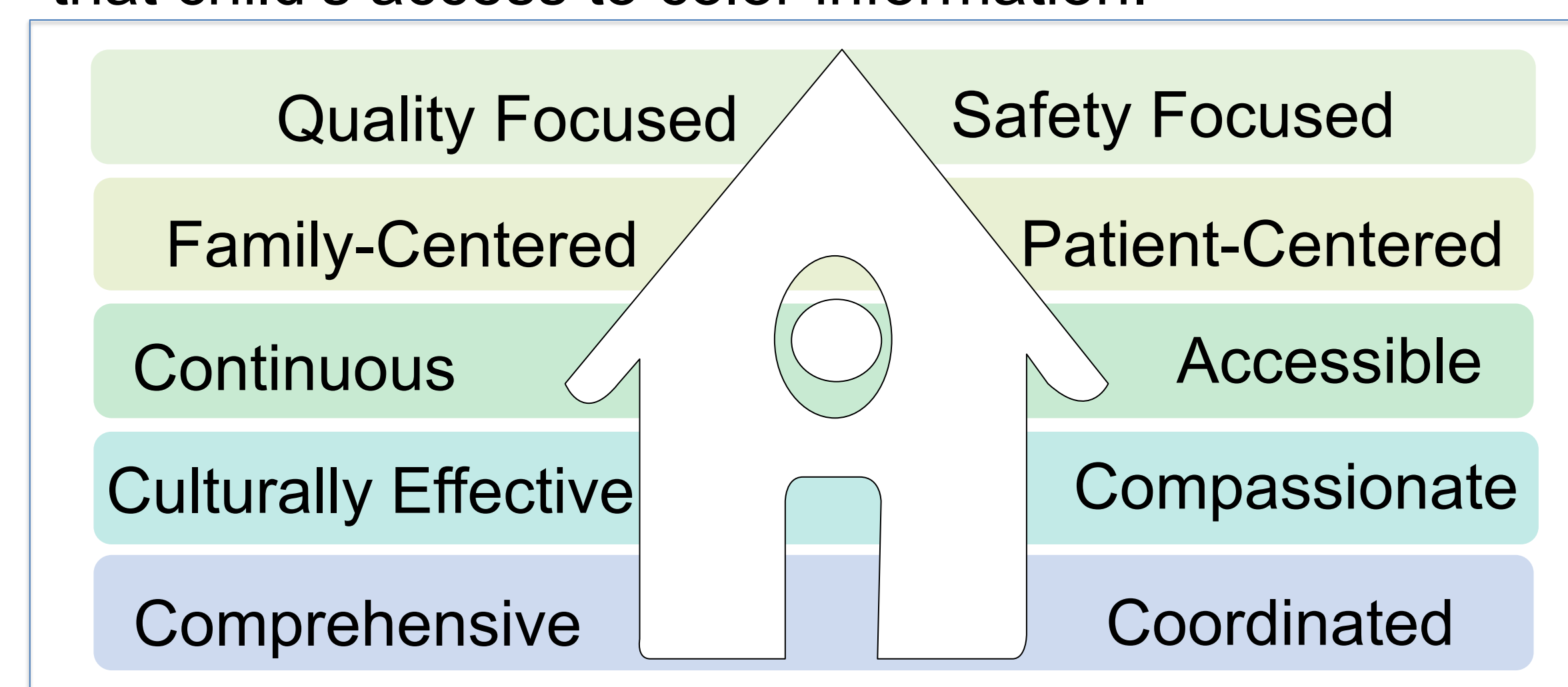


Figure 1. Components of the Medical Home

What is Early Hearing Detection and Intervention?

- EHDI is a public health program that screens, identifies, and intervenes on behalf of children who are D/deaf and hard of hearing and their families. Recommendations for timely service delivery are outlined in Figure 2.
- For programs that are meeting these benchmarks, earlier screening, identification, and intervention timelines are encouraged.
- Mandated at the federal level with the Early Hearing Detection and Intervention Act of 2017, 57 states and territories report data on these benchmarks to the CDC (CDC 2020).

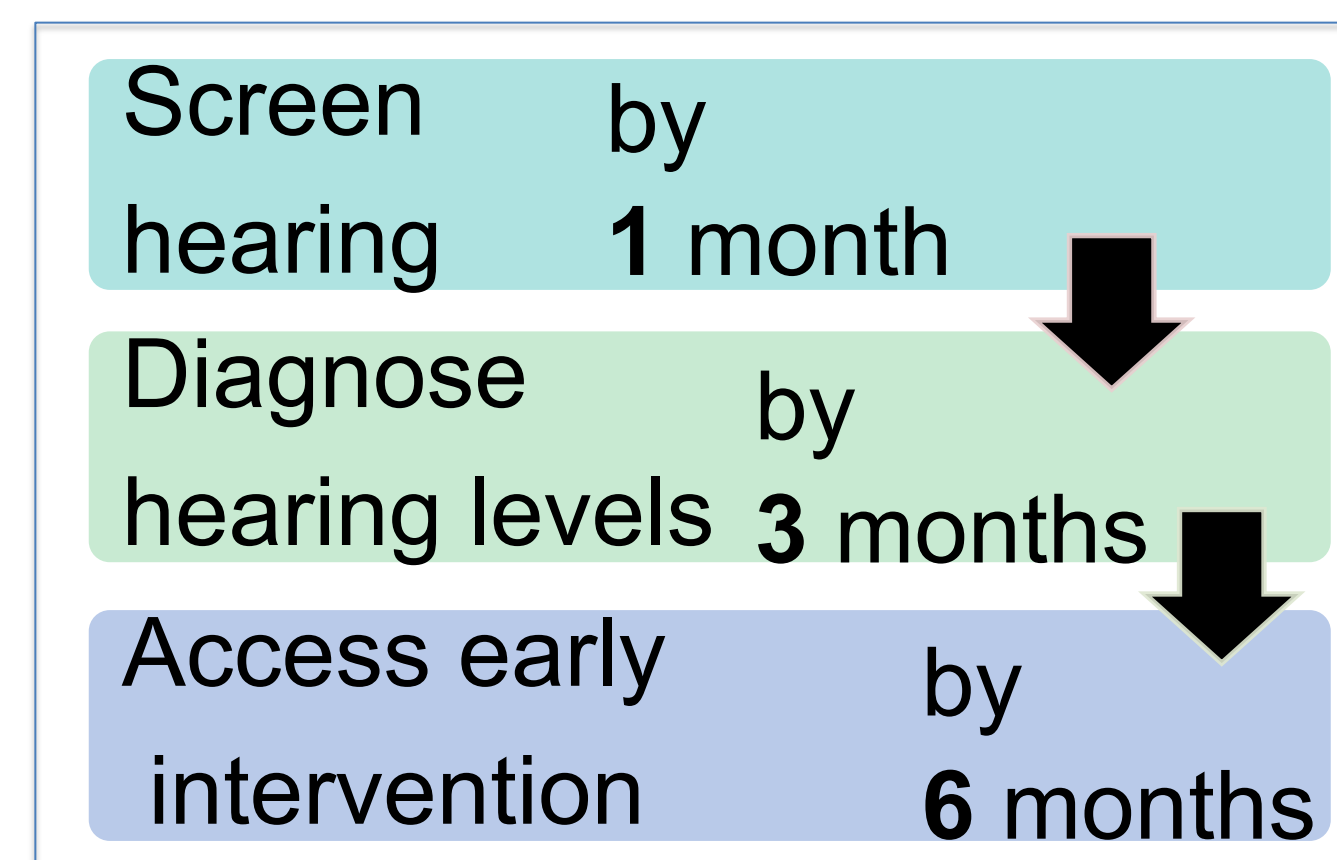


Figure 2. Recommended Service Schedule

Acknowledgements

The development of the article this poster is based on was supported, in part, by funding from the U.S. Department of Health and Human Services, Health Resources & Services Administration (Award #T73MC30115), and the U.S. Department of Health and Human Services, Administration for Community Living, Administration on Intellectual and Developmental Disabilities (AIDD) (Award #90DDUC0071) awarded to the University of Connecticut Center for Excellence in Developmental Disabilities Education, Research, and Service. The opinions expressed, however, are those of the authors and do not necessarily reflect the official position of the Departments.

Interactions between Early Hearing Detection and Intervention and the Medical Home

With the centralized and consolidated structure of the Medical Home, it presents an opportunity to bolster the goals of EHDI. Focusing on the connection between these systems, the Medical Home can be supported within EHDI (Figure 3 and 4) and serve as a preemptive intervention to address the needs of children and families (Figure 5).

EHDI and the Medical Home exist to support children and families access supports and thrive.

Shared members of EHDI and the Medical Home

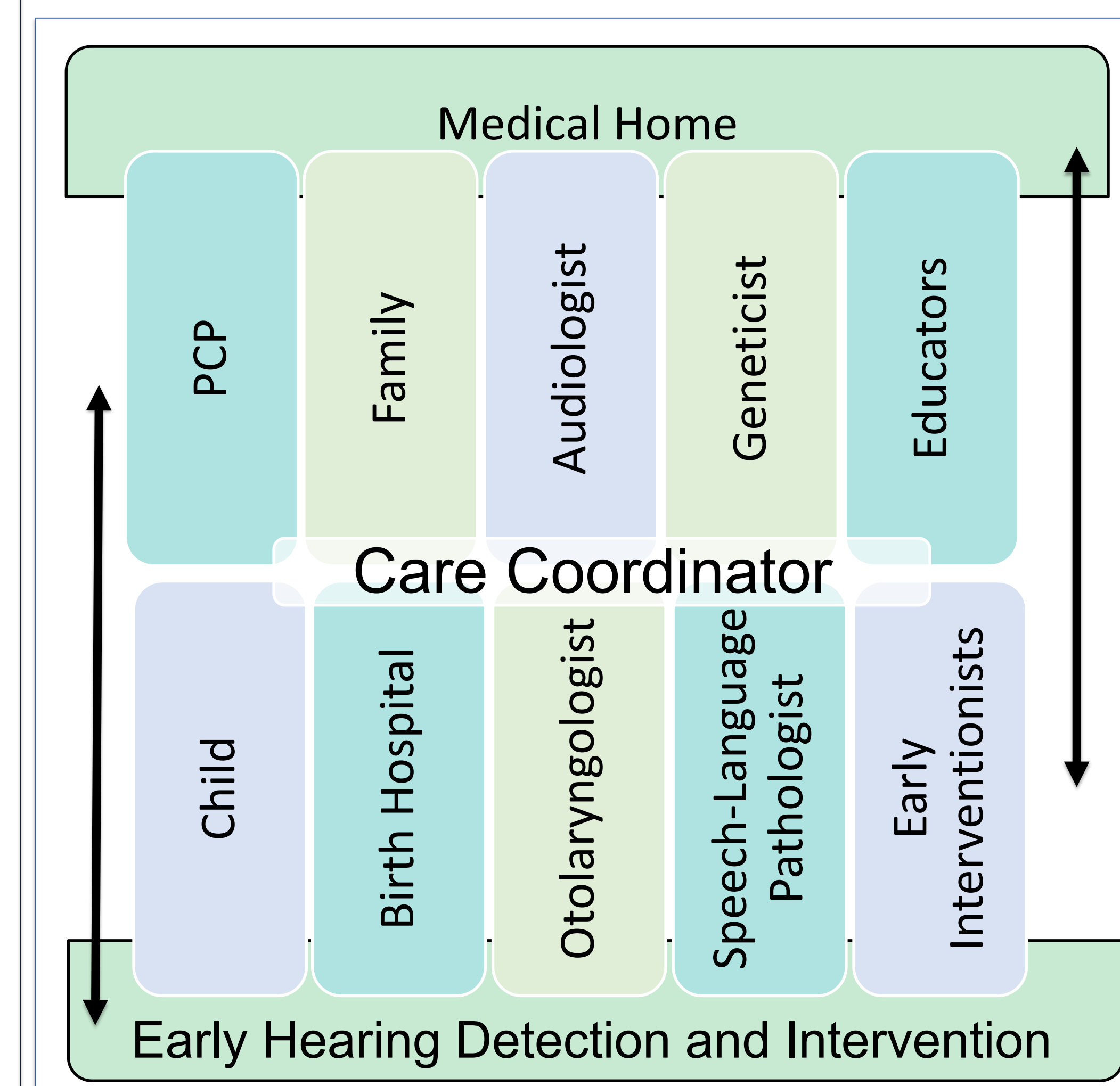


Figure 3. Shared Service Providers

The Early Intervention Team is BROAD and reflect the goals and needs of the family.

Examples of Connection Between EHDI and the Medical Home: Family Inclusion

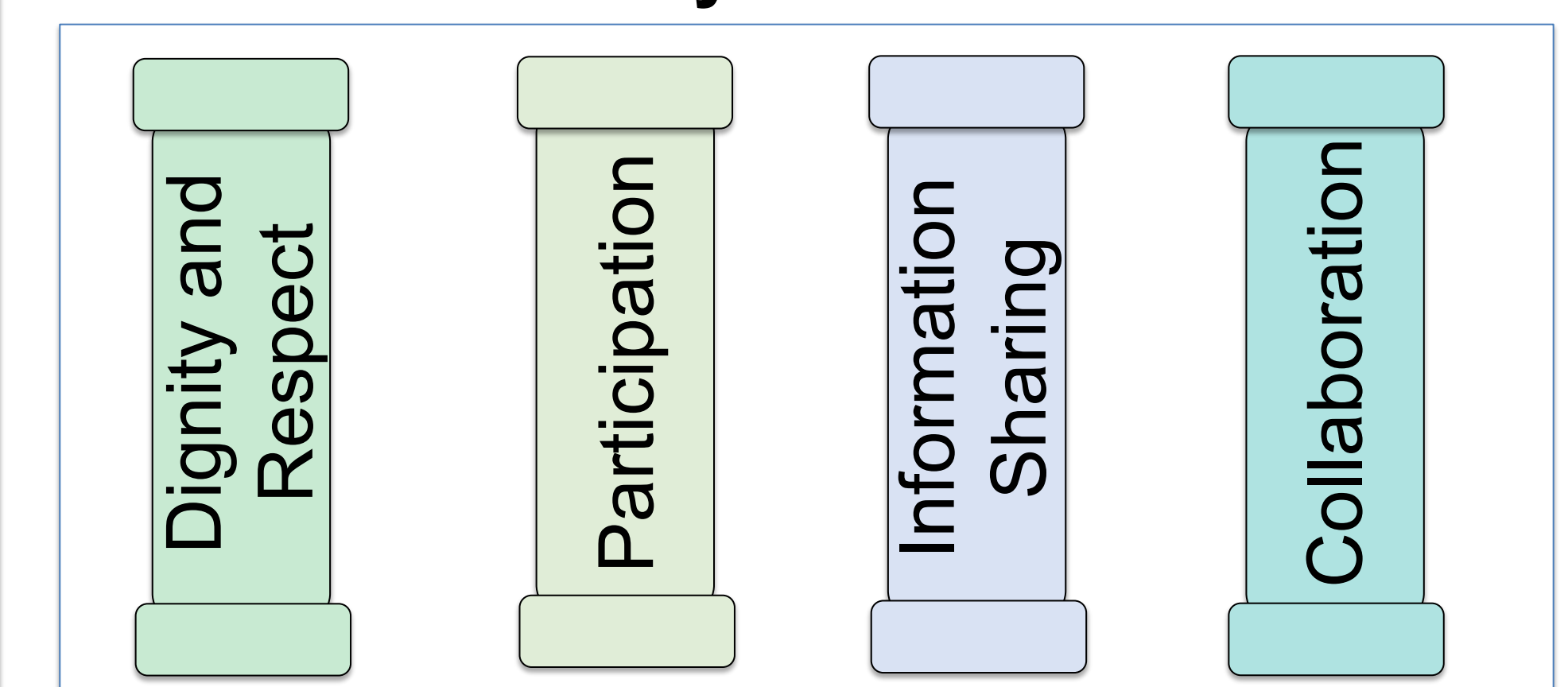


Figure 4. Pillars of Family Centered Care

Example:
Connecticut - Family Plan of Care Document

PROVIDER EDUCATION

Example:
Kentucky – Just in time education

American Academy of Pediatrics – Chapter Champions

Centralization of Data Collection with the PCP for the Future

- Reinforces the status of the Medical Home as a repository for all child-relevant documentation and a hub for all providers to connect using
- Encourages the inclusion of questions in intake interviews that are consistent with CDC and AAP recommendations for development and support services
- Ensures redundancy of reporting by collecting data at the Medical Home from all providers. Thus, strengthening the potential to ID children who do enroll in services.

Figure 5. Benefits of the proposed data collection centralization

References

- Centers for Disease Control and Prevention (2020). 2018 Summary of early Intervention (EI) Among Infants Identified with Permanent Hearing loss. Retrieved from <https://www.cdc.gov/ncbddd/hearingloss/2018-data/09-early-Intervention.html>
- Woodruff, T.A., & Lutz, T. (2020). Early Hearing Detection and Intervention (EHDI) within the Medical Home: Implications for Policy and Practice. *Infants & Young Children, 33*(3), 219-234. doi:10.1097/IYC000000000000170