

A Cross Cultural Approach: The Path to addressing health disparities and accessing and benefiting from early intervention services

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COMER CHILDREN'S HOSPITAL





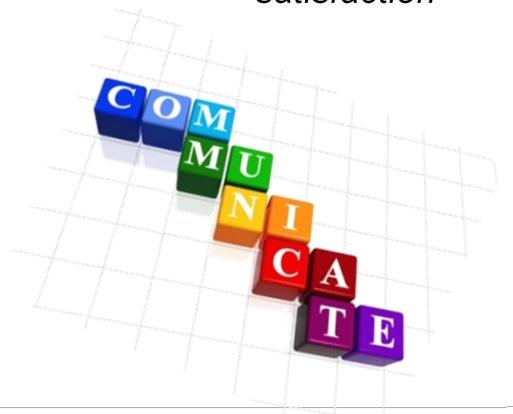


Learning Objectives

Participants will be able to:

- Identify 3 key components of a cross-cultural approach
- Identify 3 ways to strengthen and enhance family function
- X Identify the critical components in Project ASPIRE

Let's think of an encounter where cultural differences had an impact on patient's access to care and satisfaction





authore is the way puthink, act, and interact.

Culture & Ethnic Groups:

- Integrated pattern of learned beliefs and behaviors
- Explains how we view and value the world
- Influenced by socioeconomic status, religion, sexual orientation, occupation, etc (Nunez, 2006; Betancourt, 2003)



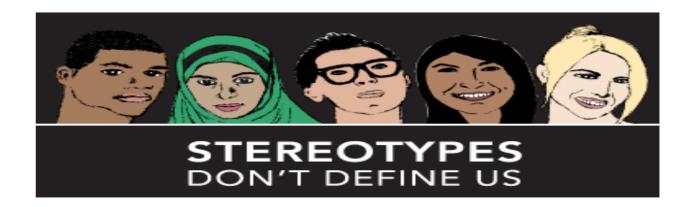
Cultural Competence

- × Understanding social and cultural influences in a patient's health beliefs and behaviors.
- Ability of health care providers to interact with patients who are different than themselves (Nunez, 2006, Dy, 2011)

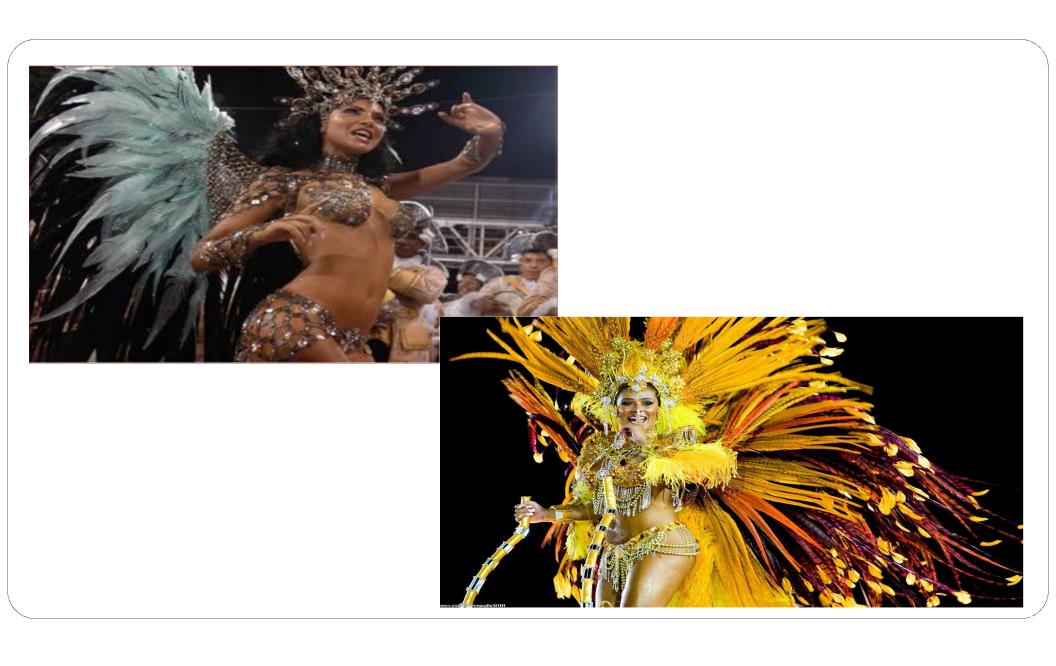
Intercultural Training: prepares individuals to deal effectively with cultural differences (Fischer, 2011)

Multicultural Health Care

- × cultural sensitive and responsive
- × categorical approach, that might risk falling into stereotyping (Masi, 1988).





















Cross- Cultural: A TWO WAY STREET

Patient's and family's Culture

The Local Culture

Cross-Cultural Approach

- × Provider's culture + patient's culture = two way communication
- × Patients understand the system in place to provide care for them
- × Patient Centered Approach... Decreases the risk of stereotyping

Understanding the local culture is vital for them to access services in a timely manner

Cultural Humility (Tervalon)

- × Understanding the cultures and world views of others
- ➤ Celebrate cultural differences to provide effective patient care (ABPACME, 2012)
- × Teach how to navigate patient's beliefs system and their understanding of health and illness (Francis, 1969; Korsch, 1984, Javier, 2013)



Cross-Cultural Training

× Focused on promoting intercultural learning through the acquisition of behavioral, cognitive and affective competences required for effective interactions across diverse culture (Landis & Brislin, 1996; Morris & Robie, 2001; Littrell & Salas, 2005).

× It creates Adaptable PEOPLE

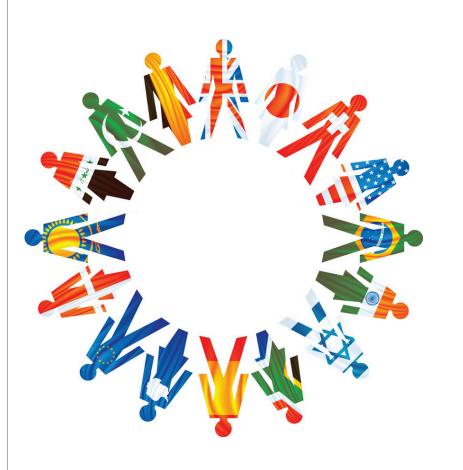


Some FACTS...

- ➤ The immigrant population ~40 million
 - × most from Latin America and Asia. (2010 census)



- × By 2023 more than half of US children will be Hispanic (Martin , et al. 2011, Frintner, et al. 2012).
 - × In 2009 24% of births were Hispanic
- ➤ Two thirds of Hispanic children are born outside of the U.S. (Fray & Passel, 2009; Frintner, et al. 2012).
- × In the U.S. 25% of Hispanic children live in households that speak little or no English (Hernandez, 2007; Frintner, et al. 2012)



Culture is part of ALL of us and it's influenced by **socioeconomic status**

Addressing Language Disparities in the Pediatric Population and Enhancing Family Function









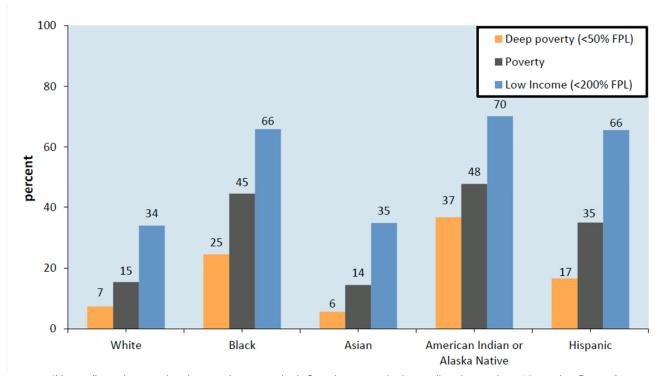


Children Born Into Poverty

- Income inequality has never been greater in this country
- Children are profoundly impacted
- 16.1 million children in the US live in poverty
- An additional 16.3 million children are living just above the federal poverty live
- Racial and ethnic minorities are disproportionately affected



Infants/toddlers living in deep poverty, poverty, and with low income (2012) Significant disparities by race/ethnicity

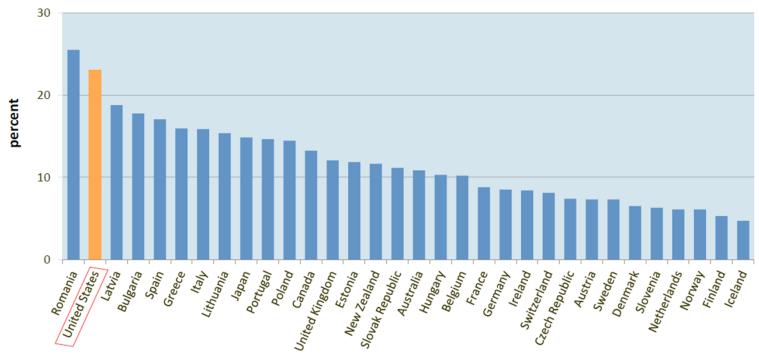


*Year reflects the year that the question was asked. Question was asked regarding the previous 12 months. Data refer to children residing with and related to the householder.

The Youngest Americans / A report by The Robert R. McCormick Foundation and Child Trends



Children (birth – age 17) living in relative poverty* in 32 developed countries (2009**) U.S. ranks second to last



*Relative poverty is defined as living in a household where disposable income, adjusted for family size and composition, is less than half (50%) of the national median income.. **Data for the United States are from 2007 and data for New Zealand and Japan are from 2011



It's More Than Just Income

What does it really mean for a child?

Poverty impacts every aspect of a child's life.

Limited access to:

- health care
- quality education
- healthy food
- stable and safe housing

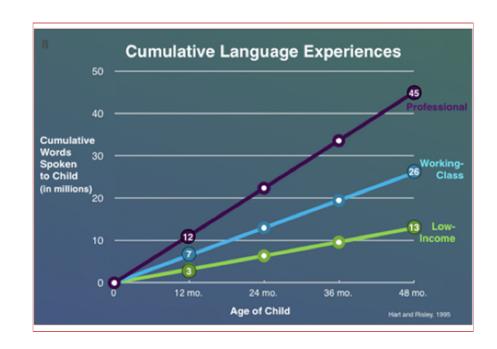


The Achievement Gap

- More than 80% of black and Latino public school students can't read or do math on grade level in the 4th, 8th, and 12th grades
- 52% of low-SES children are not school ready by age 5
- Disparities can be seen by 9 months between low and high SES children
- Root Cause: A Child's Early Language Environment









The Thirty Million Word Gap

- Hart & Risley (1995):
- High-SES children: 45 million words by age 3
- Low-SES children: 13 million words by age 3



DISPARITIES IN EARLY LANGUAGE ENVIRONMENTS

- Both quantitative and qualitative
- Inequities in parents' language input include:
 - significantly less talk and gesture
 - shorter and less complex phrases
 - less use of open-ended questions
 - greater use of directives
 - decreased maternal responsiveness
 - decreased joint attention



DISPARITIES IN EARLY LANGUAGE ENVIRONMENTS

- Decreased parental language input leads to significant disparities in children's development of:
 - vocabulary
 - grammar
 - narrative skills
 - early literacy skills
 - cognitive processing/processing speed
- Disparities in language skills are seen from infancy through high school, and the gap widens with age

tmw

The impact of early language environments is pervasive

But at the heart of early language environments lies a very tangible and ultimately modifiable variable: parent talk

Parents have the power to profoundly impact their children's development and ultimate trajectories through their words

ASPIRE + TMW Home Visiting







- 10-12 week multimedia intervention
- Theoretically-driven, culturally sensitive
- Parent talk: Lens into whole parentchild relationship
- Standardized, computer-based curriculum designed for future scalability



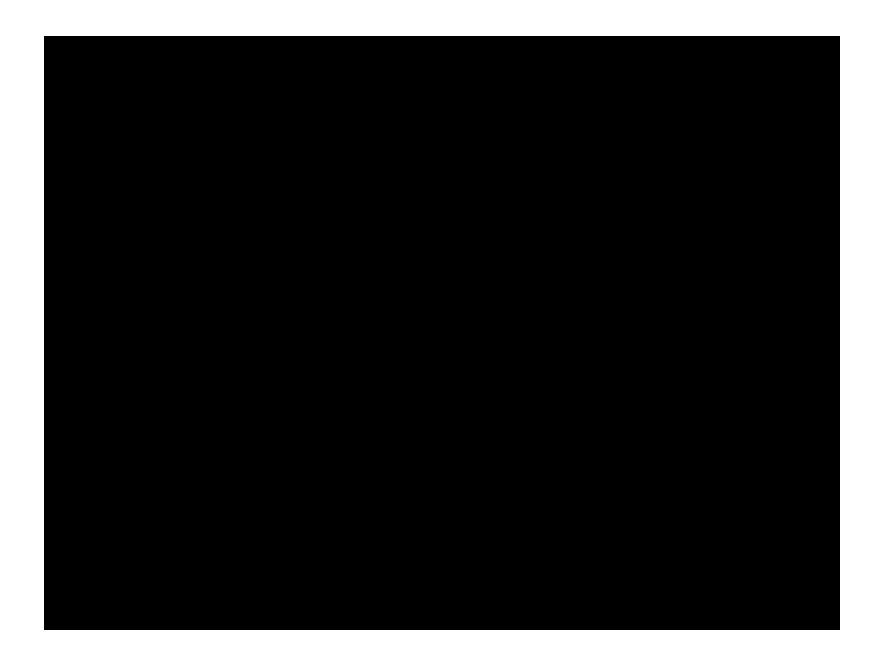
Project ASPIRE: Addressing the Disparities

- 10 week home visit program
- Empowering and guiding parents to provide an enriched language environment
- Children under age 4
- In addition to Early Intervention
- Wearing a hearing device
- Lower SES families
- Funded by Dept. of Ed. grant
- 32 families in the Chicagoland Area
- Currently analyzing the data

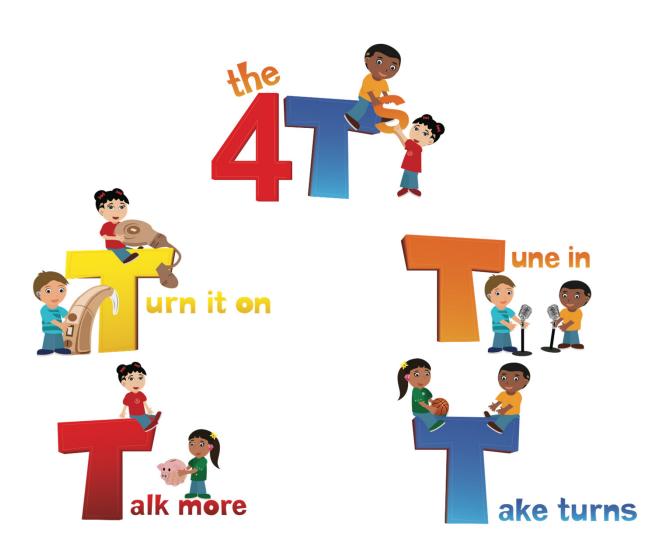


Research Behavioral Intervention

- Theoretically-driven, multimedia program translating cross-disciplinary science into easy-to-understand and easy-to-apply concepts
- Education component combines animation and real parent video to make strategies easily accessible to parents











- Parent is first and most important teacher
- Limit background noise
- Learning to Listen
- Tune In joint attention
- Child-directed speech
- Turn taking
- Wait time & Expectant look

- Talk More description and using detail
- Labeling take the "IT" out
- Self talk & parallel talk
- Choices & open ended questions
- Book sharing
- Decreasing TV and technology time

Project ASPIRE



Quantitative Linguistic Feedback







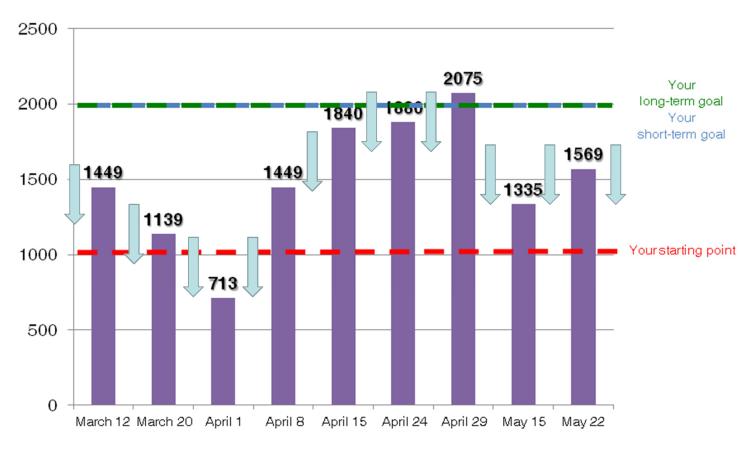
Language ENvironment Analysis System: LENA

- Innovative, automated, technology grants an unprecedented window into a child's natural language environment
- Records 10-16 hours
- Measures
 - Adult Words
 - Conversational Turns
 - Child Vocalizations
 - TV time



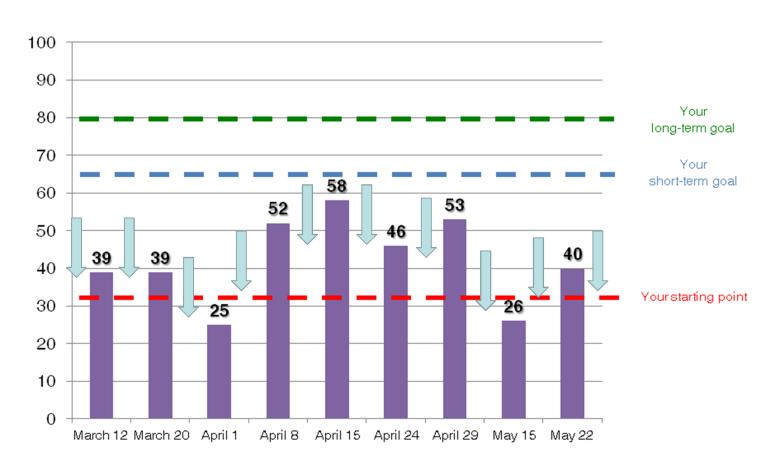


Average words per hour



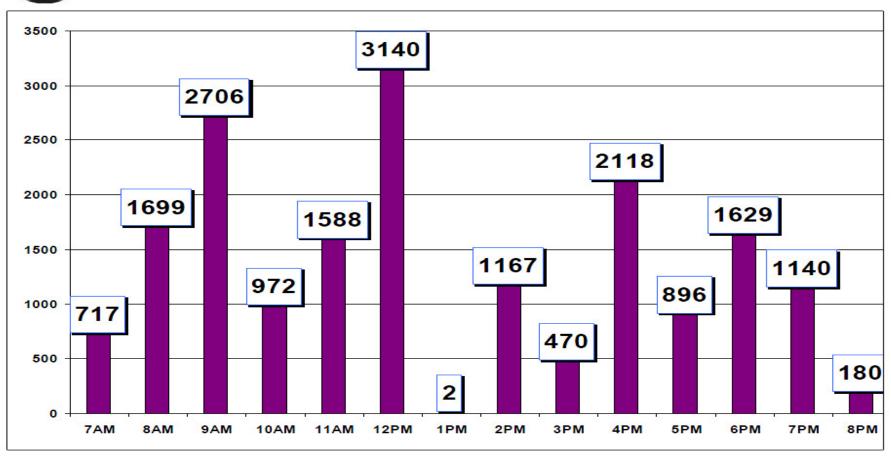


Average turns per hour





Words Each Hour - Sep. 10





The Thirty Million Words Initiative at the University of Chicago

 Vision: impact early language environments of children living in poverty to improve school readiness and school outcomes







Knowledge of child development

Your words build your child's brain!





Parent beliefs

Babies aren't born smart; they're made smart. They're made smart by their parents talking with them.



Reaching one parent at a time makes a difference in one child's life at a time

But to narrow the gap, the approach must be broadened to the population level

Longitudinal RCT



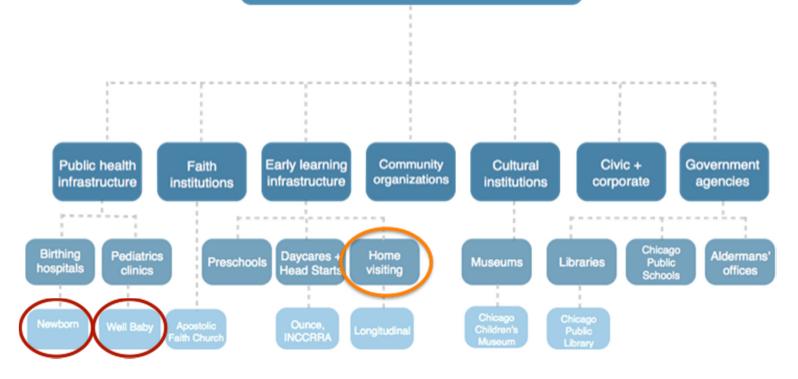
- PNC Grow-up Great Funding
- 5-year RCT to assess impact on Kindergarten School Readiness
 - 200 families
 - Assess children age 15mo to kindergarten
 - TMW versus Nutrition Intervention
 - Overlay onto Early
 Head Start
 infrastructure

Outcomes to be assessed:

Parent:	Understanding of child language development and parents' role in development
	Language input
	Responsiveness and engagement
Child:	Oral language development
	Social-emotional development
	School readiness (especially linguistic development, self0regulation, early literacy skills)



Community Touch Points



TMW Newborn Initiative





Photo courtesy of blogs.rch.org.au

- Bilingual intervention piggybacks on the Universal Newborn Hearing Screening (UNHS)
- 10 minute multi-media presentation designed to reach mothers immediately postpartum
- Impact parents' beliefs about their role in their child's language & cognitive development
- Currently in Formative Development at the University of Chicago and Northwestern

TMW Well Baby Initiative

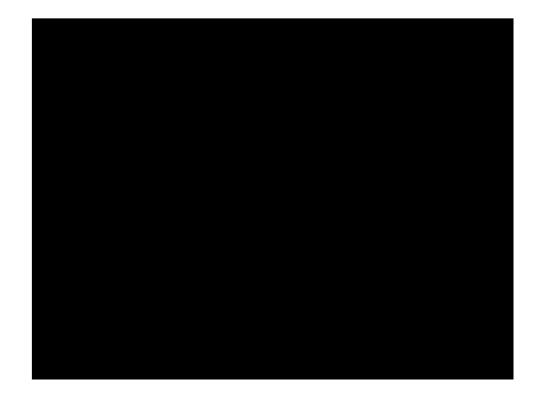


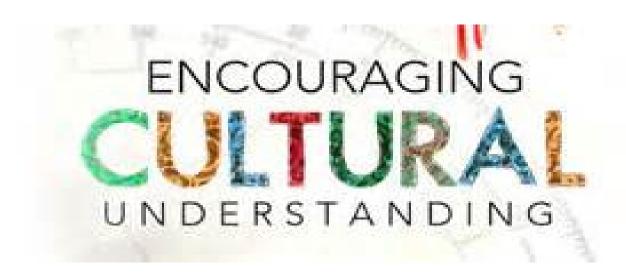


- Bilingual, perinatal intervention built into well baby pediatric visits at 1, 2, 4, & 6 months
- 4 multi-media modules designed integrate into existing infrastructures
- Will scale out with Reach Out and Read
- Targets parents to impact language & cognitive development from the start of life

Photo courtesy of: https://www.pinterest.com/capbluecross/well-baby-well-child-visits/



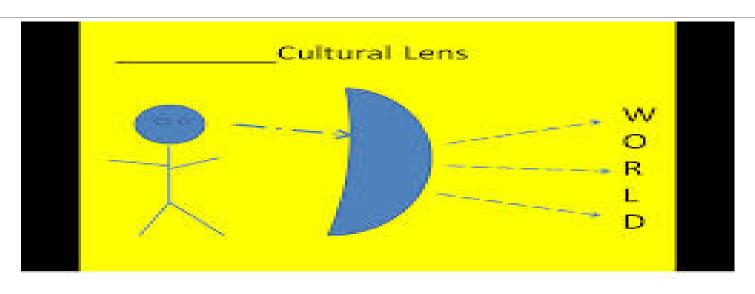




WHO ARE YOU























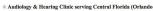
























Minorities are more likely to suffer with disease and disability.

- Leads to shortened life expectancy
- × Lost opportunities for economic advancement
- × Low quality of life (Garcia, et al. 2008; Cadoret & Garcia 2014)





Cross Cultural Training

- × Used for decades to train expats
- Used formally as part of curricula in the medical field since the 1990s
- × Identifies different areas for knowledge and skills development
- × PATIENT based approach
- × Recognize SES as factor influencing culture within an ethnic group.

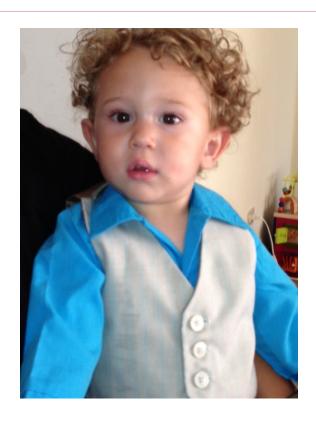
Limited evidence that CCT improves
Patient health status outcomes



Cross Culture and EHDI

Main difficulties

- ×System Navigation
- ×Delays in accessing services
- ×Delays in accepting services
- ×Delays in incorporating services to daily life





Cross Culture and EHDI

Many cultures and socioeconomics groups see medicine as a healing stage, while failing to see the preventive side of it.

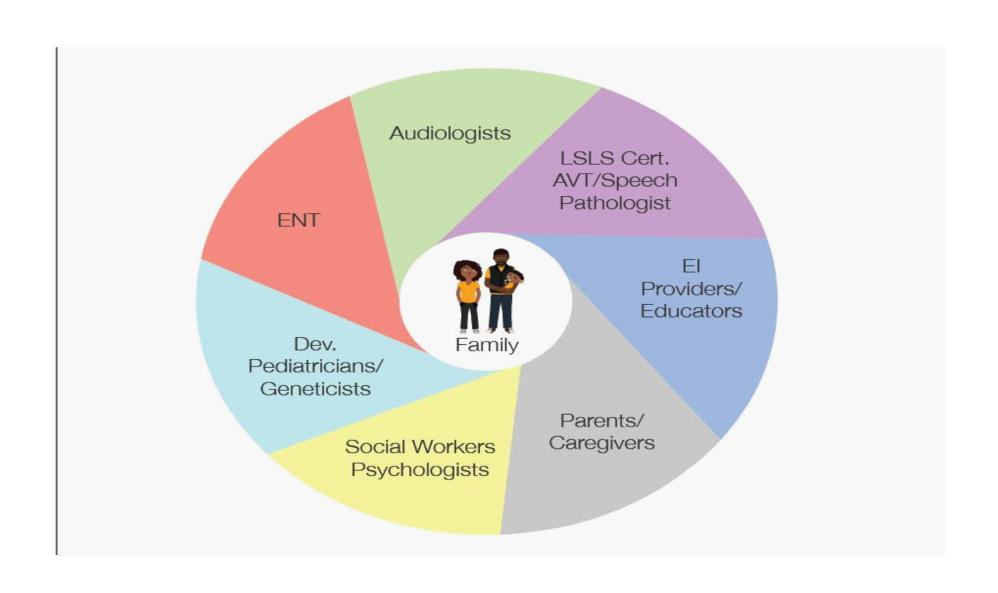
- × Prevention and promotion vs. intervention and healing care
- Pro-activeness: important in development and might decrease delays
- System navigation





Cross Culture and EHDI

- Diversity in our workforce /staff
- × Providers training / learning modules
- × Communication skills
 - ×LEARN method gathers patient/family information
- × Two way highway: Exchange of information
 - Stage one: gathering information and capturing the patient's socio and cultural scenario
 - Stage two: sharing the local and institute culture
- × Implement family centered practice





Family Centered Approach

× LEARN

- ×Listen
- Explain
- ×Acknowledge
- × Recommend
- × Negotiate

× LEARN MODEL & Kleinman's Cultural Assessment Questions,

Joyce, et al. 2013



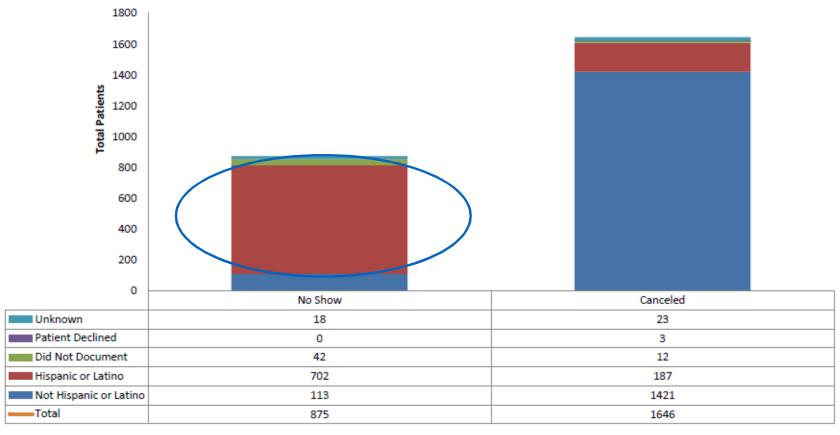
Family Centered Approach

Effective Family-Provider Communication

- × Build a relationship
- Open discussion
- × Gather Information
- Understand the family's perspective
- ★ Share Information
- × Reach agreement on problems and plans
- × Provide closure

Makoul, 2001; Cadoret & Garcia, 2014

Department of Audiology No Shows and Cancellations (Ethnicity) January 01, 2014 to December 31, 2014



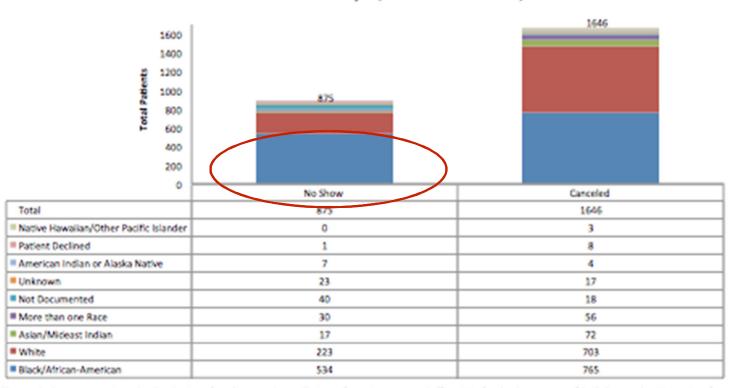
The graph above summarizes the distribution of no shows and cancellations of appointments and office visits for the department of Audiology at the University of Chicago Medical Center between January 01, 2014 and December 31, 2014. The data is distributed by ethnicity as documented in the patient record in Epic.

Data Source: Epic(Clarity)

Quality Analytics Contact: Edward Kim, Ex: 4-7725

PLEASE DO NOT DISTRIBUTE: FOR QUALITY IMPROVEMENT PURPOSES ONLY

Department of Audiology No Shows and Cancellations(Race) January 01, 2014 to December 31, 2014



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University of Chicago Medicine

- Department of Diversity, Inclusion and Equity began in 2013
- ×5 Year Enterprise Wide Diversity and Inclusion Strategy
- Workforce: recruits, promotes and develops a work force that represent the patient population
- Inclusion: seeks to build and sustain an environment that promotes respect and values differences
- Equity: strives to transform us to a culturally and linguistically competent organization

Medical Center / Sub-Committees:

Policy: Aims to advance culturally and linguistically appropriate services and practices through policy and practice changes

Education and Training: informs and supports the successful implementation of cultural competence training strategy

Data: recommends policy for collection, stratification and reporting of performance measures

Cultural Competence Course

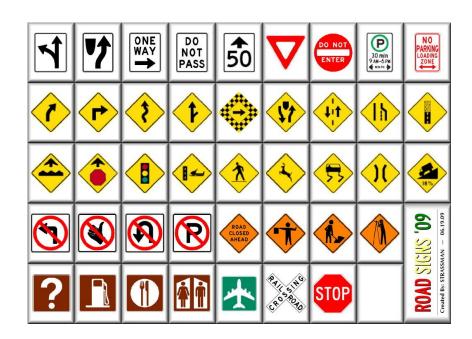
Aims to provide tools to work more effectively in a multicultural setting.

- 1. Cultural competence & the dimensions of diversity
- 2. Power and privilege and self- awareness
- World view and transcultural communication
- Addressing limited health literacy and communication via interpreters
- 5. Ethical dimensions of care
- 6. Health disparities and change agency



The Road Map to Success Evaluation - Services - Support





Referral to University of Chicago Medicine Pediatric Hearing Loss Cochlear Implant Program

Registration new patients: 773-702-1865
Next contact the team:
English 773-702-8182
Spanish: 773-702-1312
sallyt@uchicago.edu

Appointment Day:

Location: 5758 S Maryland Ave. DCAM Building, 4th Floor, 4H Garage parking and valet available

Clinic Day at a glance:
Check in & meet the team:
Pediatric ENT surgeon: Case history & medical assessment
Pediatric Audiologists: Evaluate your child's hearing & hearing devices
Educational liaison: Connect you to EI and evaluation process
Referrals to other team members as needed



Who to contact when:

Cancel or change an appointment: 773-702-1865 Bilingual

For copy of records: 773-702-4851

For immunizations or prescription information: 773-834-3153

Hearing aids / BAHA help: 773-702-0813 English 773-702-1312 Spanish

Cochlear Implants help: 773-834-7101 English 773-702-1312 Spanish

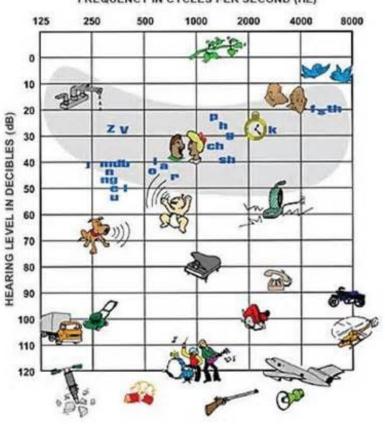
Therapy and education help: 773-702-8182

Evaluation

- × Meeting the team
 - × Assessments
- × Review patient plan
- × Focus on parent education
 - ×Questions to ask team members
 - Information on hearing loss, devices and communication options/outcomes
 - ×Emotional impact

AUDIOGRAM OF FAMILIAR SOUNDS

FREQUENCY IN CYCLES PER SECOND (HZ)



Services

- × Hearing aid benefit assessment
- × Device selection
 - ×3 FDA approved cochlear implant options
- × Insurance
- × Appointment schedule
- × Bilateral & bi-modal information
- × Pre & Post Op instructions
- × Activation- what to expect



Support

- × A commitment for life!
- × On going educational support
- × Liaison with local services
- X At home listening and language activities
- × Services through adulthood





Creating a PATH for our children with hearing loss to become ACTIVE CITIZENS of the world



THANK YOU to OUR TEAM

Medical:

- × Dr. Dana Suskind
- × Dr. Michael Gluth
- × Dr. Ernest Mhoon
- × Dr. Fuad Baroody
- × Christina Monteiro, RN, NP-C
- × Mary Brady, RN

Audiology:

- × Dr. Lia Ferro
- × Dr Barbara Corbett
- × Dr. Brittney Sprouse
- × Dr. Jessica Elliott

Habilitation / Rehabilitation

× Michelle Havlik, MS, SPL

THANK YOU!



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