



AUDIOLOGICAL BOOKLET FOR CHILDREN

Aisling Meier, B.S.
LEND Project
University of Connecticut





PURPOSE

- ① Create a children's picture booklet demonstrating the steps of an audiological evaluation
- ① The goals of this booklet include:
 - ① Provide information prior to the evaluation with demonstrations of the procedures through illustrations
 - ① Hopefully reduce anticipatory anxieties seen in children



METHODS

- ① Interview key informants
 - ② Speech Language Pathologist
 - ② Auditory Verbal Therapist
 - ② Dentist
- ① Obtained information about creating a children's booklet
- ① Learned the positive and negative factors when creating a booklet for children



- ① Booklet creation

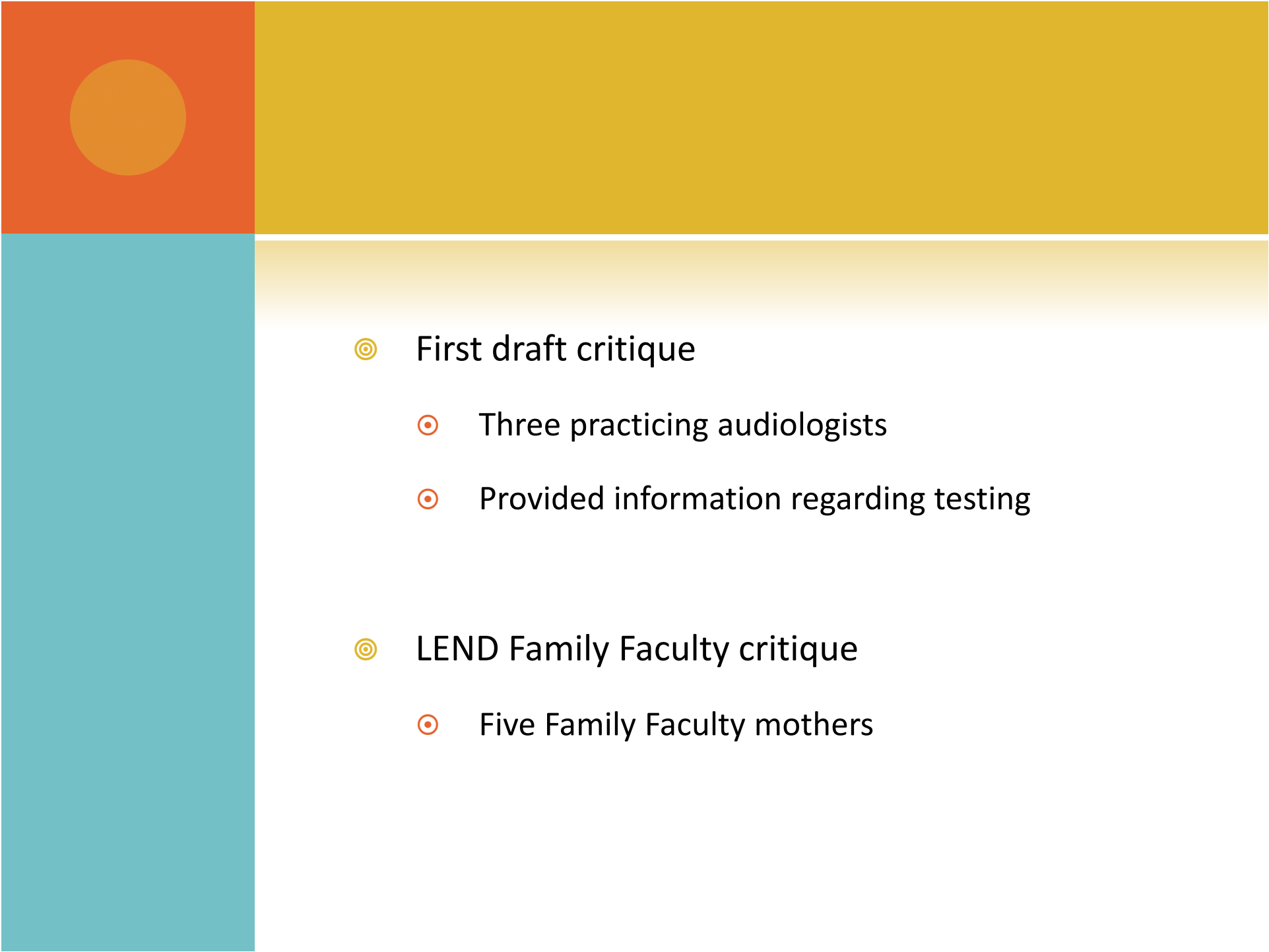
- ② Photographs taken at New England Center for Hearing Rehabilitation

- ③ Age appropriate vocabulary

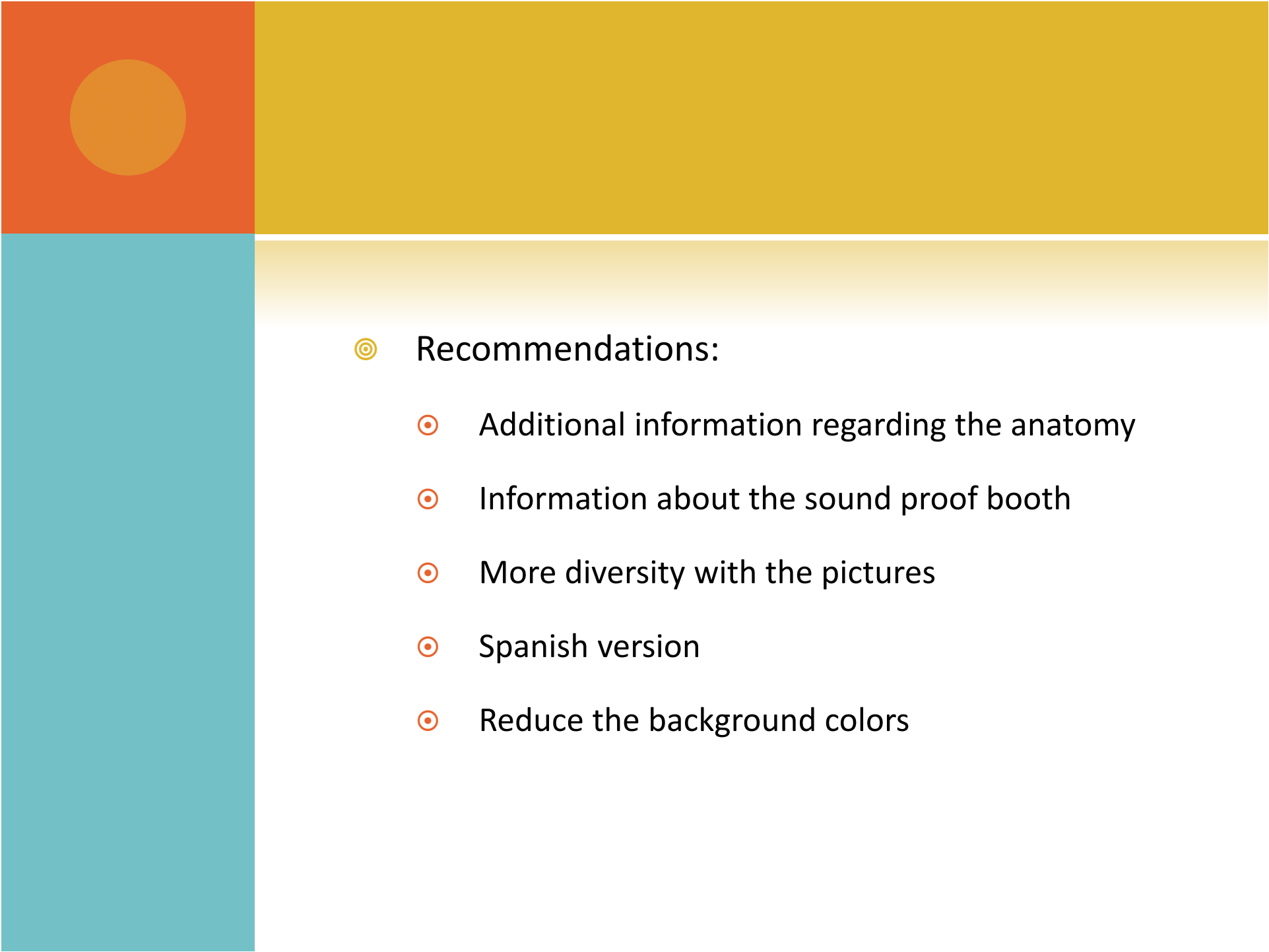
- ④ Flesch-Kincaid Grade level and Reading Ease score was calculated using an online readability index calculator

- The Flesch-Kincaid grade level was 6th grade and Reading Ease score was 69.

- The Flesch-Kincaid Reading Ease score is a 100-point scale based on the average number of syllables per word and words per sentence

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- ⊙ First draft critique
 - ⊙ Three practicing audiologists
 - ⊙ Provided information regarding testing

 - ⊙ LEND Family Faculty critique
 - ⊙ Five Family Faculty mothers

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- ⊙ Recommendations:
 - ⊙ Additional information regarding the anatomy
 - ⊙ Information about the sound proof booth
 - ⊙ More diversity with the pictures
 - ⊙ Spanish version
 - ⊙ Reduce the background colors



☉ Revisions based on Feedback

- ☉ Booklet revised to include the following:
 - Additional information about the sound proof booth
 - Additional pictures of children
 - Translation into Spanish



- ⊙ Review by LEND Directors

- ⊙ Booklet reviewed and critiqued by Mary Beth Bruder and Tierney Giannotti

- ⊙ Suggestions included:

- Pictures of tympanograms

- Creating a game using tympanometry

- Pictures of visual reinforcement toys

- Give the main character and audiologist a name



☉ Review by Families

- ☉ Three families at NECHEAR evaluated the booklet prior to an audiological evaluation
- ☉ Completed a survey after reading the booklet to their child



RESULTS FROM PARENT SURVEY

- ⊙ All 3 parents found the text and illustrations to be age appropriate
- ⊙ All 3 parents found the booklet helped better prepare their child for the audiological evaluation
- ⊙ There were various answers regarding what the parents liked about the booklet:
 - The pictures were good
 - The text was in first person
 - Each step of the process was highlighted



RESULTS FROM PARENT SURVEY

- ⊙ All 3 parents did not dislike anything about the booklet
- ⊙ All 3 parents stated their child enjoyed reading over the booklet
- ⊙ Additional suggestions included:
 - Pictures of different ways to test children



IMPLICATIONS

- ◎ Systems impact
 - ◎ Provide by referring party such as the pediatrician, pediatric ENT, Speech Language Pathologist or teacher.
 - ◎ Reduce anticipatory anxieties seen in children.
 - ◎ Provide additional information to families regarding the audiological evaluation



CONCLUSIONS

- ① The creation of this booklet will help children and families become aware of the audiological evaluation
- ① Effective way of providing information to children
- ① Allows parents to process the information and formulate questions regarding the testing process
- ① Helps reduce anticipatory anxieties through awareness of evaluation