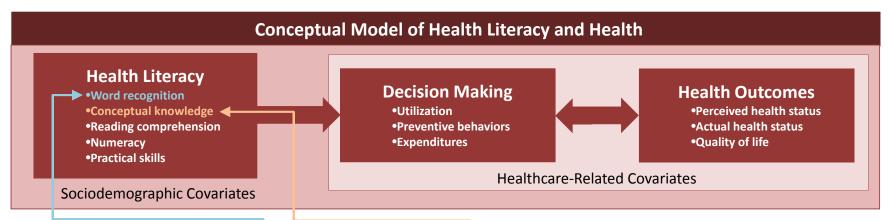
Health Literacy and Oral Health: Building on Preliminary Studies

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Preliminary Study 1: A New **Word Recognition Instrument**

Background

☐ Existing surveys were specific to either medicine or dentistry, not both □Combined survey would offer flexibility

Methods

- ☐ Rapid Estimate of Adult Literacy in Medicine (REALM) used as base ☐ Eighteen dental terms identified and added to REALM (84 items total) ☐ First-time patients at UCLA School
- of Dentistry participated (n=200)

Results

- ☐ REALM-D showed good validity and reliability
- □ Low scores associated with non-white race, low education*, and English as second language* (*interaction)

Conclusions

☐ REALM-D may be used by both medical and dental clinicians to detect differences in health literacy

Preliminary Study 2: The Influence of **Ethnicity on Word Recognition**

Background

- □ Latino refers to a person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish-speaking national origin
- ☐ Persons with such diverse backgrounds might be expected to interpret medical terms differently

Methods

- ☐ Combination of interviews and focus groups conducted among Latinos from Mount Pleasant (Washington, DC) (n=124)
- ☐ Determine whether ethnicity influenced results on Short Assessment of Health Literacy for Spanish Adults (SAHLSA)

Results

☐ Understanding of word meaning and usage differed by national origin

☐ SAHLSA may not be equally reliable across various Latino populations

Preliminary Study 3: A New Conceptual Knowledge Instrument

Background

☐ Conceptual knowledge not studied in context of oral health literacy ☐ Knowledge hypothesized as more proximal determinant of health outcomes

Methods

☐ Oral health-related knowledge items (44 total) developed in four domains (general and disease specific) ☐ Population-based sample of Baltimore adults participated (n=100)

Results

- ☐ Comprehensive Measure of Oral Health Knowledge (CMOHK) (23 items) showed good validity and reliability
- ☐ Low scores associated with young age and low education

Conclusions

☐ CMOHK has potential for studying link between conceptual knowledge and oral health outcomes

Introduction

☐ Limited health literacy is thought to influence oral health disparities ☐ Whereas the link between health literacy and general health outcomes is well established, few studies have attempted to identify the relationship between health literacy and oral health

Overview

- ☐ Three preliminary studies conducted by our research team served as the basis for our current work
- ☐ Our conceptual model depicts the relationship between health literacy and (oral) health outcomes while also defining the influence of intermediate factors (i.e., healthcare decision making) and relevant sociodemographic and healthcare-related covariates

Implications for Research

- Our ongoing research, conducted at multiple sites, will be among the first to explore the links between health literacy and oral health
- ☐ Our comprehensive approach to exploring the influences of various health literacy skills, intermediate factors and relevant covariates on oral health will yield valuable results and serve as a model for studying health literacy in both dental and non-dental settings











