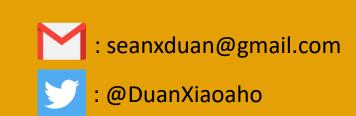


The Use of Explicit Health Benefits Packages Increases Support for Universal Health Care for PEOPLE WITH HIGH OBJECTIVE NUMERACY

RESULTS

Sean X. Duan BS¹, Victoria A. Shaffer PhD¹

¹University of Missouri—Columbia Department of Psychological Sciences



BACKGROUND AND OBJECTIVES

- Universal Health Care (UHC) lacks support in the U.S.
- Literature indicates that opposition to UHC is rooted in lack of comprehension and perceptions that it may be unfair.
- Explicit Health Benefits packages (HBPs) may improve support for UHC by outlining the cost and scope of care, directly addressing these concerns.
- To test this, we compared support for UHC after an HBP intervention, uninformative control, or 'standard' UHC messaging

METHODS

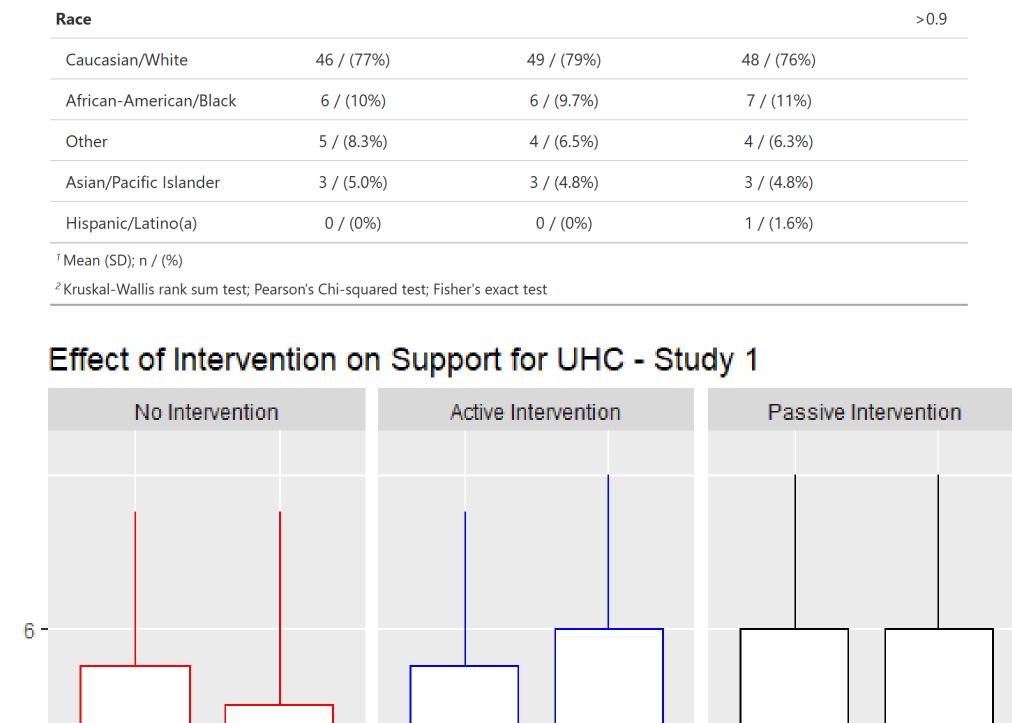
- Study 1 (N=189) randomly assigned to build an HBP, assess a provided HBP, or an uninformative control
- Study 2 (N=412) randomly assigned to either build an HBP or read informational pamphlets about UHC; see Figure 2.
- HBPs were built or provided using the "Choosing Healthplans All Together" (CHAT) simulation exercise
- This consists of allocating a limited set of resources to benefit types (e.g. dental) and choosing scope of coverage (basic-to-high); see Figure 1
- For each condition in both studies, participants:
- Rated support for UHC (0-100) pre/post intervention
- Provided demographic information (age, sex, race, etc.)
- For Study 2, participants also:
- Rated comprehension of UHC (0-100) pre/post
- Rated perceived equality of UHC (0-100) pre/post
- Completed objective (Rasch Numeracy Scale) and subjective (Subjective Numeracy Scale) measures of

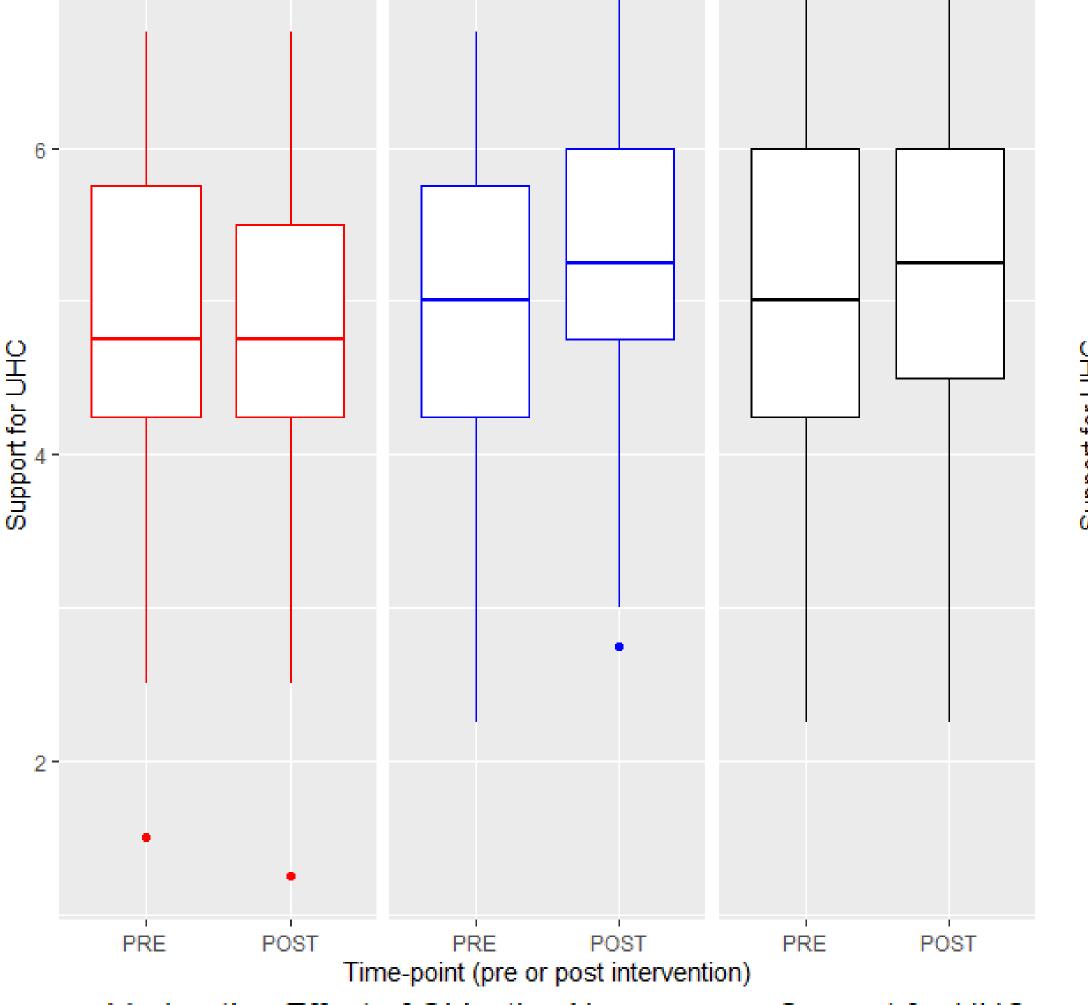
numeracy.

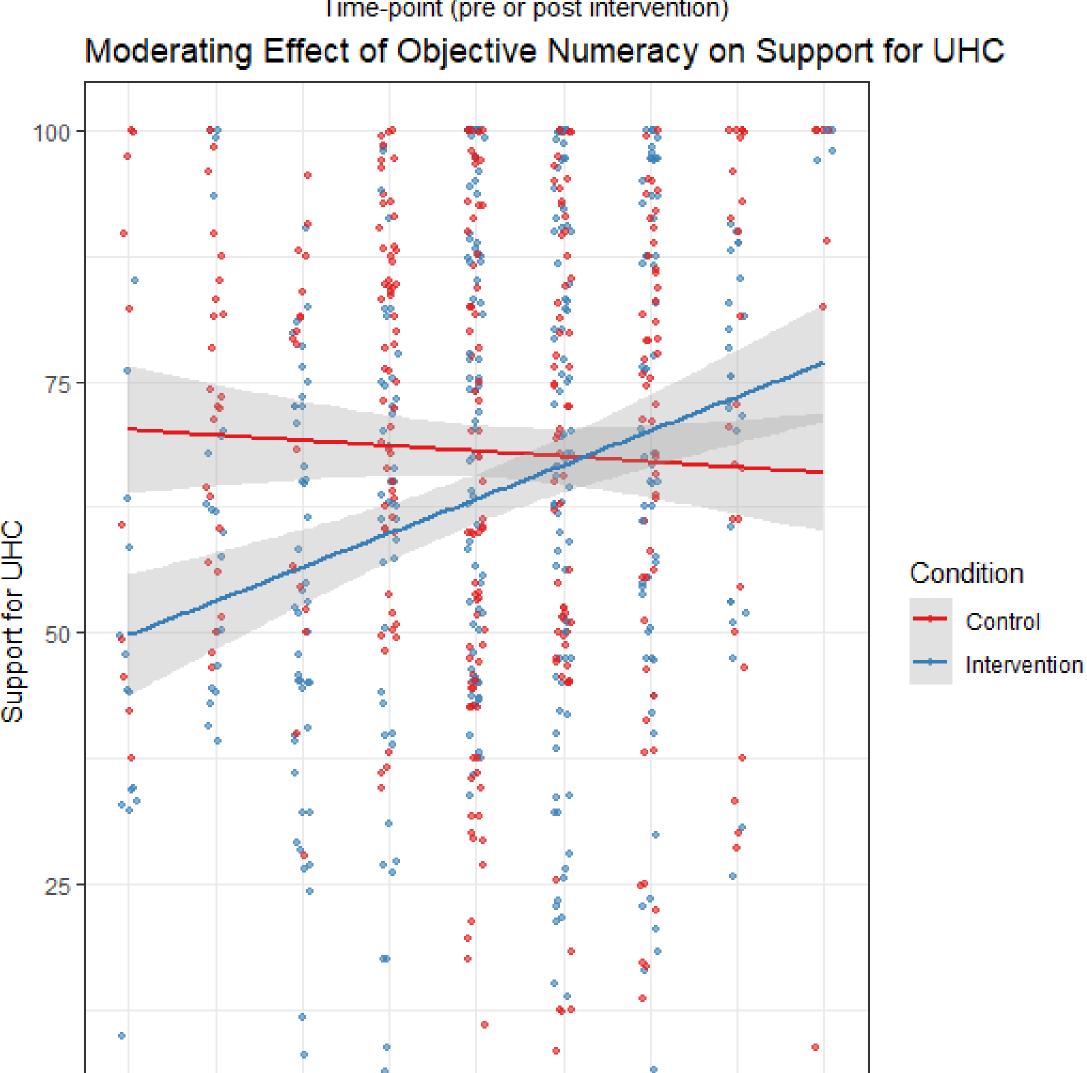
Coverage		No Coverage Basic Medium High		
Complementary Pays for "Alternative" treatments.	\bigcirc 0	1		
Dental Pays for care of your teeth.	\bigcirc 0	○ 2 ○6		
Home Health Pays for in-home care if you are chronically ill/too disabled to care for yourself.	0	$\bigcirc 2 \bigcirc 3$		
Hospitalization Pays for hospital bills - you need approval before the hospital will admit you, excepting emergency.	\bigcirc 0	○ 10 ● 11	0 14	
Infertiliy Pays for tests and special procedures for someone having trouble getting pregnant.	\bigcirc 0	1		
Last Chance Pays for special treatment in life-threatening situations.	\bigcirc 0	○1 ② 2		
Long-Term Pays for your care over a long period of time in a residential or nursing home.	\bigcirc 0	○ 4 ○8		
Mental Health and Substance Abuse Pays for counseling and therapy, treatment of mental illness, and alcohol and drug abuse.	\bigcirc 0	○ 2 ○3		
Other Medical Pays for equipment like physical therapy, occupational therapy, ambulance service, wheel chair, hospital beds, etc.	\bigcirc 0	○ 2 ○3		
Pharmacy Pays for medicines your doctor prescribes	\bigcirc 0	○3 ●6	08	
Primary Pays for your primary or "family" doctor and staff. Your primary doctor can refer you to other doctors, order special services and tests	O 0	0 4 05	06	
Specialty Pays for special problems your primary doctor and staff don't handle	\bigcirc 0	◎ 9 ○11	0 16	
Tests Pays for blood work, x-rays, or other tests you need.	0	○3 ○4		
Vision Pays for eye exams, glasses, and contact lenses.	\bigcirc 0	○1		

Vision Pays for eye exams, glasses, and contact lenses.	\bigcirc 0	○1	
Figure 1. Web application for "Choosing Healthplans A	Toget	her" exercise.	

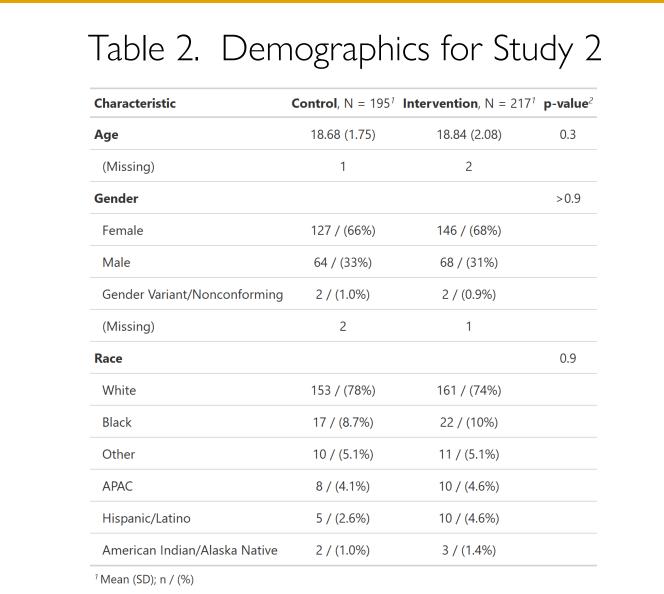
Demographics for Study 1 18.55 (0.70) 36 / (60%) 41 / (66%) 42 / (67%) 24 / (40%) 21 / (34%) 21 / (33%) 49 / (79%) 48 / (76%) 46 / (77%) Caucasian/White 6 / (10%) 6 / (9.7%) 7 / (11%) African-American/Black 5 / (8.3%) 4 / (6.5%) 4 / (6.3%) Asian/Pacific Islande 3 / (5.0%) 3 / (4.8%) 3 / (4.8%) 0 / (0%) 0 / (0%) 1 / (1.6%) Hispanic/Latino(a)

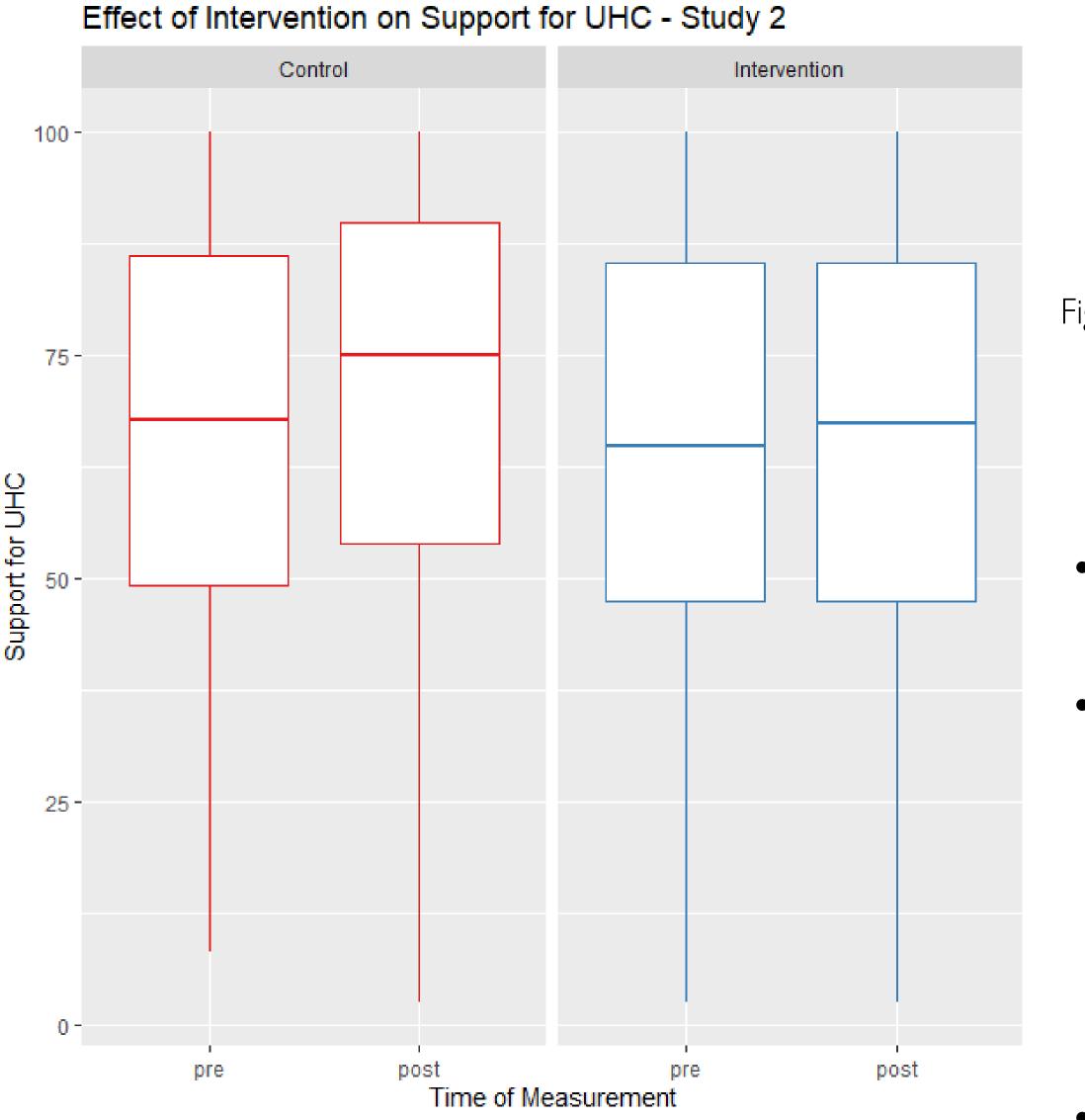


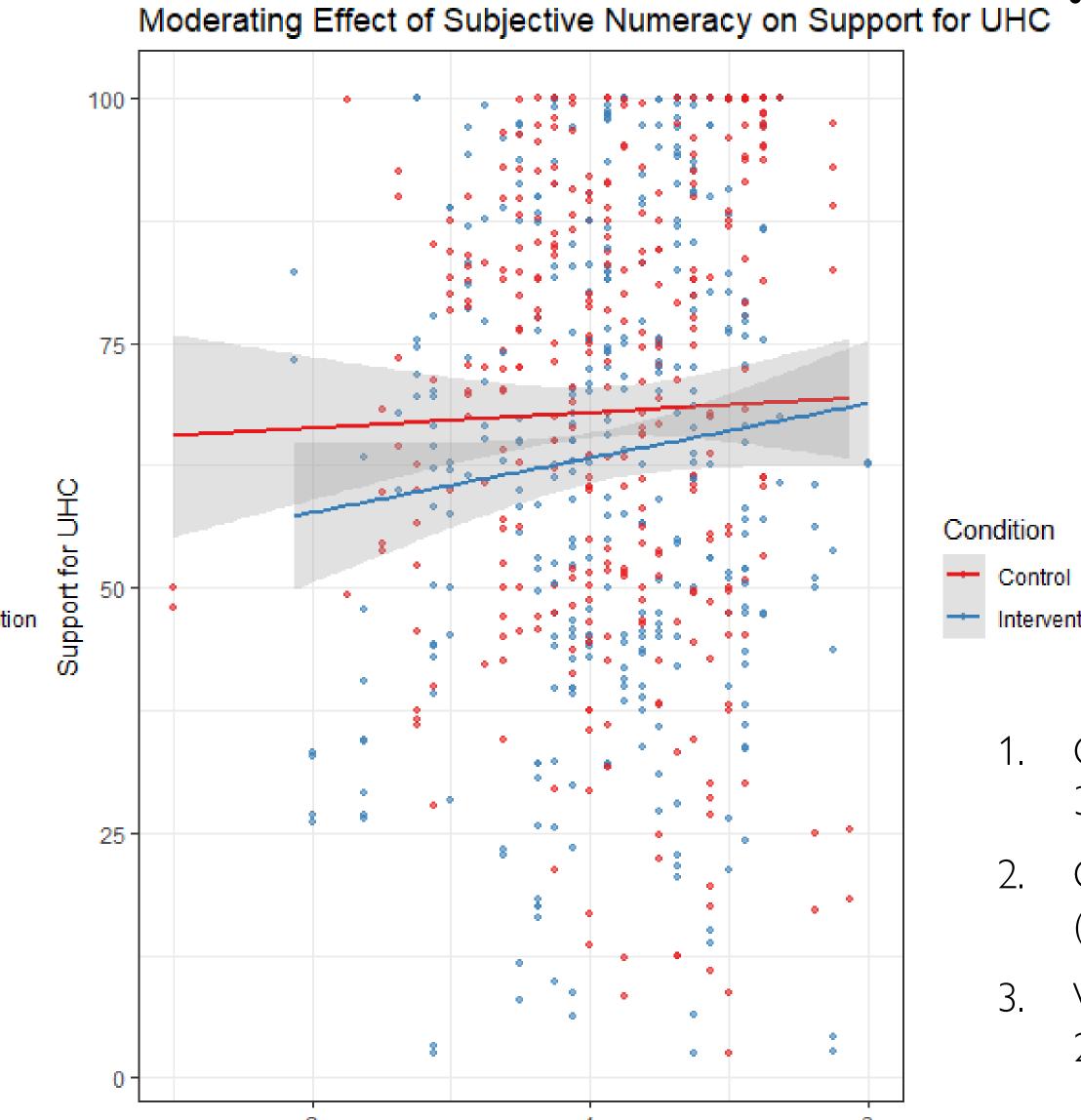




Objective Numeracy Score







Subjective Numeracy Score

Intervention

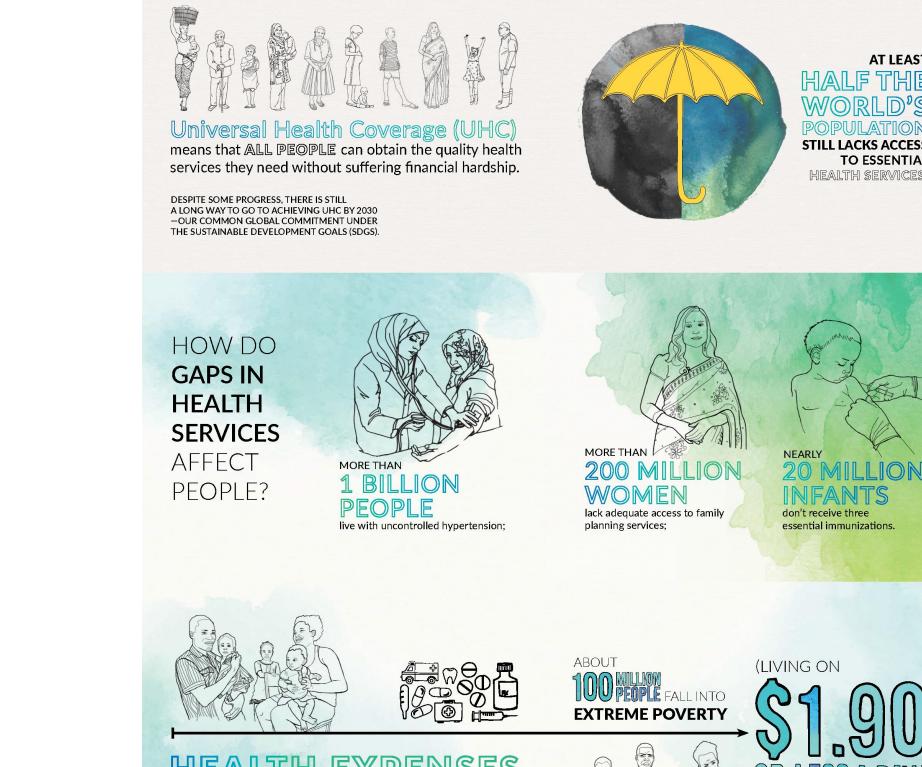


Figure 2. Example infographic provided as 'standard' UHC messaging in Study 2

DISCUSSION

- In Study 1, both HBP interventions improved support for UHC compared to the control
- In Study 2, there was no direct effect of intervention on support for UHC.
- However, there was a significant interaction between intervention and objective numeracy
- Greater objective numeracy predicted increased support for UHC in the intervention versus the control.
- Support for UHC was mediated by perceived equity, but not comprehensibility
- E.g. Increase in UHC support in control condition was partly mediated by increased perceived equity
- Conversely, lack of increase in UHC support in the intervention was due to lack of improved perceived equity

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