# Effects of Acculturation and Social Norms on Intention to use Antibiotics without a Prescription among Hispanic or Latino Individuals

#### **Poster #1770**

Baylor

College of

Medicine

## **RESULTS:** Factors Associated with Intention to Use Non-Prescription Antibiotics BACKGROUND Predic

- Non-prescription use of antibiotics in the U.S. may contribute to antimicrobial resistance.
- Hypothesis: Among Hispanic/Latino patients, the intention to use nonprescription antibiotics would be linked to:
  - Preference to socialize with Hispanics/Latinos (lower acculturation)
  - Having friends or relatives who utilize antibiotics without a doctor's guidance (social norms)

### METHODS

- Surveys were administered in safety-net primary care clinics and private emergency departments in the greater Houston, Texas area between January 2020 and June 2021.
- 263 patients were surveyed in Spanish or English on patient, health system, and clinical encounter factors.

### Table 1. Sociodemographic characteristics of respondents and patient reported experiences (n=263)

#### Characteristic

No. (%) of questionnaires completed in Spanish In English No. (%) of respondents reporting use or intention non-prescription antibiotics **Reported prior non-prescription use Reported intention to use non-prescription** How many of your friends or relatives use antibiotic contacting a doctor? None/Don't Remember/Don't Know Some **About Half** Most All

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> > **Acculturation Scale** Ethnic Social Relat

Insurance

Uninsured

Survey Language

Spanish

**Social Norms** How many of your frier use antibiotics without doctor?

Most

All

**Barriers To Healthc** The Last 12 Months

High cost of doctor

A language barrier

<sup>†</sup>NS = Not significant in multivariate analysis, OR = Odds Ratio

 Interventions aime the Hispanic/Latin

- Affordable
- Promotion
  - social norm

	Value	
	155.0 (59)	
	108 (41)	
on to use		
	123 (47)	
antibiotics	95 (36)	
cs without		
	105 (40)	
	98 (37)	
	15 (6)	
	33 (13)	
	12 (5)	

ctor	Bought Without a Prescription in the U.S	From Another Country	From Friends/Relatives
<b>le</b> ations Subscale	NS	OR = 0.6 <i>P</i> = 0.02	NS
	OR = 2.4 <i>P</i> = 0.03		
	OR = 2.3 <i>P</i> = 0.02		
ends or relatives ut contacting a			
	OR = 3.2 <i>P</i> = 0.01	OR = 3.9 <i>P</i> = 0.01	OR = 4.3 <i>P</i> = 0.01
	OR = 4.1 <i>P</i> = 0.04	OR = 10.7 <i>P</i> < 0.01	OR = 9.7 <i>P</i> < 0.01
care Access In s or visits	OR = 4.3 <i>P</i> = 0.01		OR = 4.5 <i>P</i> = 0.01
er		OR = 6.3 <i>P</i> = 0.02	

## CONCLUSIONS

ned to reduce non-prescription use in	•	VA
ino community should focus on:		an
e, language-concordant healthcare		an
n of antibiotic stewardship as a		
rm		





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