Contribution of communication inequalities to disparities in HPV vaccine awareness and infection knowledge Emily Z Kontos, ScD, ScM

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Presenter Disclosures

Emily Z Kontos, ScD, ScM

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Diaital commu	unication	ineau	alities ⁸			
g						
	Bivariate a	nalyses	Multivariable analyses			
	Total survey population		Total survey population			
	(n=6,	738)	(n=6,738)			
				Adjust		
	% Internet	χ^2		Wald		
	user	P value	OR [95% Cl]	p valu		
HH income						
<20k	45	<.0001	1.00	<.000		
20-34k	54		1.40 [0.98; 1.99]			
35-49k	73		2.57 [1.77; 4.02]			
50-74k	81		3.43 [2.31; 5.09]			
>75k	91		4.83 [3.25; 7.19]			
Didn't report	62		1.93 [1.30; 2.89]			
Education						
<hs< td=""><td>28</td><td><.0001</td><td>1.00</td><td><.000</td></hs<>	28	<.0001	1.00	<.000		
HS	58		2.13 [1.56; 2.90]			
Some college	81		5.75 [4.23; 7.80]			
≥College	91		14.33 [9.85; 20.85	1		
Race/ethnicity						
White, non-Hispanic	76	<.0001	1.00	<.000		
Black, non-Hispanic	59		0.52 [0.34; 0.80]			
Hispanic	50		0.47 [0.30; 0.73]			
Other	70		0.61 [0.41; 0.91]			
		Also significant	differences by age, sex, having a doctor,	and immigrant		







Variable	Categorization
Internet use	Non-user
"Do you ever go on-line to access the Internet or World Wide Web, or to send and receive email?"	Internet user
General health information	Non-seeker
seeking	Non-Internet seeker
"Have you ever looked for information about health or medical topics from any source?" AND "The most recent time you looked for information about health or medical topics, where did you go first?".	Internet seeker
Cancer-specific health	Non-seeker
information seeking	Non-Internet seeker
"Have you ever looked for information about cancer from any source" AND "The most recent time you looked for information about concer, where did you go first?"	Internet seeker

Variable	Question			
HPV vaccine awareness	"A vaccine to prevent HPV infection is available and is called the cervical cancer vaccine or HPV shot. Before today, have you ever heard of the cervical cancer vaccine or HPV shot?".			
HPV infection knowledge (link with cervical cancer)	"Do you think HPV can cause cervical cancer?"			
HPV infection knowledge (transmission)	"Do you think you can get HPV through sexual contact?".			

Poculto (Riverieto)							
Results (Bivaliale)							
	Awa	re of HPV	Kno	wledgeable	Kr	owledgeable	
Awareness and knowledge higher among Internet users and Internet- based health information seekers		vaccine		HPV is a cause of cervical cancer		HPV is contracted through sexual contact	
	%	γ^2	%	γ^2	%	γ^2	
		p value		p value		p value	
nternet Use		485.3		45.37		18.31	
Non-User	42	<.0001	66	<.0001	58	<.0001	
User	75		81		70		
General Health Information Seeking		682.77		93.72		43.49	
Internet seeker	80	<.0001	84	<.0001	74	<.0001	
Non-Internet Seeker	61		79		68		
Non-Seeker	46		64		50		
Cancer-Specific Health Information Seeking		193.47		26.68		29.21	
Internet seeker	82	<.0001	84	<.0001	75	<.0001	
Non-Internet Seeker	71		80		73		
Non-Seeker	57		75		61		

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					Knowledgeable	HPV is	
			Knowledgeable HPV is a		contracted through sexual		
	Aware of HPV vaccine n=6,853		cause of cervical cancer n=4,483		n=4,497		
		Adjusted Wald		Adjusted Wald		Adjuste Wald	
	OR [95% CI]	p value	OR [95% Cl]	p value	OR [95% CI]	p value	
Internet Use							
Non-User	1.00	69.73	1.00	5.04	1.00	0.22	
User	2.41 [1.96, 2.95]	<.0001	1.42 [1.05, 1.94]	0.02	0.93 [0.69, 1.26]	0.64	
General Health Information Seeking							
Internet seeker	1.00	67.02	1.00	14.55	1.00	25.07	
Non-Internet Seeker	0.59 [0.46, 0.75]	<.0001	0.79 [0.63, 0.99]	0.00	0.71 [0.57, 0.89]	<.0001	
Non-Seeker	0.34 [0.27, 0.44]		0.55 [0.39, 0.76]		0.46 [0.34, 0.63]		
Cancer-Specific Health Information Seeking							
Internet seeker	1.00	44.47	1.00	20.22	1.00	17.55	
Non-Internet Seeker	0.90 [0.68, 1.18]	<.0001	1.02 [0.73, 1.43]	<.0001	0.99 [0.70, 1.40]	0.00	
Non-Seeker	0.49 [0.37, 0.63]		0.64 [0.48, 0.86]		0.61 [0.46, 0.80]		



