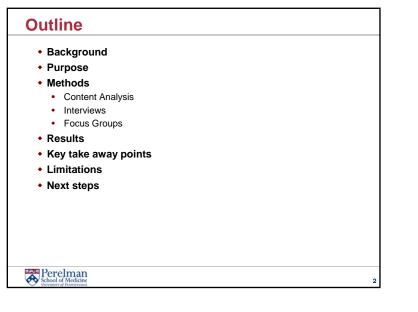
Assessing the Potential for Using Social Media to Increase Hepatitis B Awareness in Philadelphia

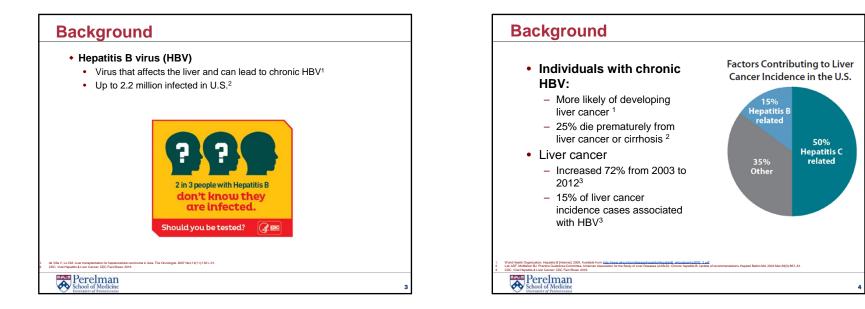
Julia Alber, PhD, MPH Postdoctoral Fellow Center for Health Behavior Research

July 20th, 2017

The work was supported by funding received from the University of Pennsylvania's CTSA Community Engagement and Research Core (UL1TR000003), the University of Pennsylvania's Center for Public Health Initiatives, and the Perelman School of Medicine at the University of Pennsylvania.







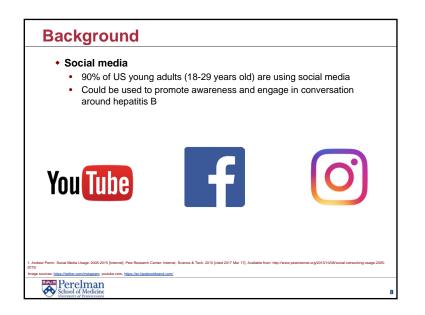
Background

- Disproportionately affects Asian Americans^{1,2}
 - Make up approximately 50%-60% of the U.S. infected population^{3,4}
- Eleven states, including Pennsylvania, account for 75.5% of all chronic HBV⁴
- In some locations, including Philadelphia, young adults have high rates of hepatitis B ^{6,7}

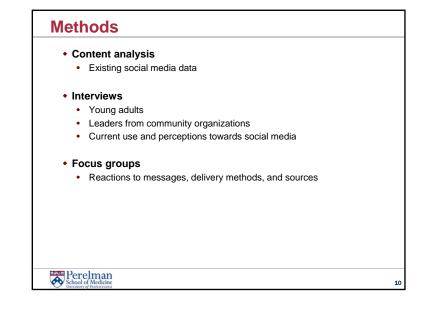


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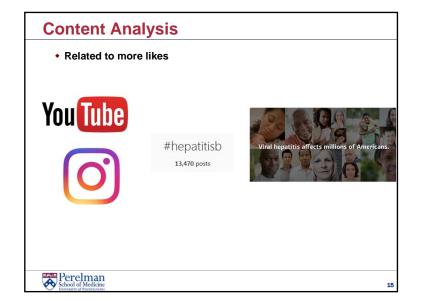


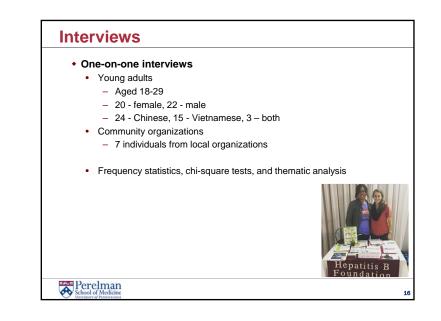
Content Analysis	
 Public messages 	
Twitter, Instagram, and You	
	16-22, 2015; May 16-22, 2016)
 #HBV, #hepatitisb, #hepb, a 	nd #hepatitis
 The image and text within 7 	73 messages were coded
 Frequencies and regression 	n analyses

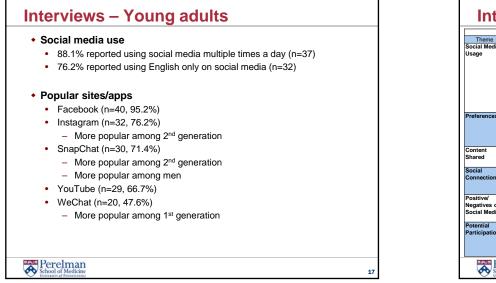
Characteristic	Total (N=773)	Individual Users (N=191)	Organizational Users (N=568)
	n (%)	n (%)	n (%)
Platform	()	()	
Instagram	90 (11 64)	31 (16.23)	57 (10.04)
Twitter	675 (87.32)	59 (83.25)	506 (89.08)
TOUTUDE	8 (1.03)	1 (0.52)	5 (0.88)
lashtag	. ,		
#hepb	69 (8.93)	11 (5.76)	56 (9.86)
#HBV	56 (7.24)	16 (8.38)	38 (6.69)
#hepatitisb	42 (5.43)	8 (4.19)	32 (5.63)
#hepatitis	673 (87.06)	163 (85.34)	499 (87.85)
ocation			
USA	457 (59.12)	99 (51.83)	358 (63.03)
Outside of USA	123 (15.91)	38 (19.90)	82 (14.44)
Unknown	103 (24 07)	54 (28 27)	128 (22 54)
	135 (24.57)	34 (20.27)	120 (22.04)
	360 (46.57)	02 (53.40)	247 (43.49)
No	()		
Unknown nage or Video Yes No	193 (24.97) 360 (46.57) 413 (53.43)	54 (28.27) 02 (53.40) 89 (46.60)	128 (22.54) 247 (43.49) 321(56.51)

Image Total (N=773) Individual Users (N=191) Organizational Users (N=568) % (n) % (n) % (n) % (n) individual 11.77 (91) 15.71 (30) 10.39 (59) Group 10.48 (81) 7.86 (15) 11.27 (64) Medical Equipment, 0 7.75 (3) 123 (7) Perice, or Product 4.79 (37) 4.19 (8) 4.75 (27) Logo 17.46 (1425) 17.90 (24) 16.00 (06) Illustration 27.55 (213) 32.46 (62) 25.00 (142) Enotional appeal 8.28 (164) 9.42 (18) 7.75 (44) No or colors 30.14 (233) 33.51 (64) 28.70 (163)				
Introduct 11,77 (91) 15,71 (30) 10,39 (59) irroup 10,48 (81) 7,85 (15) 11,27 (64) ledical Environment 0,13 (1) 1,57 (3) 1,23 (7) ledical Equipment, - - - versice, or Product 4,79 (37) 4,19 (8) 4,75 (27) ope 17,46 (135) 12,90 (24) 16,00 (96) ustration 27,55 (213) 32,46 (62) 25,00 (142) motional appeal 8,28 (64) 9,42 (18) 7,75 (44)	nage			
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Indical Equipment, bevice, or Product 4.79 (37) 4.19 (8) 4.75 (27) op 17.46 (425) 17.80 (24) 16.00 (06) Justration 27.55 (213) 32.46 (62) 25.00 (142) motional appeal 8.28 (64) 9.42 (18) 7.75 (44)				
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Ilustration 27.55 (213) 32.46 (62) 25.00 (142) Emotional appeal 8.28 (64) 9.42 (18) 7.75 (44)				
motional appeal 8.28 (64) 9.42 (18) 7.75 (44)		. ,		
wo or colors 30.14 (233) 33.51 (64) 26.70 (163)				

Text Type	Total (N=773)	Individual Users (N=191)	Organizational Users (N=568)
	% (n)	% (n)	% (n)
Story/Narrative	4.40 (34)	6.81 (13)	3.70 (21)
Facts	37.26 (288)	35.08 (67)	36.97 (210)
wareness Campaign	37.78 (292)	31.41 (60)	39.79 (226)
leadline/New Piece	13.58 (105)	14.14 (27)	13.38 (76)
Statistics	6.47 (50)	3.14 (6)	7.39 (42)
Nebsite Link	74.90 (579)	68.06 (130)	77.29 (439)
Event Information/			
Announcement	5.95 (46)	5.24 (10)	6.34 (36)
Call to Action (General)	38.94 (301)	37.17 (71)	40.14 (228)
Health Belief Model			
Susceptibility	4.79 (37)	4.19 (8)	4.75 (27)
Severity	3.88 (30)	5.24 (10)	3.52 (20)
Benefits	5.69 (44)	3.66 (7)	6.16 (35)
Barriers	7.37 (57)	4.71 (9)	8.45 (48)
Cues to Action	25.10 (194)	23.04 (44)	26.23 (149)
lepatitis B Screening	7.76 (60)	5.24 (10)	8.80 (50)

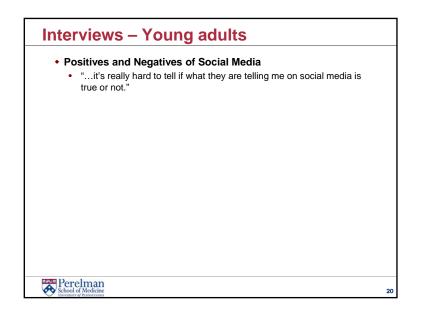






	Themes		odes	
Theme	Theme Definition	# of Participants (%)	Code	# of Participants (%
Social Media	The type of social media or type	42 (100%)	Social media tools	42 (100%)
Usage	of communication used on social		Following posts of personal connections	40 (95.2%)
	media, such as the social media		Private correspondence	38 (90.5%)
	platforms or tools used or how they interact with others on social		Interacting publically with personal connections	37 (88.1%)
	media.		Following posts of non-personal connections	31 (73.8%)
			Communicates differently with friends and family	23 (54.8%)
			Communicates similarly with friends and family	16 (38.1%)
Preferences	Describes how they or others	42 (100%)	Comfortable sharing	39 (92.9%)
	have different preferences in		Personal preferences	31 (73.8%)
	terms of sharing information on		Not comfortable sharing	29 (69.0%)
	social media.		Open to sharing publically	23 (54.5%)
			Prefers privacy or anonymity	25 (59.5%)
Content	Description of type of information	42 (100%)	Health information or instructions	42 (100%)
Shared	or content shared on social media.		Food	22 (52.4%)
Social	Details the type of people or	40 (95.2%)	Celebrities or organizations	36 (85.7%)
Connections	organizations that participants		With whom they are sharing or would share	31 (73.8%)
	communicate with or follow on social media.		Local connection	25 (59.5%)
Positive/	The benefits or challenges to	38 (98.5%)	Motivates or influences behavior	32 (76.2%)
Negatives of	using social media in general in		Negatives of social media	24 (57.1%)
Social Media	terms of its effect on health and society.		Maintaining relationship online	24 (57.1%)
Potential	Participants describe if and/or	38 (98.5%)	Interviewee would participate	30 (71.4%)
Participation	why they or their friends or family may participate in a potential		Will consider if improves community	28 (66.7%)
	social media campaign for		Friend would participate	26 (61.9%)
	improving health.		Family would participate	14 (33.3%)

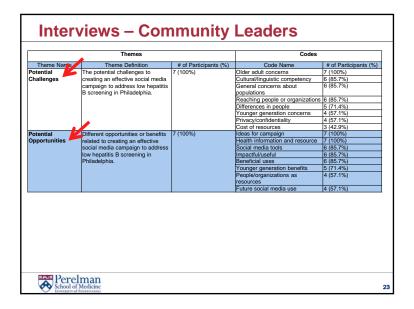
Interviews – Young adults	
 Social Media Usage "For WeChat, I use it to talk to my relatives and my sibling. I don't usually talk with my friends, because we text." 	
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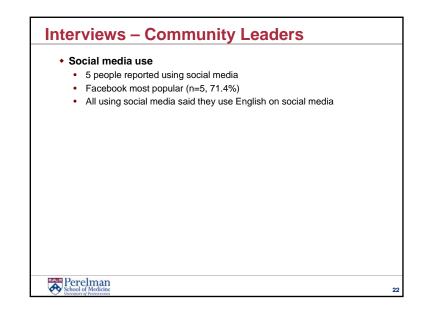


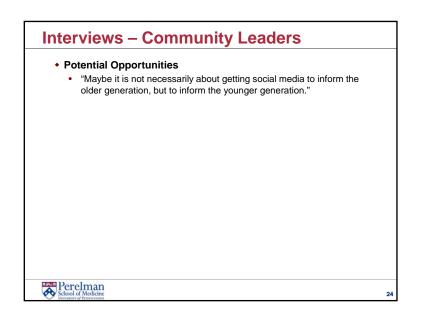
Interviews – Young adults

- Potential Participation
 - "If I thought it was for a good cause and well put together, then yes."

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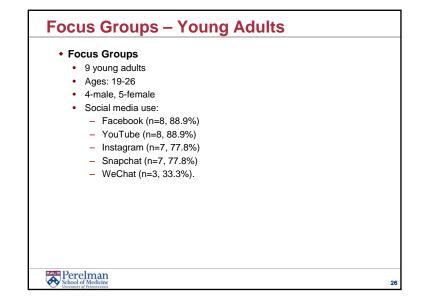




Interviews – Community Leaders

- Potential Challenges
- "I don't think it's going to be very easy for social media to become a platform for especially the older generation to start talking about health issues in the community, only because they tend to be more private ..."

School of Medicine

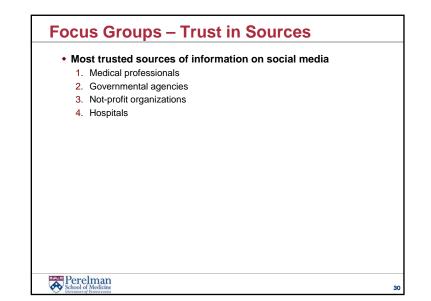


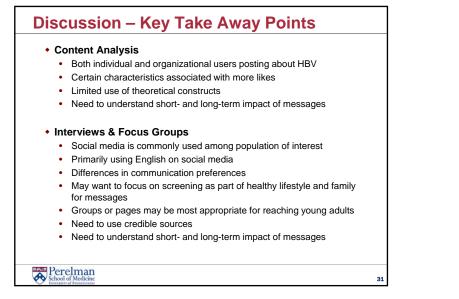




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 Top Delivery Idea Promoting shari 	a ng through a group page or ch	at.
MARKET IN	i Alpha Phi - UW Xi Chapter shared their even ay 7, 2012 - 여 k is Hepatitis B Awareness Week and we will be	
	to raise proceeds for Team HBV at University UW Pi Alpha Phi Presents: Pineapple Wed 11:30 MPDT - University of Washington R 3 people interested - 89 people going	
u Like	Comment	
© 4	rite a comment	0 0





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Next Steps

- Applied for Prevent Cancer Foundation Grant to:
 1) Test the effects of existing social media videos
 - 2) Apply different techniques to recruit local community groups

Questions?	
Perelman	
School of Medicine School of Medicine	:

School of Medicine

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