

Vaccine Hesitancy and Networked Information

REBEKAH GETMAN, M.A., M.ED.

Questions

- How does bad information about vaccines enter information networks?
 - ▶ Disguised as or paired with good science

- ▶ What helps it **move** through these networks?
 - ► Social Proof
 - ► Effective messaging

Network types

- ▶ Web
 - ▶ Online linking
 - ▶ Influence: links from other sources to your source (Jackson, 2008)
- ► Social Media
 - ► Following/followers
 - ▶ Influence: Both # of followers and interactions (Goel et al, 2013)

Study 1: Fluoride on Facebook

- 2014: Reaction on Facebook to "the Harvard Fluoride study"
- Joined 9 anti-fluoride Facebook groups and followed threads in which the study was linked
- Sentiment analysis on comments

Seymour et al, 2015

Study 2: Vaccine information online

With MediaCloud (mediacloud.org), conducted keyword search of stem "vaccin" of 50,000 English-language sources on the web, June 1 2014-March 1 2015

▶ Network analysis on top 500 sources

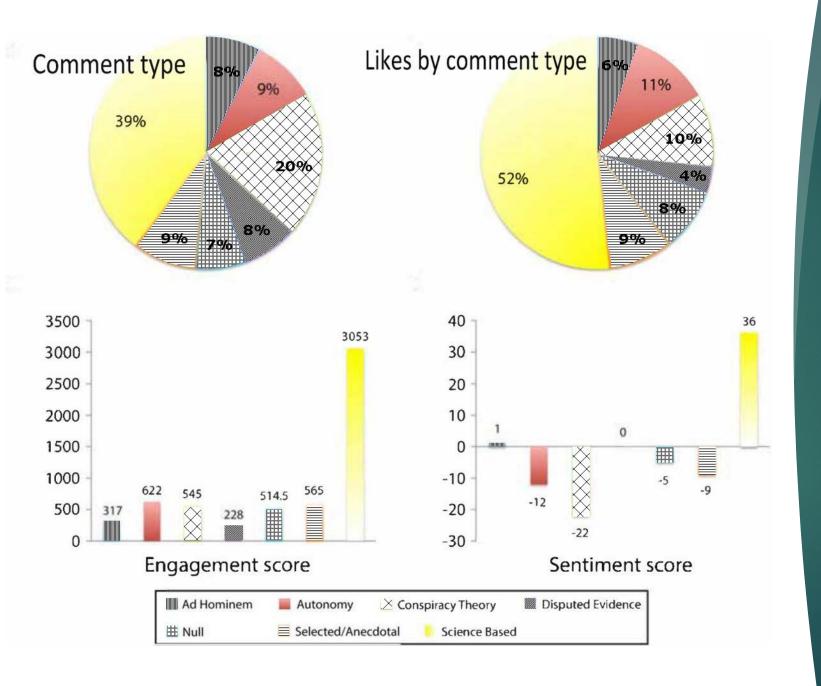
Getman et al, 2018

Study 3: Vaccine information on Twitter

- ▶ 100 most influential stories on the web by inlink, tracked across Twitter
 - ▶ 20 stories were vaccine-hesitant; 79 pro-vaccine
 - ▶ 517 shares on Twitter across 479 users with 23,127,350 followers
 - ► Top 10 Twitter Shares (by user followers) were coded for link, tweet, and user sentiment

Q1: How does bad information get into good networks?

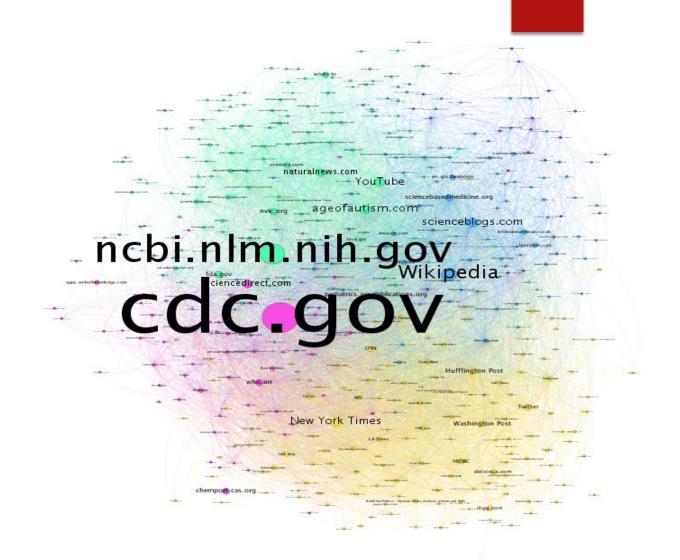




Study 1: Facebook Comments on Fluoride

Study 2: Online Network of Vaccine Information

Vaccine-Hesitant
Public Health
Pro-Vaccine
Mainstream Media



Study 3: Vaccine information on Twitter



WE WANT THE FACTS

Where did this science come from? NLM, NIH, CDC, FDA, OXFORD JOURNALS, PUBMED...WHERE YOUR DR GETS HIS INFORMATION. (Besides the sales reps selling the vaccines to him)

NLM.NCBI.NIH.GOV- The United States National Library of Medicine (NLM), operated by the United States federal government, is the world's largest medical library. The NLM is a division of the National Institutes of Health. Its collections include more than seven million books, journals, technical reports, manuscripts, microfilms, photographs, and images on medicine and related sciences including some of the world's oldest and rarest works.

FDA.GOV- The Food and Drug Administration (FDA or USFDA) is an agency of the United States Department of Health and Human Services, one of the United States federal executive departments.



Q2: Why does misinformation travel within the network?





SOCIAL PROOF

EFFECTIVE MESSAGING

Q2: Why does misinformation travel within the network?



SOCIAL PROOF

Network of users in three anti-fluoride Facebook Groups

Study 1: Social Proof

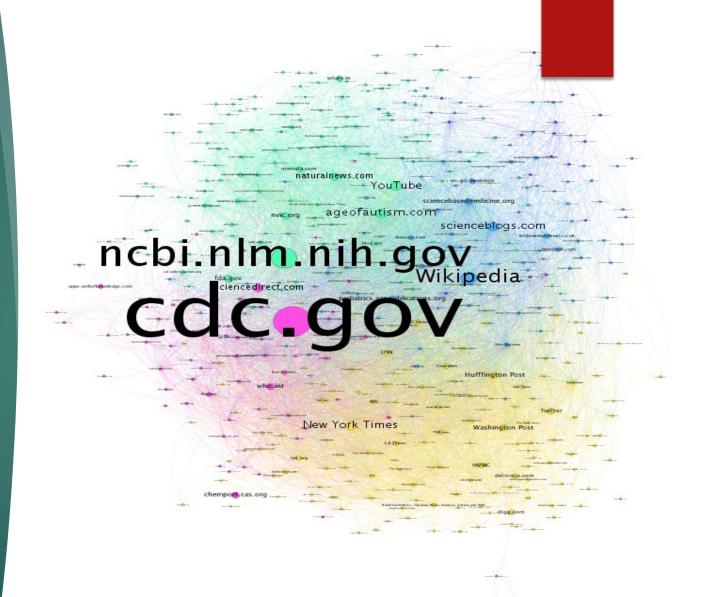
Q2: Why does misinformation travel within the network?



EFFECTIVE MESSAGING

Study 2: Online Network of Vaccine Information

Vaccine-Hesitant
Public Health
Pro-Vaccine
Mainstream Media



How does effective messaging move information?

Sentiment of Tweeter	Total Users	Average Twitter Followers	% Users with followers above the mean
Pro-Vaccine	328	56,080	53%
Vaccine- Hesitant	147	20,575	39%

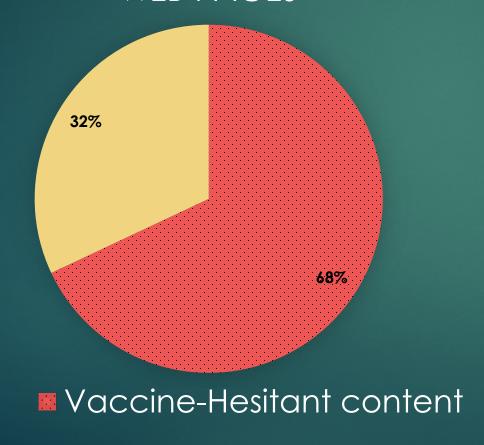
Pro-vaccine users are 10% more likely to have followers above the mean (p = 0.024)

How does effective messaging move information?

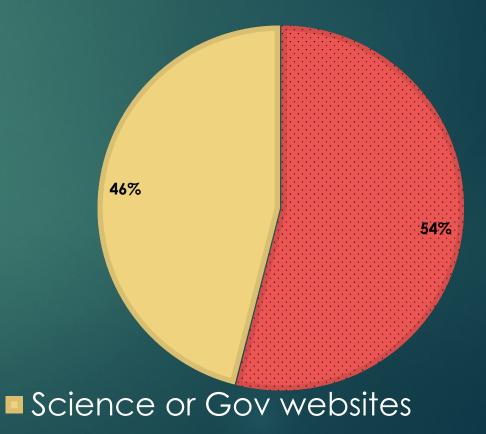
Web Community	Total Twitter Shares	% Total
Pro-Vaccine	39	8%
Vaccine-Hesitant	146	28%
Public Health	141	27%
Mainstream Media	191	37%

How does effective messaging move information?

LINKS ON VACCINE-HESITANT WEB PAGES



TWITTER SHARES BY VACCINE-HESITANT USERS



Why does vaccine-hesitant messaging move?

 "Anti-Vaxxers are thriving – because we live in a fact-phobic wild west" – Zoe Williams, The Guardian

https://www.theguardian.com/commentisfree/2019/jan/25/anti-vaxxers-social-media-vaccine-climate-change

 "Dr. Peter J. Hotez: 'A Scary Anti-Science Movement Has Become Very Strong in Texas' – Andy Langer, Texas Monthly

https://www.texasmonthly.com/podcast/peter-j-hotez-scary-anti-science-movement-strong-texas/

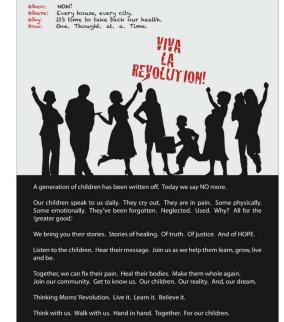
"People Who Don't Vaccinate Their Kids Are Selfish: I understand that some can't because of medical reasons, but the rest don't seem to care that they're damaging public health" – Jinny Suh, Cosmopolitan

https://www.cosmopolitan.com/politics/a9256115/vaccinations-mandate-anti-vaxxers-selfish/

Why does vaccine-hesitant messaging move?

- "Protecting the Health of 7 Billion people on the planet (National Health Federation).
- "A group of ducks is known as a team, which is exactly what the autism community needs" (Safeminds.com).





Conclusions

Despite minority status, vaccine-hesitant narratives persist in information networks

▶ Both peer-reviewed science and collective language are common among vaccine-hesitant activists.

▶ These frames are used for resource mobilization and to shield from harm, humiliation, and discontent; both help to move information through the network as others look for the same.

Thank you!

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The Risks of Misinformation in the Age of Online Social Networks

Amelia Burke-Garcia, PhD Amy Leader, PhD

February 14, 2020



Social Media Has Radically Transformed Today's Communication Landscape





50 percent of Internet users report that they hear about the latest news via social media before ever hearing about it on a news station.



An average user will only read an article for 15 seconds or less and the average video watch time online is 10 seconds.

This is Influencing How Information is Communicated and Misinformation is Spread





Social media users tend to promote their favorite narratives, form polarized groups and resist information that doesn't conform to their beliefs.

"Falsehood diffused significantly farther, faster, deeper, and more broadly than the truth in all categories of information."

~Sinan Aral, Massachusetts Institute of Technology The age of social media has enabled a new era of creators...
It's a new world of heavily opinionated content.



But What Is An "Online Influencer" Anyway & Why Are They So... Influential?



Opinion leadership is based on the premise that most people form their opinions under the influence of others whom they hold in high esteem.





And with the advent of social media, these opinion leaders have migrated online.



Influencer marketing is booming – between 2017 and 2019, companies will have increased their spending on social media influencers by around 250%, up to a whopping \$2.4B in 2019.

Not All Influencers Are Created Equal









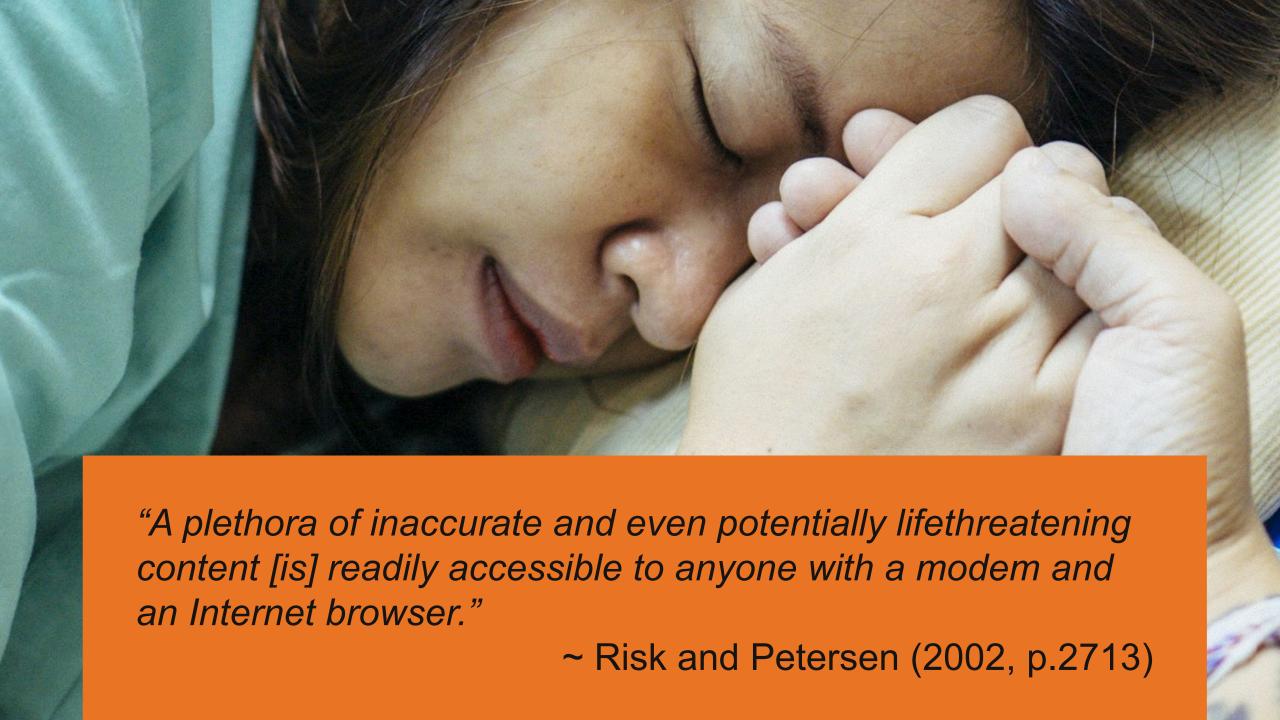
"Online influencers are everyday people who are incredibly influential within their online social networks. What makes them so unique however is the medium in which they operate and wield this influence. While you could argue that lots of everyday people are influential to us, these online opinion leaders are especially influential because they have established online profiles, talk about a topic or set of topics they are familiar with, and have a cohort of followers who trust their thoughts, opinions, and perspectives."

~Amelia Burke-Garcia, Influencing Health



Interpersonal relationships are made up of both strong and weak ties.









The Internet plays a large role in disseminating anti-vaccination information.







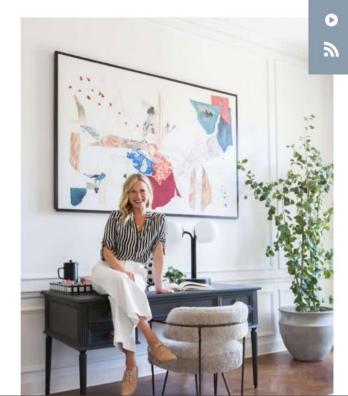
STYLE . PLAY . EVERY DAY

BLOG SHOP GIFT GUIDES ROOMS PROJECTS TEAM ABOUT SEARCH

THE PAINTED TRIM - HIGH IMPACT, LOW COST (ONE GIRL'S JOURNEY + ALL THE TIPS & TRICKS)

by Sara Tramp





0

"How do we, as public health professionals – the weak ties with these online communities – build relationships with and successfully leverage these trusted voices – who have strong ties with their followers – to share new, accurate, evidence-based information and ultimately, impact lives for the better?"



The Study: Exploratory
Research with
Online Influencers Who Are
Anti-Vaccinators



Recruitment

- Participants were recruited via a network of online influencers called The Motherhood
- The Motherhood is a network comprised of approximately 3,000 bloggers and influencers which are comprised of a mix of race/ethnicities and geographically diverse
- To identify non-vaccinators within this network, the following screening questions were used:
 - If your doctor recommends a vaccine for your child, how likely are you to get it?
 - Do you write about your position on vaccinations on your blog or social media?





Data Collection

- We collected the following demographic data:
 - Age of the mother and the age and gender of each child
 - Mother's race and ethnicity, marital status, educational attainment, state of residence, whether she
 resided in an urban, suburban or rural community
 - When the blogger started blogging and her frequency of posting
- The interview guide was divided into three parts:
 - Discussions about their experiences with blogging
 - Discussions about their experiences with vaccination
 - Discussions about their perceptions of risk and autonomy
- We ended the interview by asking:
 - Are there any credible arguments in favor of vaccination?
 - What do they wish those who favor vaccination would stop saying about those who are against vaccination?



Sample Characteristics

- The final sample for this study was 15 influencers
- All of them were women and married (n=15)
- The majority of them were Caucasian (n=13)
- The age range for the sample 27 years old to 53 years old, with the average age being 39 years old
- The sample included a mix of education levels, although most were well-educated (college or above & 2 had PhDs)
- There was a mix of geographic locations & level of urbanicity
 - Most lived in rural areas; in fact, some reported living in remote areas
 - Yet, despite this, all participants appeared well connected socially
- The majority of the participants reported being Christian
- Finally, all had pretty stable childhoods, having reported that they had what you might call "traditional American upbringings"



What We Learned

There were 4 main themes that emerged from the research:

Traditional
Messengers are
Not as Effective as
They Once Were

The Old
Communication &
Messaging Do Not
Work Anymore

Technology
Supports &
Amplifies These
Beliefs

The Conversation about Risk is Multifaceted



Theme #1: Traditional Messengers are Not as Effective as They Once Were

- Today, parents have access to an overwhelming amount of information whether accurate or not
- Parents will network with other parents to gather vaccination-related information
- In some cases, parents feel that they are more knowledgeable about vaccines – and their children – than pediatricians
 - Parents feel that they should be making vaccination decisions for their child and pediatricians are there to support their decisions
- They will also network with other parents to find pediatricians who align with their vaccination views

"I'm not just gonna be told by an expert in the medical field that this is an important shot."



Theme #2: The Old Communication & Messaging Do Not Work Anymore

- Some of the traditional messages that have been used have tended to focus on:
 - Altruistic reasons for getting vaccinated
 - The benefits of herd immunity
 - The risk of the disease
- These messages do not resonate with this group of parents
- We are also living in a customizable reality now
 - We have targeted ads
 - And video on-demand
 - And precision medicine
- So the one-size-fits-all approach of vaccination raises questions for these parents
 - Want customized vaccines
 - Want "clean" vaccines
- The current messaging is also leading to feelings of polarization & alienation within this community

"I think parents
have a right to do
what they feel is
best for their
child and their
home, not really
keeping in mind
the community
aspect."

at the UNIVERSITY of CHICAGO

Theme #3: Technology Supports & Amplifies These Beliefs

- Supporting these beliefs are tech advancements that:
 - Support alternative science
 - The advent of genetic testing technologies like 23&me means that genetic profiles can be accessed, downloaded and analyzed by any number of applications
 - This audience is using this technology to identify so-called predispositions for vaccine injury and justify non-vaccination
 - Support alternative information
 - This audience seeks out sources that support their own beliefs
 - They actively avoid sources that they think might be "biased"
 - Google and Pinterest's decision to remove or lower the prominence of certain posts/websites if they are questionable sources was seen as censorship to them
 - As well, they just seek out alternative methods for accessing the information they are trying to find
 - "Duck, Duck, Go" search engine

"I go [to
Facebook]
because I know I
can't go to
Google and
search
something,
because it's
censored, and I'm
not going to find
true information."



Theme #4: The Conversation about Risk is Complex & Multifaceted

- Perceptions of risk are not simple or straight forward within this group
 - This audience weighs the risk of the disease against the risk of the vaccine
 - Almost always, the risk of the vaccine outweighs the risk of the disease
- These parents argue that they love their own kids and their primary goal is to protect their own child first
- Thus, there is a fundamental ideological shift going on between the importance of the community versus the importance of the individual
 - The individual trumps the community

"I've weighed the risk: the known risk of HPV against what I see as the unknown risk of the vaccination."



Key Take Aways

- Social media is a powerful force for health communication and messaging
 - The way it works though supports the broad circulation of misinformation
- For health, this has life and death implications
 - Specifically, vaccination is a vital public health issue where we have seen this play out for decades
- Working with influencers can help this
 - But the public health community needs to adapt their communication strategies to incorporate influencers into their planning and programs
 - We need to understand their pain points in order to figure out how to address them
- Ultimately, we need new messages AND new messengers
 - The public health community must recognize the importance of these trusted online voices
 - We must work with them to change behavior for the better with communities across the U.S. and globally



Future Directions

- Our work is not done yet! Moving forward, we intend to:
 - Conduct additional research with online influencers with a wide variety of perspectives about vaccination (pro-, hesitant, and non-vaccinating)
 - Develop new messages that are developed and adapted through user-centered design, working in collaboration with these established online influencers as trusted sources using a community-based participatory approach
 - Design a communication intervention to test the effects of these messages on the followers of these influencers
 - Assess influencer and follower reactions to these messages using:
 - Qualitative interviews with the influencers themselves
 - A survey of the followers
 - Analysis of the blog/social media post content
 - Analysis of social media comments



Sources

- https://www.meltwater.com/blog/pr-and-marketing-trends-what-the-changing-medialandscape-means-for-brands/
- https://time.com/3858309/attention-spans-goldfish/
- https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2795110
- https://science.sciencemag.org/content/359/6380/1146.full
- https://www.socialbakers.com/blog/fake-social-media-influencers
- https://www.vice.com/en_us/article/qjdvvd/a-disturbing-number-of-people-think-coronavirus-is-related-to-corona-beer?utm_source=vicefbus
- https://www.sciencedirect.com/science/article/pii/S0264410X09019264
- https://www.who.int/news-room/feature-stories/ten-threats-to-global-health-in-2019
- https://stylebyemilyhenderson.com/blog/7-things-learned-posting-photo-obama-random-saturday-night-losing-4k-instagram-followers
- https://www.amazon.com/Influencing-Health-Comprehensive-Working-Influencers/dp/0367249928



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Thank You!







Vaccine Information in a "Post-Fact" World

Rupali J. Limaye, PhD, MPH, MA

Department of International Health
Department of Epidemiology
Department of Health, Behavior & Society
Associate Director, Institute for Vaccine Safety

Johns Hopkins Bloomberg School of Public Health

Roadmap

- Where are people getting their vaccine information?
- Why are people choosing the sources they choose to obtain vaccine information?
- What are the implications of people seeking vaccine information in the sources that they do?
- **How** should providers engage online?



Where are people getting their vaccine information?

Social media and vaccine information

- We live in post-fact world: objective facts are less influential in shaping public opinion than appeals to emotion/personal belief
- Everyone is an expert in Web 2.0 health care
- The Internet was named as one of the most preferred places to get vaccine information (uncertainty)
- With the popularity of social media networks and "Mommy Blogs", parents are increasingly seeking vaccine information on these user-generated platforms, and parents with vaccine safety concerns and those who delay/refuse vaccines are more likely to seek health information online

Gust, D., Brown, C., Sheedy, K., Hibbs, B., Weaver, D., & Nowak, G. (2005). Immunization attitudes and beliefs among parents: beyond a dichotomous perspective. *American journal of health behavior*, 29(1), 81-92.

Kata, A. (2010). A postmodern Pandora's box: anti-vaccination misinformation on the Internet. Vaccine, 28(7), 1709-1716.



Why are people choosing the sources they choose to obtain vaccine information?

Trust and democratic exchange

- Providers report increasing challenges to building a trustful relationship with patients within the vaccine context
- Trust in providers generally has been declining
- Communication strategies that providers employ during conversations about vaccines are important in establishing trust
- Because content is user-generated, information sharing is seen as more democratic on social media, creating echo chambers within networks

Yaqub, O., Castle-Clarke, S., Sevdalis, N., & Chataway, J. (2014). Attitudes to vaccination: a critical review. *Social science & medicine*, 112, 1-11. Holroyd, T., Oloko, O., Omer, S.B., Salmon, D.A., Limaye, R.J. (In press). Communicating Recommendations in Public Health Emergencies: The Role Of Public Health Authorities. *Health Security*.



What are the implications of people seeking vaccine information in the sources that they do?

Misinformation and Disinformation

Dictionary.com's 2018 Word of the Year: Misinformation

- When people spread misinformation, they often believe the information they are sharing
- Disinformation is crafted and disseminated with the intent to mislead others
- Example: If a politician strategically spreads information that they know to be false in the form of articles, photos, memes, etc., that's *disinformation*. When an individual sees this disinformation, believes it, and then shares it, that's *misinformation*.



Why are we seeing more misinformation and disinformation?

- While the participatory nature of social media enables information exchange, it simultaneously increases the possibility of rapid dissemination of inaccurate health information
- No vetting/fact-checking of information
- Proliferation of influence bots: anonymous, automated agents unattached to a real individual and sharing disinformation

Witteman, H. O., & Zikmund-Fisher, B. J. (2012). The defining characteristics of Web 2.0 and their potential influence in the online vaccination debate. *Vaccine*, 30(25), 3734-3740.



How should providers engage online?

1. Do not correct misperceptions

- The instinctive response to vaccine-related misinformation is to provide correct information, but this approach can backfire
- When discussing a controversial topic, presenting a message challenging an individual's pre-existing beliefs may lead them to supporting their original opinion even more

Omer, S. B., Amin, A. B., Limaye, R. J. (2017). Communicating about Vaccines in a "Post-Fact" World. JAMA Pediatrics, 171 (10), 929-930



2. Tap into the availability heuristic

- Availability heuristic: describes our propensity to estimate the probability of an event based on how easily an instance of that event comes to mind
 - People tend to overestimate the importance of information that is available to them
 - Example: A person may argue that smoking is not unhealthy because they know someone who smoked two packs a day and lived to 100

Omer, S. B., Amin, A. B., Limaye, R. J. (2017). Communicating about Vaccines in a "Post-Fact" World. JAMA Pediatrics, 171 (10), 929-930

3. Focus on the disease

• Pivot the conversation to the disease, including the risks of acquiring the disease, itself

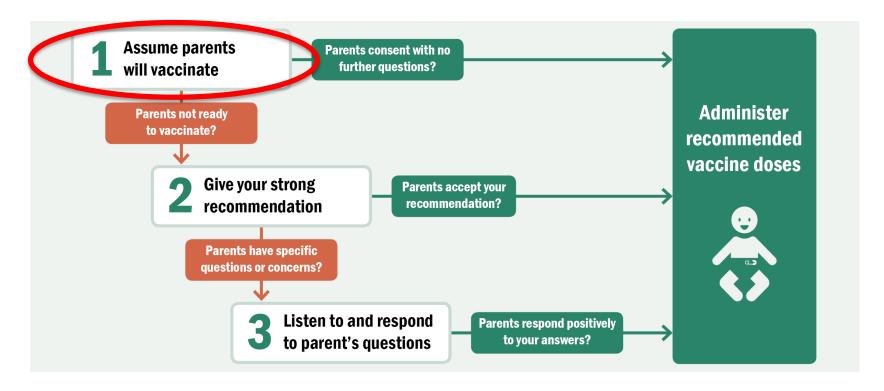


Omer, S. B., Amin, A. B., Limaye, R. J. (2017). Communicating about Vaccines in a "Post-Fact" World. *JAMA Pediatrics*, 171 (10), 929-930 Source: Centers for Disease Control



4. Use nudges/defaults

• Use presumptive communication as the default



Omer, S. B., Amin, A. B., Limaye, R. J. (2017). Communicating about Vaccines in a "Post-Fact" World. *JAMA Pediatrics*, 171 (10), 929-930 Source: Centers for Disease Control



Example of A Story Arc for Providers using a Social/Behavioral Pathway Approach

Establish trust	Convey empathy about	Pivot to disease risk (severity and	Enhance self-efficacy to protect	Call to action	Personal/ normative appeal
	vaccine	susceptibility)	from		
	concern	and salience	vaccine		
			preventable		
			disease		

Dudley, M. Z., Salmon, D. A., Halsey, N. A., Orenstein, W. A., Limaye, R. J., O'Leary, S. T., & Omer, S. B. (2019). *The Clinician's Vaccine Safety Resource Guide Optimizing Prevention of Vaccine-Preventable Diseases Across the Lifespan*. New York: Springer.





Social Media and the Health Professional

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National Vaccine Advisory Committee Meeting February 14, 2020 Washington, D.C.

Disclosures

None relevant to this talk



Agenda

- How we think about social media
- My motivation as a health professional
- Challenges we face





https://kclpolitics.org/2018/08/28/social-movements-and-asymmetrical-warfare-in-an-information-era/



How do you think about social media?

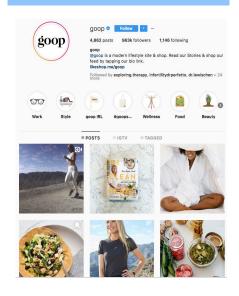
This?



Or this?



What about this?





How do you think about social media?

How about this?



Or this?



What about this?





Medicine and social media









The rise of the nursefluencer

The doctor will fave you now.

By Rebecca Jennings | @rebexxxxa | May 10, 2019, 11:00am EDT

Influencers versus spokespeople



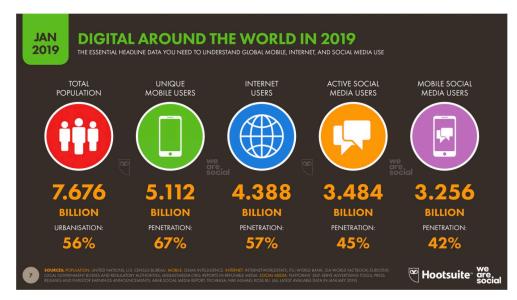
You're probably already using social media

Not just Twitter, Facebook, Instagram, Snapchat, LinkedIn,

etc.

But also:

- Wikipedia
- YouTube
- Yelp

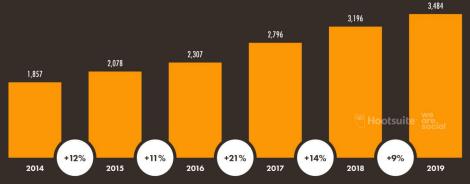


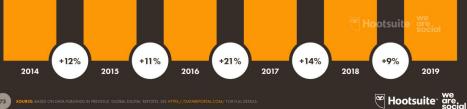


JAN 2019

SOCIAL MEDIA USERS OVER TIME

NUMBER OF SOCIAL MEDIA USERS (IN MILLIONS), WITH YEAR-ON-YEAR CHANGE









JAN 2019

SOCIAL MEDIA BEHAVIOURS

HOW INTERNET USERS ENGAGE WITH SOCIAL MEDIA [SURVEY BASED]



ACTIVELY ENGAGED WITH OR CONTRIBUTED TO SOCIAL MEDIA IN THE PAST MONTH

AVERAGE AMOUNT OF TIME PER DAY SPENT USING SOCIAL MEDIA

AVERAGE NUMBER OF SOCIAL MEDIA ACCOUNTS PER INTERNET USER*





VISITED OR USED A SOCIAL







2H 16M

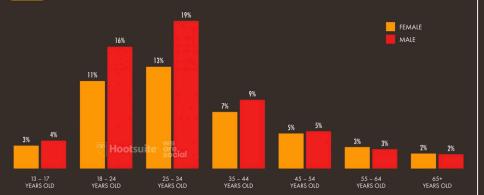






JAN **SOCIAL MEDIA AUDIENCE PROFILE** 2019

BASED ON THE COMBINED ADVERTISING AUDIENCES OF FACEBOOK, INSTAGRAM, AND FACEBOOK MESSENGER



2019

CHANGE IN ACTIVE USERS BY SOCIAL PLATFORM

QUARTER-ON-QUARTER CHANGE IN THE NUMBER OF ACTIVE USERS." REPORTED BY EACH SOCIAL PLATFORM



FACEBOOK







INSTAGRAM

















What motivated me?

- Meeting patients where medical information is encountered and health knowledge is sought
- Being an accurate source of health information
- Humanizing the profession



But this is the world we live in



bris from the

"...#1 New York Times bestselling author [of multiple books who] was born with the unique ability to converse with Spirit of Compassion who provides him with extraordinarily accurate health information that's often far ahead of its time."



JANUARY 09, 2019

As medical misinformation infects the internet, doctors seek a cure

Online advice has proven dangerous and, in some cases, even deadly. And it poses serious questions for patients and professionals



BY JOHN KOPP PhillyVoice Staff









'WE'RE COMPELLED BY STORIES'

In his latest book, titled "Bad Advice," Offit wrote that the problem isn't that there's so much conflicting information out there. Rather, it's that there is so much misleading information. And without a medical background, it can be challenging to differentiate between the two.

If a parent wanted to thoroughly research the effects of the chicken pox vaccine, they would need to read several hundred medical papers, Offit said. And that would require them to have knowledge in all sorts of areas - virology, immunology, epidemiology and clinical medicine, among others.

The vast majority neither have the knowledge, nor the time, to do so.

That's why both the the CDC and the American Academy of Pediatric have advisory boards filled with experts who can read those papers and make appropriate recommendations. As unpopular as it may be, Offit urged people to trust them.

"That is just not a message that sells in the 21st century – 'Trust us, we're the experts,'" Offit said.

Only 34 percent of Americans express great confidence in medical leaders, according to The New York Times. That's down from more than 75 percent in 1966.

What I discovered

Erroneous information is easily perpetuated on social media

Clinicians (and thought leaders) need to be on social media to be heard or risk having narrative told by others

Clinicians need incentives to participate in public dialogue to impact public health

What I discovered

Clinicians also need guidance on how to responsibly and effectively use social media to prevent further erosion of trust in healthcare



FAST @MPANY

00.20

I study vaccine misinformation. Big tech must do more to fight it

Facebook, Twitter, and Pinterest have made inroads in preventing their platforms from being overrun with disinformation. But more change is still needed.

By Ana Santos Rutschman at SLU

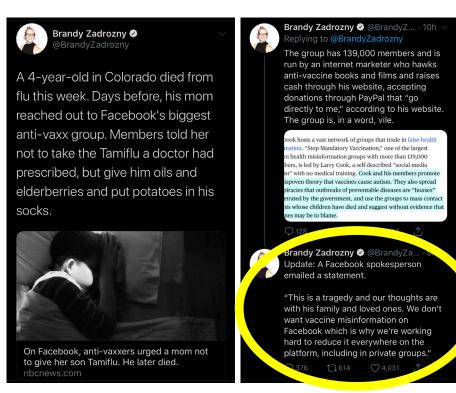
MALICIOUS BOTS TARGETING VACCINE INFO

Bots account for a large percentage of online activity overall. Calculations suggest that between 40% and 52% of all internet traffic is automated. A study analyzing online bot activity in 2018 estimated that 20.4% of bots were malicious. Researchers estimate that between 9% and 15% of active Twitter accounts, for instance, are run by bots, instead of people.

A 2018 study analyzing Twitter data examined the role of bots and Russian trolls in spreading vaccine misinformation. Researchers looked at over 1.7 million vaccine-related tweets between July 2014 and September 2017. Accounts associated with these two categories tweeted at a higher rate about vaccines than average users. While there are no published studies about other social media, researchers have warned of similar activity on Facebook and YouTube.

2019: Social media platforms taking action

- Pinterest removed all vaccine content, reintroduced content from CDC, WHO, AAP
- Facebook removing antivaccine ads and content
- YouTube removing antivaccine ads, promoting provaccine content



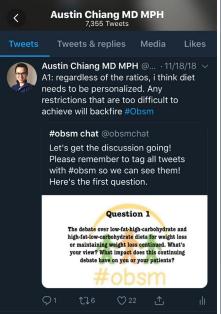
Feb. 6, 2020



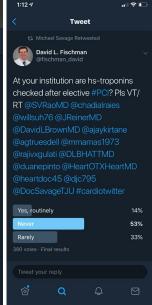
Twitter



Twitter chats



Polls



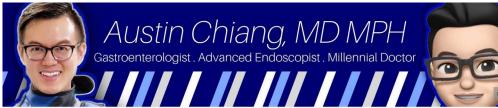














Austin Chiang MD MPH

PLAYLISTS

COMMUNITY

CUSTOMIZE CHANNEL

YOUTUBE STUDIO

Popular uploads



▶ PLAY ALL



GI DOCTOR reacts to Grey's Anatomy | Pancreatic cancer

17K views • 6 months ago



A DAY IN THE LIFE of a Doctor: Gastroenterologist ...

15K views • 6 months ago



MED SCHOOL Interview, RESIDENCY Interview: TIPS...

11K views • 5 months ago



Real doctor reacts to HOUSE M.D. | Bleeding stomach an...

9.8K views • 5 months ago



WHY GASTROENTEROLOGY | TOP 5 reasons why I chose ...

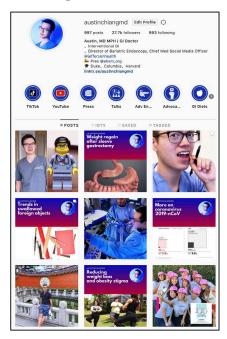
5.1K views • 10 months ago



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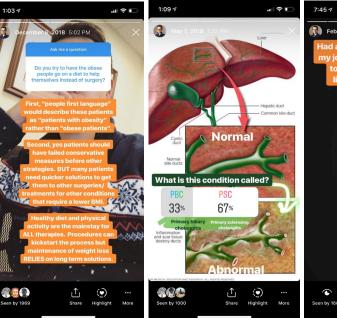


Instagram





Q&A Polls IG Live









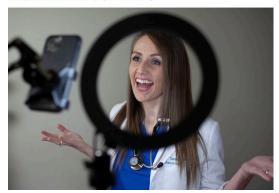




The New York Times

 $Doctors\ on\ TikTok\ Try\ to\ Go\ Viral$

They have M.D.s, but are they up for this challenge?



Ignoring the platform isn't an option, especially given the prevalence of disinformation on the app, Dr. Chiang said. Two of his more popular posts have countered the use of essential oils to cure diseases and exposed the failings of the celery juice fad diet.

Men'sHealth

TikDocs Are Using TikTok to Spread the Word About Sex Ed and Vaccinations

These doctors are making health fun and meme-able, for a change.





Telling a teen about vaping, birth control, what happens when a condom breaks, and even vaccines is sure to get you an OK, Boomer look.



Platform vs. Purpose vs. Audience

Platform	Purpose	Audience
Twitter	Academic discussion, education, self expression, networking	Colleagues, trainees, patients
Instagram	Education, creative expression, marketing	Colleagues, public/patients
Facebook f	Marketing, community building	Patients
LinkedIn in	Professional networking, showcase	Colleagues
YouTube	Education, creative expression	Public/Patients
TikTok	Education, creative expression	Public/Patients
Reddit 👶	Discussion	Public/Patients



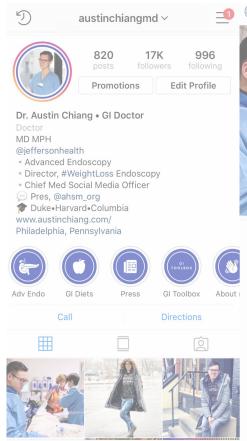
Getting started = getting into a marketing, communications, PR mindset

- A leap of faith
- Good branding
- Audience identification
- Social engagement
- Finding a role model



Optimization strategies

- Hashtag utilization
 - Hashtag campaigns
- Collaborations
- Cross platform promotion
- Analytics/self-reflection
- Google Ads
- Maximize platform features





accomplishments is important, but overplaying certain items comes across as disingenuous. Listing abstracts in the same section as publications because they were printed in a journal is one such

are critical. This is a tight knit community and leaders in the field are putting their reputation on the line to vouch for certain applicants. If you don't have a recommendation from the premier advanced endoscopist from your fellowship, that's a red flag!

CV: Please format your CV in a way that is easy to read. I prefer seeing a list of publications all in one place, rather than reading paragraphs of each research project, and searching for its current status. Unlike ERAS, this is more traditional in how there's no standardized format.

Personal statement: Honestly not as important at this super-specialized stage (maybe more important for general GI). You wouldn't be paying to apply if you can possibly say. Plus, even though advanced endoscopy is super-specialized, expecting to learn sub-sub-subspecialty techniques like endobariatrics and third space endoscopy should not be the focus on your application. This year is meant to master therapeutic EUS and ERCP skills first and foremost (believe me, EUS takes years to master).

Benefits of health professional social media use

For PROFESSIONAL:

Journals, societies, news:

Stay ahead and be notified in real time

Discussion:

Don't miss out on the online conversation

Networking:

Meet and talk to peers/leaders in your field

For OTHERS:

Marketing, Education, Recruitment:

Promote what you do and recruit patients

Combat physician rating sites:

Online platforms can show up earlier on Google

Institution:

Indirectly boost institution reputation

Humanizing the profession



Challenges of social media use

Protecting patient privacy, HIPAA

Avoiding individualized medical advice

Sponsored content, conflicts of interest

Professionalism concerns

Misrepresentation/Misleading the public

Psychological strain

Consistency and time commitment

Personal safety and well-being



Nurses and doctors are flocking to TikTok to crack jokes and lip sync. But are they eroding patients' trust?

By Scottle Andrew, CNN
Updated 5:06 AM ET, Sat January 18, 2020

BUSINESS INSIDER

The 9 best nurse TikTok accounts to follow right now for great health tips and a good laugh







Risks of social media use

Protecting patient privacy, HIPAA

Avoiding individualized medical advice

Sponsored content, conflicts of interest

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Pediatrician gets DEATH THREATS after posting a pro-vaccination video on TikTok reassuring young people that they don't cause autism

- Dr. Nicole Baldwin shows young people what getting vaccinated can prevent in a video shared on social media last Saturday
- The doctor dances to Cupid Shuffle and says vaccines prevent' measles, polio, influenza, pertussis, hepatitis, HPV, meningitis, mumps, among other things
- She says at the end of the clip that vaccines don't cause autism
- · Anti-vaxxers responded with bad reviews on Google and Yelp, and threatened to shut down The Blue Ash in Cincinnati. Ohio, where she has a satellite office
- 'Dr. Baldwin said: 'It has taken a team working around the clock to ban over 5000 attackers from my Facebook page alone'



THE KIDS PLUS ANTI-ANTI-VAXX TOOLKIT

strategy guide to prepare for, defend against, lean up after a Facebook anti-vaxx attack.

Another project to emerge from our attack is the Kids Plus Anti-Anti-Vaxx Toolkit, a comprehensive strategy quide that contains all the lessons we learned from fighting off our attack, and all the things we wish we'd known before it happened

With a complete case study for context, plus a complete, step-by-step battle plan for what to do (and when and how to do it) the Toolkit provides everything you need to know to prepare for defend against, and clean up after an anti-vaxx attack on your Facebook page



DOWNLOAD



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Take home points

- Social media use by health professionals may redirect public to accurate sources
- Social media is a critical in public health messaging
- Social media may play a role in shaping perception of health professionals
- Risks and concerns constantly evolving with platforms
- More incentives and guidance necessary



Additional guidance

- NEW: Association for Healthcare Social Media
 - www.ahsm.org









NEW YORKER



"Bile exits the gallbladder, passes through the cystic duct, gets released into the intestines, and, ultimately, winds up on the Internet."

August 15, 2018



Thank you!





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