

Social Media Monitoring for Radiation/Nuclear Incidents



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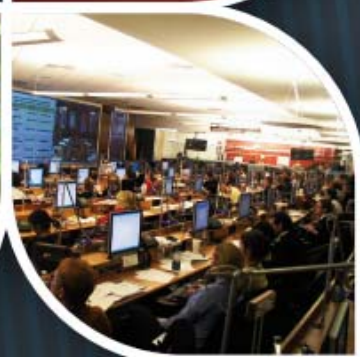
OVERVIEW

- Brief background
 - *Why should Public Health be monitoring?*
- Key topics to anticipate
 - *Immediately after announcement of registry*
 - *Mid- to Long-term*
- Leveraging external resources

NOT COVERED TODAY

- Tools, tips and monitoring strategies to find relevant info
 - o e.g., building multiple Boolean queries, free/subscription search tools
- Risk communication strategies
- Verification / authentication of online information

Public Health Emergency Preparedness and Response Capabilities



National Standards for
State, Local, Tribal, and
Territorial Public Health

October 2018

Updated January 2019



Centers for Disease
Control and Prevention
Center for Preparedness
and Response

- “Social Media” mentioned 24 times in 2018 update
- Only mentioned 5 times in 2011 version
- All focused on pushing out information only

Purpose of Monitoring Social Media

Provide relevant, verifiable and actionable information to Incident Command System (ICS) leadership

Social Media Monitoring Team

Trained agency or external staff mobilized during emergencies to monitor social media in support of incident objectives.

Operationalizing SM Monitoring / Listening

Input User-Defined Search Parameters

(Topics, hashtags, people, events)



Analysis / Visualization Tools

(Filter, analyze for relevant info using variety of software)



Human Analysis

(Validate and determine if info requires leadership attention)



Reporting

(Provide ICS Leadership reports in easily consumable format)

Government Use of Social Media has to be **Bidirectional**

While outbound risk communication is critical...Listening is just as important!

OUTBOUND Social Media

(aka pushing out messages)

- 1. Provide Public Situational Awareness**
 - What you know and do not know
 - Take control of the story quickly
 - Minimize opportunity for rumors
- 2. Build Public Credibility/Trust**
 - Establish audience before emergency
- 3. Direct Engagement with the Community**

INBOUND Social Media *(aka monitoring/consuming)*

- 1. Situational Awareness**
 - Latest developments, pics, videos, public and media commentary
- 2. Assess How Well or Poorly Messages are Getting Across**
 - Instant feedback
 - Unanswered questions or confusion
 - Reach of public messaging
- 3. Rumor, Misinformation and Reputation Control**
 - Identify and dispel rumors and misinformation
 - *Not just public, but media outlets*
 - Respond to questions and mentions
 - Opinions on agency response operations or services offered

Initial Announcement of Health Registry

Unified Command and Communications

- Single agency should be responsible for all messaging regarding the registry (online and off).
- Other agencies/partners should support by retweeting/reposting and not trying to create unique language.
- Partnering with non-government experts/organizations will help credibility
 - Have doctors speak, not government officials
 - Encourage community and faith partners (who are more trusted) to amplify official messaging



Social Media Expectations After Health Registry Announcement

Even with most thorough announcements and FAQs, there will be continued need for clarity on:

- *General understanding of radiation risks and how contamination works.*
- *What kind of diseases are people at risk for?*
- *Who is eligible?*
- *Free healthcare? Insurance needed?*
- *Financial compensation?*

NOTE: all communication should be coordinated with news media and healthcare system partners

Anticipated Communication Challenges***

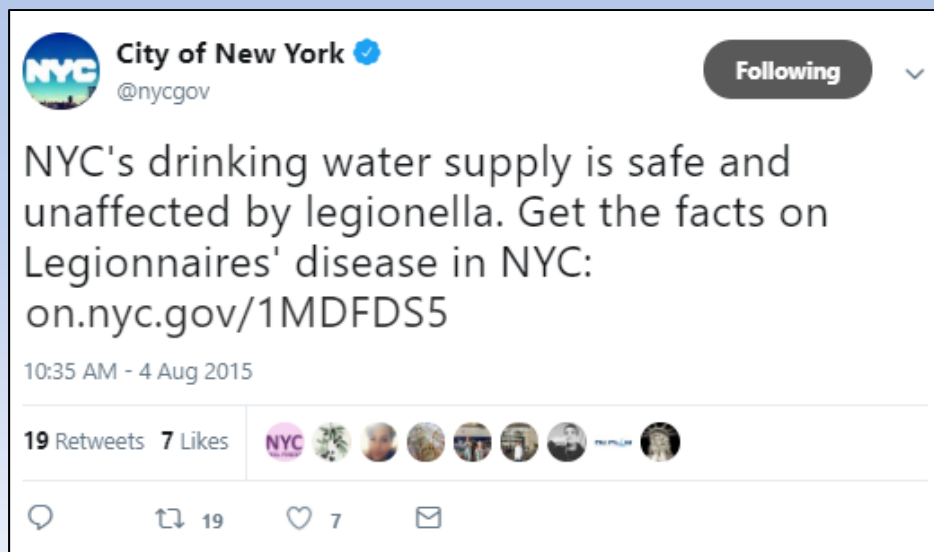
- Difficulty understanding radiation dose units
- Radiation-related cancer risk is dependent on so many other factors:
 - *age / remaining life span*
 - *exposure to other cancer-causing agents (like smoking)*
 - *comorbid conditions*

Responding to Public Inquiries About Registry

- Large volume of agency/registry mentions make it very difficult to reply directly to every individual.
- Monitoring for trends of questions, concerns or misinformation will inform what key points need to be clarified and/or repeated.
- Repetition of messages on social media is required, but careful not to overcommunicate.
- Do consider replying or addressing major “influencers” whose content gets significant attention

Counter Dangerous Rumors / Misinformation

Reply directly to influencers (individuals and news media) that may be promoting intentional or unintentional misinformation with facts and links.



Fake Radiation “Cures” or “Prevention”

- Scammers taking advantage of fear trying to sell fake remedies
- Others just push myths

Examples of Misinformation During NYC Legionnaires' Outbreak



Don't worry. We kept our distance. Don't want to get Legionnaires' disease.



Im Mich
@Uncle_Michie



That Legionnaires Disease That Passing Around In The Bronx Is Spreading Through The Air

3:38 PM - Aug 12, 2015



See Im Mich's other Tweets



Dan DeFrancesco
@dandefrancesco



Drop of water from an AC unit landed on my head today walking to work...so basically I'm dead. #Legionnaires

10:11 AM - Aug 4, 2015



See Dan DeFrancesco's other Tweets



Dreadlock Rasta
@Ras_Lon



this is air born. we're [REDACTED]. New York legionnaires' disease outbreak leaves seven dead, officials say gu.com/p/4b8aj/stw

10:27 AM - Aug 4, 2015



See Dreadlock Rasta's other Tweets



Expect Mistrust of Government

- Particularly with health data
- Conspiracy theories
- No need to respond to every one - just awareness



Furious Nurse
@Furiousnurse



WHOA WHOA WHOA

Bronx sprayed with bacteria against west nile 3 days before legionnaires outbreak - investmentwatchblog.com/bronx-sprayed-...

♡ 5 11:39 AM - Aug 4, 2015



See Furious Nurse's other Tweets



Bronx sprayed with bacteria against west nile 3 days before ...

investmentwatchblog

4 hours ago ... The Bronx was sprayed July 7,8,9 on the 10th the legionnaires outbreak began..

what I find odd is only 5 buildings tested positive bur none of ...



Jodi B X
@JodiBenedict



Alert! Bronx Sprayed Bacteria Against West Nile 3 Days Before Legionnaires Outbreak | DAHBOO777 youtu.be/4k0DU-p4FWE

♡ 11:29 AM - Aug 4, 2015



See Jodi B X's other Tweets



Protecting Agency Reputation

- Similar to rumors / misinformation about the scenario, individuals and media may have negative things to say about how the agency is handling a situation.



POLITICO New York 

@politicony



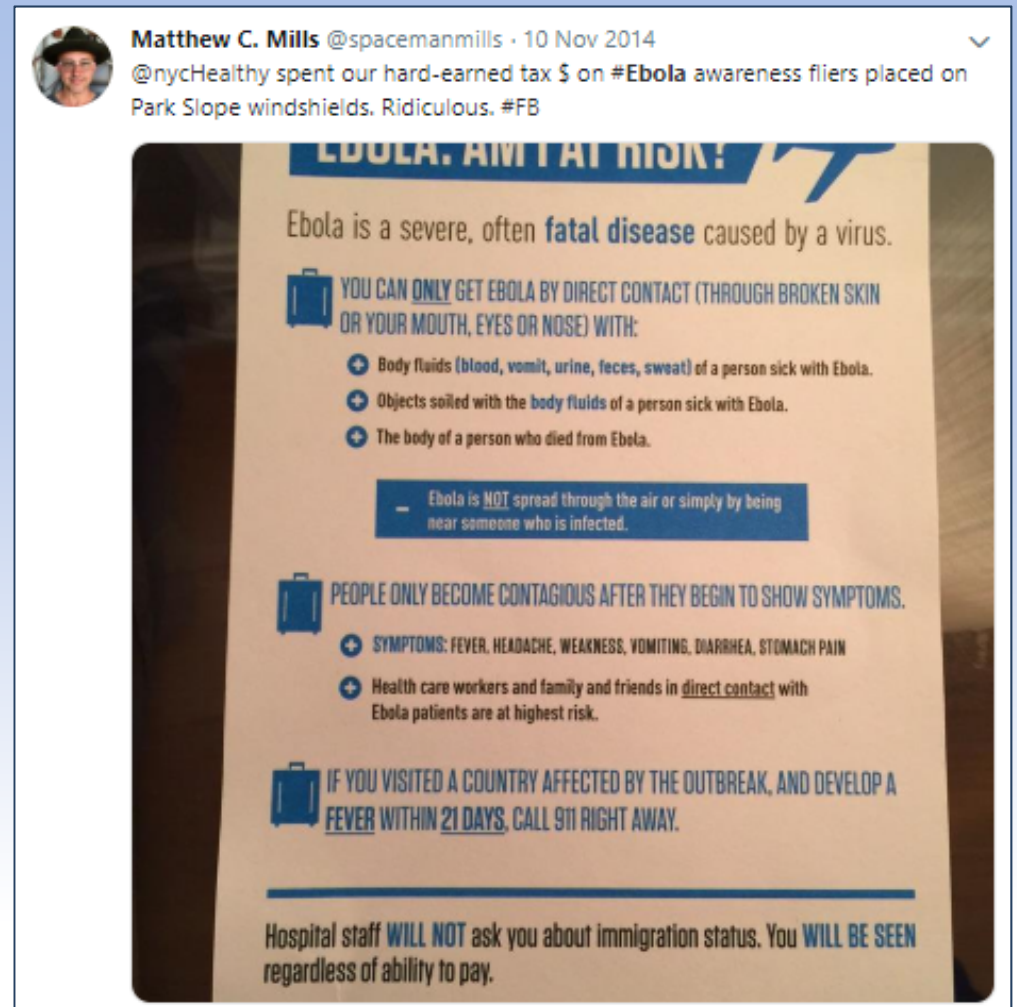
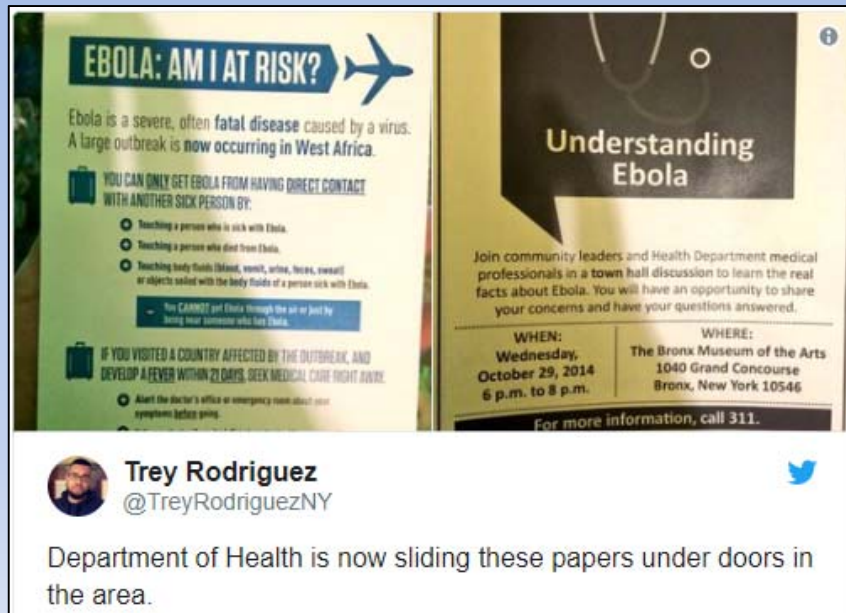
"Rather than working with us, @nycHealthy officials have refused to provide us with any information" politi.co/1MmtMZN
#Legionnaires

Mental Health

Mental health issues are always a concern in the aftermath of an emergency:

- Examples will be evident on social media...but no need to search for them.
- Acknowledging that it is okay to be scared or concerned is important to show compassion.
- Mental health resources (support/call center) should be dedicated and announced as quickly as possible.
- Healthcare utilization is low after disaster and needs lots of pushing. Integrated care of physical and mental health is ideal.

Community Outreach About Registry Will Generate Online Activity Too



Leveraging External Online Support

Virtual Operations Support Team (VOST)

- Team of volunteers activated to perform specific functions using social media and online technologies to support an organization and/or jurisdiction
- VOST Team Leader reports directly to the agency
 - *Example: DOHMH has trained a group of NYC Medical Reserve Corp (MRC) volunteers to assist w/ monitoring and provide technical assistance such as:*
 - Official message disseminators
 - Using language skills for content other than English
 - Providing general awareness of sentiment and commentary by public



In Summary

Even with best social media analytical tools, monitoring still requires a human touch (e.g. verification, interpretation, reporting to leadership, detecting sarcasm, etc).

Must have staff dedicated to this function. It is just as important as other public health operational activities.

Combination of online tools needed.

Picking up on new keywords / trends and modifying queries as situation evolves.

Preparation can be done in advance.

Build VOST relationships.

Questions ???

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