

Agenda

- Brief bio
- Social media and emergency/crisis communication
- Instagram & photos
- CERC framework
- Study on Health organizations, Instagram, and COVID-19
- Q&A

Brief bio

- DSc. (Tech.), MSc. (IS), MBA (IT)
- New media Communication/Informatics, Human-Computer Interaction
- Teaching: HCI, Interaction Design, Usability Evaluation, Social Media Research Methods, Social Media Analytics
- Research: Social media (uses and gratifications, privacy, activism, education, public health surveillance)
- Published in: IJMI, AJHB, IJHCI, Telematics and Informatics, Human IT, JICES, UAIS

Social media and emergency/crisis communication

- Influence of mainstream media (radio, TV, print) dwindles
- Affordances beyond entertainment (reach, connectivity, information)
- First stop for youth to seek health-related information
- Comfort-zone for many (stigma, resources, effort in face to face support)
- Highly active community support groups
- Access to diverse (and underrepresented/ inaccessible) cohorts of society
- Rich (volume & velocity) data
- Real-time and over time monitoring
- Effective, faster, & cheaper than traditional medium

BIG data

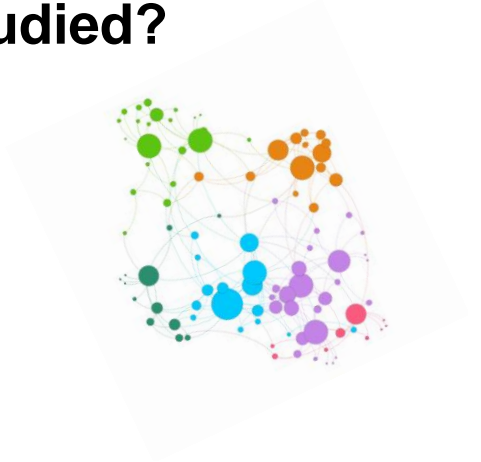
What users generate?

- Posts
- Likes/Favorites
- Comments
- Friends
- Followers
- Tags
- Ratings
- Sharing
- Downloads
- Audio/video/photos/text
- Links



What can be studied?

- User groups
- Practices
- Influence
- Networks
- Sentiments
- Interactions
- Information flow
- Events
- Predictions



Instagram & photos

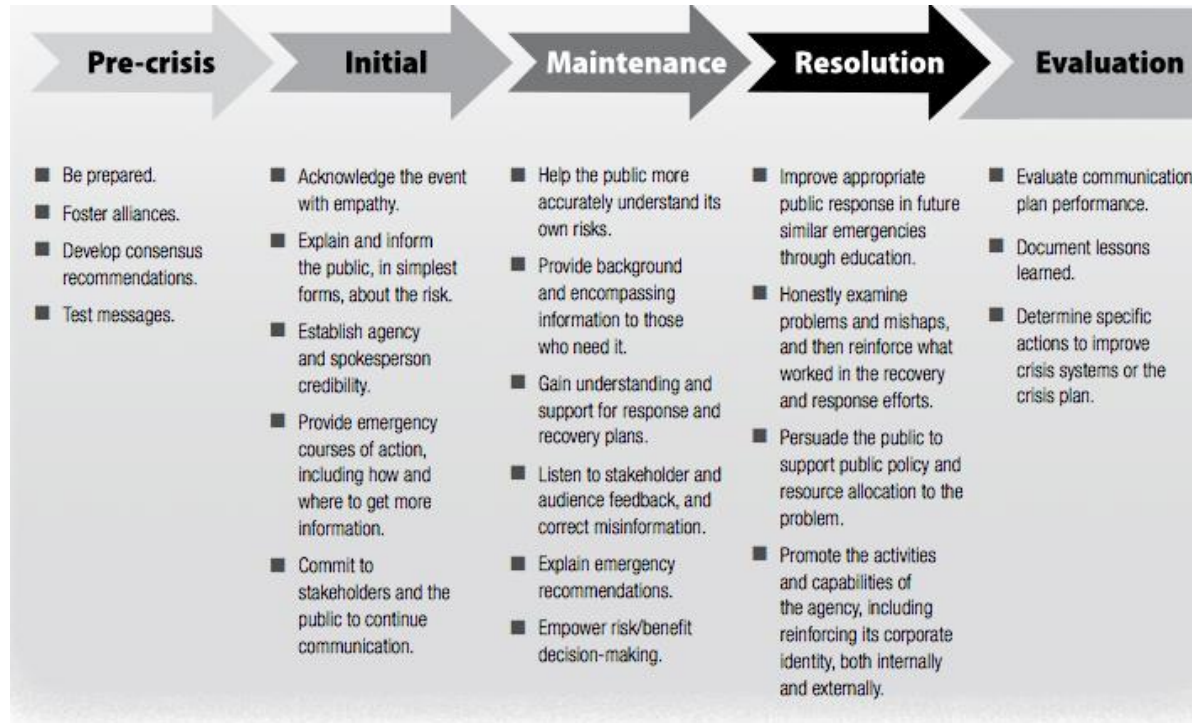


- Photo & video sharing SNS
- Share content, geotag, hashtags, stories, InstaLive
- Follow other users' feeds
- Exceptional representation of youth/young adults - 71% are under 35 years old*
- Adoption among celebrities, influencers, advertisers
- Over 1 billion active monthly users*
- Over 70% of U.S. businesses use Instagram*
- Higher engagement than Facebook
- Prevalence, gratifications, engagement, and recall capabilities of photos

CERC (Crisis & Emergency Risk Communication)

- Developed by CDC (Centers for Disease Control and Prevention)
- Aimed for emergency responders, health communicators, & leadership
- A framework and best practices to communicate during a public health emergency
- Foundations in communication & psychological sciences, issues management, and learnings from emergency responses
- Six principles (Be first, Be right, Be credible, Express empathy, Promote action, Show respect)

Phases of CERC



Instagram use by Health organizations: Malik, Khan, Quan-Haase

- How major health organizations used Instagram to publicly communicate about COVID-19?
- Types of messages disseminated via Instagram
- Assess different characteristics associated with the posted content, such as gender depiction, human-subject portrayal, and image type
- Examine the level of engagement

Methodology – selecting accounts

- International Association of National Public Health Institutes – COVID-19 resources
- Presence on Instagram assessed
- Inclusion criteria: English content, number of followers (at least 20,000), number of posts since the account was created (at least 200), number of posts related to COVID-19 (at least 20)
- 4 accounts selected (WHO, CDC, IFRC, NHS)

Methodology – choosing analytical sample

- All the posts (images with associated captions) shared on Instagram between January 1, 2020 and April 30, 2020
- Collected engagement indices (number of likes and comments)
- Focused on analyzing still images and excluded videos
- Final sample comprised 269 image posts

Methodology - Coding dimensions

Theme
Pandemic intelligence
Symptoms & transmission
Personal preventive measures & mitigation
Social/common responsibility & empathy
Inquisitive messaging
Clarification
Events, campaigns & activities
Contributions request
Showing gratitude or reassurance
Risk groups
General advisory and vigilance

Gender depiction
Male(s)
Female(s)
Both
None
Human-subject portrayal
Frontline worker(s)
Ordinary individual(s)
Celebrity
None
Image type
Photograph
Infographic

Accounts and analytical posts

	Account details		Posts about COVID-19 (January 1, 2020 to April 30, 2020)		
	Username	Total posts	Number of followers	Total posts (n=269)	Number of comments (n=109,757)
@WHO	2,193	5.2m	53	90,554	382,3164
@CDCGOV	2,510	872k	103	16,399	484,983
@IFRC	1,336	76.3k	84	828	118,729
@NHSEngl andIdn	491	41.8k	29	1,976	80,528

Findings

- Prominence of WHO and CDC (number of posts, followers, and engagement)
- Most posts about “personal preventive measures and mitigation”, “general advisory and vigilance”, “showing gratitude or resilience”, and “social/common responsibility & empathy”
- Few posts on “symptoms and transmission”, “requests for contribution”, and “clarification”

Findings

- Over 60% of the images did not portray person(s)
- Compared to male(s), female(s) have higher representation
- Slightly more infographics than photographs
- Photographs depict frontline workers, and ordinary individuals

Findings

- Photos without human subjects were far more engaging
- Depictions of frontline workers gained higher engagement
- Celebrity posts (n=2), received highest level of engagement
- Infographics much more engaging than photographs
- Posts bearing “clarification”, “inquisitive messaging”, and “personal preventive measures & mitigation” received higher engagement

Findings

- COVID-19, a sudden shock for organizations
- Took time to communicate through Instagram
- Communication strategies differ and map to specific organizational goals
- WHO and CDC cover the majority of the CERC principles
- Critical gaps in communication strategy through Instagram:
 - Missed youth messaging
 - No post/information about credibility as professional, reputable, and scientific health organizations
 - Limited focus on addressing rumors, misunderstandings, and unclear facts

Implications

- Instagram can be an effective tool for health organizations to convey their messages, in particular through infographics, engaging influencers, and dispelling misinformation
- The identified gaps provide a roadmap for strengthening the strategic social media communications of health organizations during pandemics and other emergencies

Conclusions

- Know the nature of the platform
- Must be timely and factual
- Combat misinformation
- Simple answers to common questions
- Develop and maintain credibility and trust
- Exploit multiple sources
- Launch campaigns
- Partner with influencers
- Monitor users, usage, and engagement

Thank you

Q&A