

# One Health Day

November 3, 2020

<https://www.cdc.gov/onehealth>

environmental  
health

animal  
health



# One Health

human health

*we are all connected*

# DIGITAL EPIDEMIOLOGY

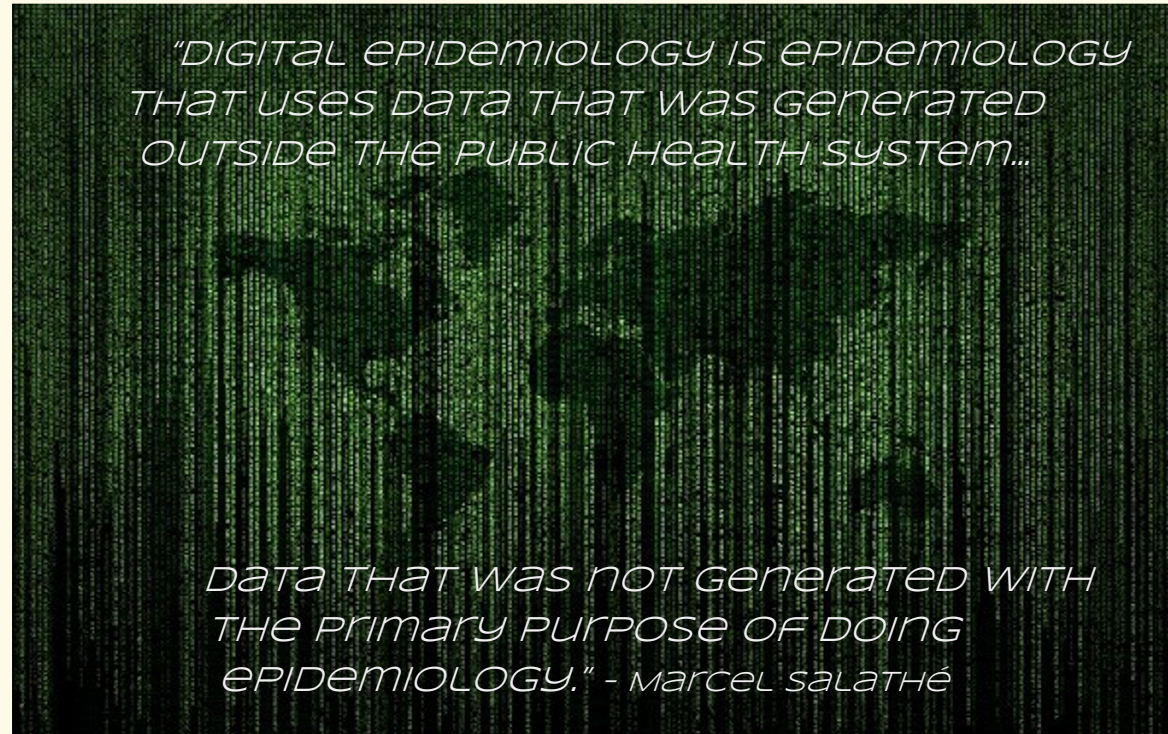
Melissa de Leon,

BIOL 302, One Health Approach To Infectious Disease

- What is Digital Epidemiology?
- Speed, scope & cost  
VS  
quality, bias & privacy.
- What is One Health?



<https://www.mainenewsonline.com/wp-content/uploads/2019/12/Close-Up-Twitter-Account-Without-Phone-Verification.jpg>



<https://media.springernature.com/lw725/springer-cms/rest/v1/content/15078314/data/v1>

Our digital traces are now health tools for disease surveillance, symptom identification, outbreak prediction

- Internet Search Trends
- Social Media posts
- Mobile phone records
- Geolocation tracking
- Timestamps
- Health Wearables
- Symptom Checkers

Digital epidemiology uses digital tools and technologies to expand the study of epidemiology by adding new sources of information sometimes created by the users themselves, leading to technological innovations with speedy results but balanced with variable data quality, bias, and privacy concerns.