

Question for the Viewers

Who is your primary audience?

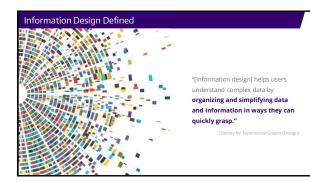
- A. Public health professionals
- B. Community leaders or policy makers
- C. Healthcare providers
- D. Public or special populations
- E. Other

Health Communication Defined



"...influence, engage, empower, and support individuals, communities, healthcare professionals, patients, policymakers, organizations, special groups, and the public so that they will champion, introduce, adopt, or sustain a health or social behavior, practice, or policy that will ultimately improve individual, community, and public health outcomes."

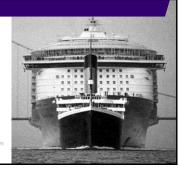
(Renata Schiavo, 2014)



Making Sense of Data

"Data sensemaking is what we do to make sense of data... Helping people understand the world based on data is important work. Without understanding, we often make bad decisions."

Successful data sensemaking requires **time** and **attention**.





Know Your Content Investigate Collaborate Iterate

Know Your Audience



How well do you know the audience?

- Culture, geography, ethnicity, age, gender context
- Perceptions, beliefs, attitudes, behaviors
- Friendly? Apathetic? Uninformed? Hostile?



- Familiarity what do they already know about the topic?
- > Time how much time will they spend with the data?
- Preference how do they like to receive information?
- Develop a persona for the target audience

Know Your Purpose

So What?

Single Overriding Communication Objective (SOCO):

- > Target, primary audience
- 1 key message
- 3 supporting facts

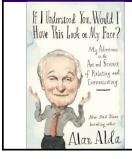


Know Your Purpose

- What do you want people to DO?
- How do you want people to use the information you are delivering, and they are receiving?
- Is your call-to-action communicated clearly?



Show Your Story



"The person who is communicating something is **responsible** for how well the other person follows him...If I tell you something without making sure you got it, **did I really communicate anything?**"

"An effective data presentation may look pretty, but the true goal is to **support audience cognition.**"

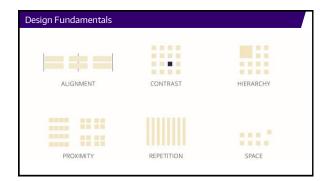
(Stephanie Evergreen, 2017)

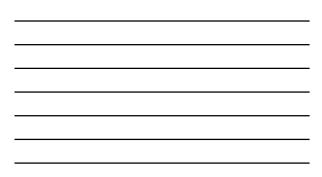


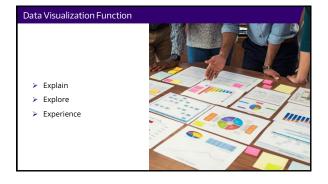


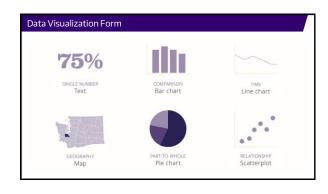
Data Visualization
 Subset of information design
 Graphical representation of data using visual elements like charts, graphs, and maps

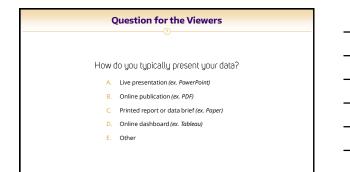
Infographic Product of information design and data visualization Includes data, copy, or both













- Creation tools
- Data literacy

What is Needed



Effective data viz > Clear intention

- Critical thinking
- > Good design —
- Form follows function

Emulate Modern Masters

Three teachers, three angles

- > Alberto Cairo
- Stephanie Evergreen
- > Cole Nussbaumer Knaflic



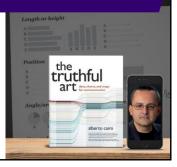


storytelling **ul** data

Alberto Cairo

Four principles of good data visualization

- Good visualizations are based on good data
- > They attract your attention
- > They represent the data accurately
- They show the right amount of data



Stephanie Evergreen

Four step

visualization process

- > What's the point?
- Who is the audience and how will it be delivered to them?
- What is the best chart type?
- How can you sharpen the point?



Cole Nussbaumer Knaflic

Five key lessons

- Understand the context
- Choose an appropriate
- visual display

 Eliminate clutter
- Focus attention
- where you want it
- Tell a story





How We Do It



Creative process

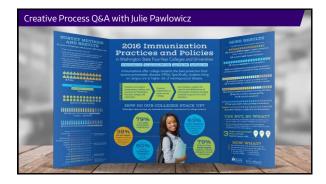
- Consultation: Pre-design questions
- > Agreement: Creative brief or proposal

- Creation: Collaboration and iteration
- Review and approval
- Audience testing
- > Publish or disseminate

Creative Process Q&A with Julie Pawlowicz







What You Can Do

- Look for examples of good data visualization and good design
- > Learn more about the ideas presented here today
- \succ **Ask** for help in areas that are not your expertise
- > Know your content, audience, purpose, and explore more
- > Practice creating effective data visualization
- > Help raise the bar for data visualization in public health



Resources

- > Renata Schiavo, Health Communication: From Theory to Practice, Second Edition, 2014
- Information Design, Society for Experiential Graphic Design:
- Stephen Few, 7/22/19 blog:
- m/blog/2019/07/22/ethical-data-sensemaking/
- > SOCO template, CDC: althywater/emergency/dwa-comm-toolbox/before/tools/SOCO-Worksheet.docx
- Stephanie Evergreen, Presenting Data Effectively: Communicating Your Findings for Maximum Impact, Second Edition, 2017
- Alan Alda, If I Understood You, Would I Have This Look on My Face? My Adventures in the Art and Science of Relating and Communicating, 2017 Ketating wink communication
 Storytelling With Data, 5/13/19 blog:
 http://www.storytellingwithdata.com/blog/2019/5/13/declutter-and-question-defaults
 http://www.storytellingwithdata.com/blog/2019/5/13/declutter-and-question-defaults
- > Colours in Culture: https://informationisbeautiful.net/visualizations/colours-in-cultures/



