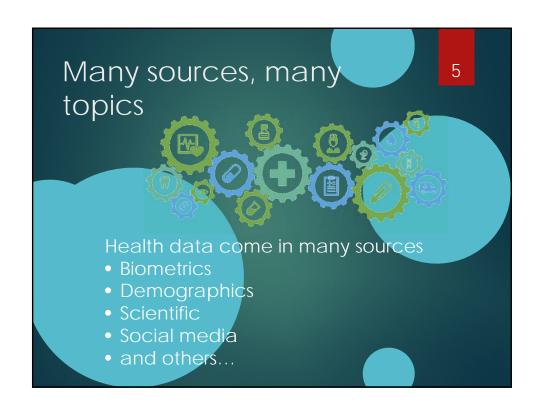




How to build your story Collect and prepare your Data • Employ data from individuals exhibiting over an extended period of time • Generate a multiparameter metric for wellness • Reflect both the psychological and physiological aspects of wellness • Quantifying wellness • Define terms in clear ways







...data structure...

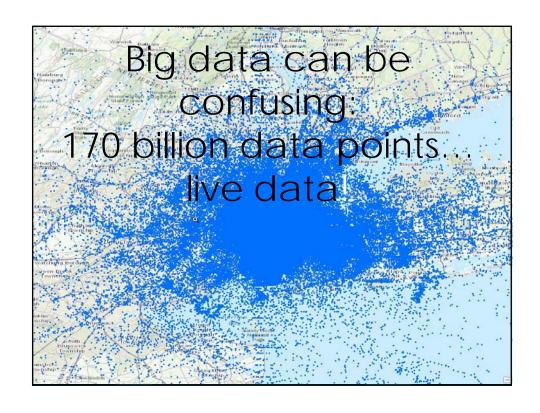
- ► The Rapid Growth of Unstructured Data
- ► YouTube users upload 48 hours of new video every minute of the day.10
- ▶ 571 new websites are created every minute of the day. 11
- ▶ Brands and organizations on Facebook receive 34,722 Likes every minute of the day.¹²
- 100 terabytes of data uploaded daily to Facebook. 13
- According to Twitter's own research in early 2012, it sees roughly 175 million tweets every day, and has more than 465 million accounts. 14
- > 30 Billion pieces of content shared on Facebook every month.
- Data production will be 44 times greater in 2020 than it was in 2009.
- In late 2011, IDC Digital Universe published a report indicating that some 1.8 zettabytes of data will be created that year.¹⁷ In other words, the amount of data in the world today is equal to:
 - Every person in the US tweeting three tweets per minute for 26,976 years.
 - Every person in the world having more than 215m high-resolution MRI scans a day.
 - More than 200bn HD movies which would take a person 47m years to watch.

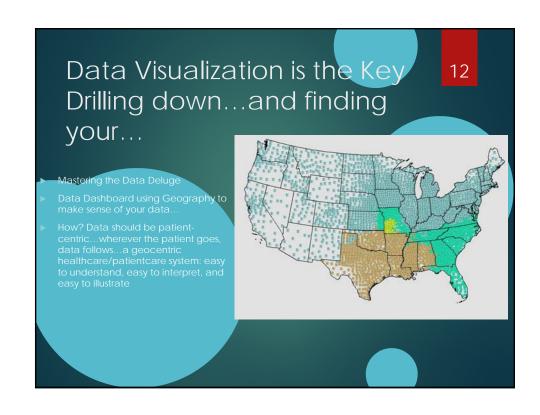
...it's complicated 8 PP: Payer & ACO Retail-Based Clinics Claims, Lab, Rx, Big Data Analytics Demographics, Benefits, DME, Clinical, Patient-Processing In-Community Clinical Interfaces Reported, & Supplemental Data Sources for Patients and Providers Research MORE² Registry® - Design, Research & Proprietary Functionality Pharma & Life Sciences

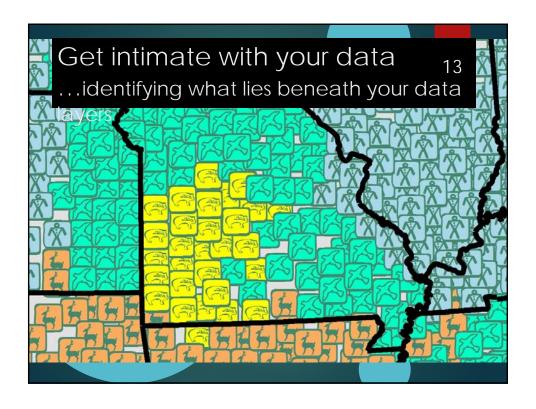
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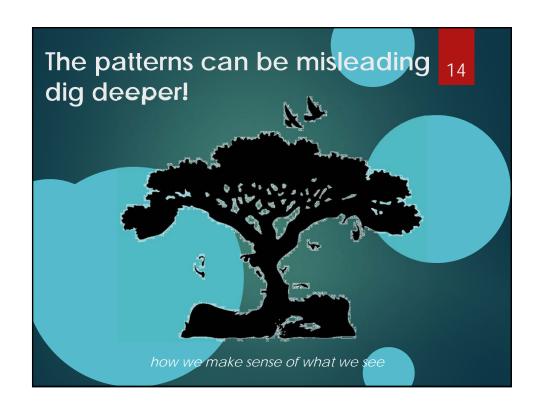


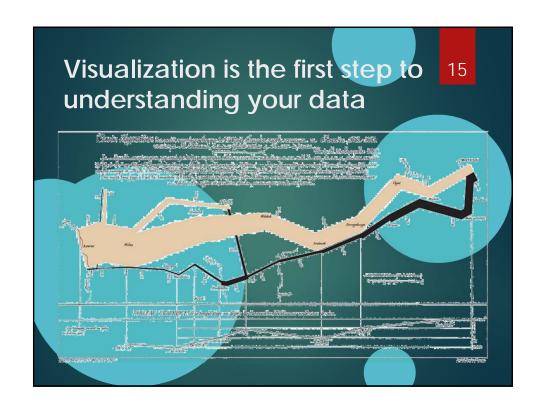
...it becomes bigger and more complicated = Big Data • Big data is a term for data sets that are so large or complex that traditional data processing application software is inadequate to deal with them (Wikipedia, 2017) • Volume. Organizations collect data from a variety of sources, including business transactions, social media and information from sensor or machine-to-machine data. In the past, storing it would 've been a problem - but new technologies (such as Hadoop) have eased the burden. • Velocity. Data streams in at an unprecedented speed and must be dealt with in a timely manner. RFID tags, sensors and smart metering are driving the need to deal with torrents of data in near-real time. • Variebility. In addition to the increasing velocities and varieties of data, data flows can be highly inconsistent with periodic peaks, is something it reading in social media? Daily, seasonal and eventing gered peak data loads can be challenging to manage. Even more so with unstructured data. • Complexity. Today's data comes from multiple sources, which makes it difficult to link, match, cleanse and fransform data across systems. However, it's necessary to connect and correlate relationships, hierarchies and multiple data linkages or your data can quickly spiral out of control.













Enter: Real-time Data

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Big data is not just historic business intelligence

Value of Big Data

 Private: real-time data and the ability to mash together several (big) data sets that makes big data so valuable

