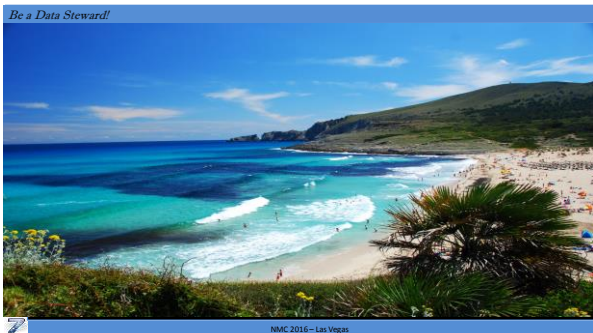


Be a Data Steward!



NMC 2016 - Las Vegas

---

---

---

---

---

---

---

Be a Data Steward!

Be a Data Steward!!



**D'Andre T. Carpenter, DNP, MS-ISM, RN-BC**  
Corporate Director, Clinical Informatics  
BaylorScott&White All Saints Medical Center  
BaylorScott&White Andrew Women's Hospital  
DAndre.Carpenter@bwhhealth.org

NMC 2016 - Las Vegas

---

---

---

---

---

---

---

Be a Data Steward!



NMC 2016 - Las Vegas

---

---

---

---

---

---

---

## Course Objectives

By the end of this session, you will learn how:

- To create strategies around the concept of "Big Data"
- To leverage data for improving key performance indicators and quality metrics
- To collect, analyze, and present data for performance improvement



---

---

---

---

---

---

---

## Purpose of Data in Healthcare

- Create ownership surrounding processes
- Optimize decision making
- Improve the Care Process
- Prevent Errors & Do No Harm



---

---

---

---

---

---

---

## Big Business

- Healthcare is a business, but unlike any other business
- Patients are unlike any other customer base
- Data in healthcare is not often static and can change frequently
- Compared to other industries healthcare has more linear processes
- There's often a lack of what usability and interpretation of data means in the health setting



---

---

---

---

---

---

---

## What the heck is Big Data?



NMHC 2016 - Las Vegas

---

---

---

---

---

---

---

---

## Big Data Can Be Frustrating

- Generally Hard to Maintain
- Often stored in multiple places
- Inclusive of Discrete and Non-Discrete data sources
- Inconsistent variable definitions
- Overall, healthcare data is complex
- Ever changing regulatory Climate



NMHC 2016 - Las Vegas

---

---

---

---

---

---

---

---

## Data Advocacy



NMHC 2016 - Las Vegas

---

---

---

---

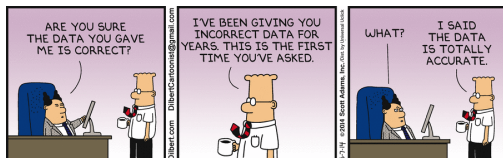
---

---

---

---

## Data Integrity



NMC 2016 – Las Vegas

---

---

---

---

---

---

---

---

## Data Integrity



**"A concept where data adheres to a predefined set of rules for the purpose of ensuring accuracy and consistency of data stored within databases."**



NMC 2016 – Las Vegas

---

---

---

---

---

---

---

---

## Data Stewardship

**Data is like people – interrogate it hard enough and it will tell you whatever you want to hear.**

Bernard Marr



NMC 2016 – Las Vegas

---

---

---

---

---

---

---

---



---

---

---

---

---

---

---

---

## The 5 “Stages of Data Reactions”

- **Denial**
  - “Those aren’t MY numbers”
- **Anger/Resentment**
  - “WHO got THOSE numbers?”
- **Bargaining**
  - “How about if we re-run it again?”
- **Depression**
  - WHY are we even doing this?.....”
- **Acceptance**
  - “How can we get better?”



“Stages of Grief” – E. Kubler-Ross – adapted by M. Albaum MD & Mae Centeno, DNP, RN

---

---

---

---

---

---

---

---

## Avoid Reactionary Data Tactics

Two hunters are out in the woods when one of them collapses. He doesn't seem to be breathing and his eyes are glazed. The guy whips out his phone and calls 911. He gasps, “My friend is dead!! What can I do?” The operator says “Calm Down. I can help. First, let's make sure he's dead.” There is a silence, then a gunshot is heard. Back on the phone, the guy says “OK, now what?”

Bernard Marr

---

---

---

---

---

---

---

---

## Understanding Data Integrity

**“Good Data In Good  
Data Out”**



NMC 2016 – Las Vegas

---

---

---

---

---

---

---

## Analyzing Data



NMC 2016 – Las Vegas

---

---

---

---

---

---

---

## Quantifying Data

- Following Data = Following the Money
- Payer Mix



NMC 2016 – Las Vegas

---

---

---

---

---

---

---

## Presenting Data



NMC 2016 – Las Vegas

---

---

---

---

---

---

---

## Creating Data Strategies

- EHR is not a documentation system. It's a Database
- Approach data strategies towards early intervention and prevention
- Use data to write business cases
- Create Data visualization concepts



NMC 2016 – Las Vegas

---

---

---

---

---

---

---

## Performance Improvement



NMC 2016 – Las Vegas

---

---

---

---

---

---

---