1. 1. Why do we care?
   1. Programs get funding based on the quality and impact of their programs
   2. How do we determine this?
      1. Data analysis and statistics! ……BORING! But the results of these analyses show stakeholders the program is hugely beneficial and deserves more funding ….. and this is how employees get paid… NOT BORING! And programs continue to expand… NOT BORNG!
      2. Data is a strategic asset for organizations… knowledge gained from use of databases results in competitive advantage
2. What’s the state of our data storage now?
   1. Excel In Microsoft Office 2016
   2. Current version of Excel is 2016 in Office 365
   3. GRAPH OF DATA OBSERVATIONS PER YEAR.
3. Intro: from Spreadsheets to Databases
   1. Talk about the use of spreadsheets
      1. Strengths of how they’ve served you so far
         1. Limitation
            1. With larger and larger files, loading and manipulating (computing) takes longer and longer
         2. Disadvantages of working in Excel:
            1. Program data dependence
            2. Duplication of data
            3. Limited data sharing
            4. Lengthy development times
            5. Excessive program maintenance
4. Overview of Databases
   1. What they are
      1. Database: an organized collection of logically related data; can be of any size and any complexity
         1. Our data: screening data, education reports
   2. Relational
      1. Relational Databases: a database structured to recognize relations among stored items of information.
5. Important for HH
   1. Minimal access
      1. Only one person (Austin) or a small set of people should have editing rights over the database
   2. Quick reports
      1. However, everybody in the office should have the ability to quickly generate reports from the data in the database
   3. Security
      1. From any outside threats
      2. Remaining HIPAA compliant
6. When to move to a database management system

