Session Objectives

• Describe planning processes used to begin cultural change and advocate for resources
• Identify potential pitfalls and barriers in deploying a solution
• Identify available commercial options
• Illustrate the differences between reports and dashboards
• Share some examples of BORG Data Cubes deployed at CHC
• Describe challenges with working with Entrinsik Informer
Birth of an idea

• OLAP cubes for planning & program review
  – Built on ideas developed at Chaffey
  – Created for each unit
  – Labor-intensive, static documents
  – Expensive in time & resources
Planning, planning, planning

- Utilized unit’s PPR process to evaluate a need
  - ACCJC placed CHC on probation
  - Began in Fall 2010
  - Linked to new EMP Goal: “Promote Evidence-Based Decision Making”
  - Created 8 step action-plan to identify, fund, purchase, deploy, and assess OLAP solution
Pitfalls & Barriers

• Other institutional priorities took precedent
  — Linked to Student Success EMP Goal
• Insufficient resources to apply to project
  — Sought financial support through grants
• Became multi-year project through fall 2013
  — Persisted through program review process annually
• First solution (SPSS) did not meet needs
Options, options, options

• **Tableau**
  – Powerful, robust, awesome
  – $27,000 + $150/end user + $300/developer

• **IBM Cognos**
  – Integrates with SPSS, powerful, robust
  – $26,592 + $6,000 annually

• **Entrinsik Informer**
  – Already owned report tool & integrated with Colleague
  – $27,000 less 50% discount
  – $13,500 = WINNER!

• **Cal PASS Data Mart**
  – Not available
  – Very expensive

• **CCCO Data Mart**
  – Not available

• **Jaspersoft**
  – Good platform
  – $45,000
Reports vs. Dashboards

- **Reports** – Connected directly to Ellucian Colleague and can access data from different files (e.g.: STUDENTS and STU.ACAD.CRED) for power users and some end users more comfortable with data.

- **Dashboards** – Connects directly to Informer Reports or other data sources (e.g.: Excel, Google Analytics), visually appealing, designed for the end user.
Example Report

Student Education Goal
Example Dashboard
What data are provided?

B.O.R.G. Data Cubes

The purpose of B.O.R.G. (Best Organizational Research Gauge) Data Cubes is to help the campus with evidence-based decision making by providing access to real-time data. The reports are only available to District Employees and accessible to those logged into the District Network. If you have suggestions for additional reports or changes to the ones listed below, please contact Keith Wurtz by email or by phone at extension 3206. Future reports will include visually appealing and more user friendly dashboards.

CHC Student Educational Progress

PPR/Annual Plan Instructional Data

- Demographics (Unduplicated by Term)
- Course Completion Rate (Rubric Item 6.a.i)
- Course Success Rate (Rubric Item 6.a.ii)
- FT/PT Faculty Ratio (Rubric Item 6.a.iii)
- WCH/FTEF Ratio (Rubric Item 6.a.iv)
- Fill Rate (Rubric Item 6.a.v)

Draft Quantitative Effective Indicator BORG Data Cubes (More to Follow)

- English Throughput Rate
- Math Throughput Rate
- Reading Throughput Rate
Sample of Reports Provided

- Open section listings by late start, discipline, online, and short-term
- Active Section Enrollment (Enrollment Management)
- Emails and Phone for Actively Enrolled Students
- Room Number Search
- Faculty Schedules
Dashboards Provided

- Program Review Data: Demographics, Completion Rate, Success Rate, FT/PT Ratio, WSCH/FTEF Ratio, and Fill Rate
- CHC Student Educational Progress
- Basic Skills Throughput Rates: English, math, & reading
- Current RFTES, Enrollment, & Unduplicated Headcount
Challenges

• Need to have knowledge of and/or ability to learn java syntax

• Keeping Informer Reports and Dashboards organized so end users can easily access data

• Accessing Dashboards outside of network
Questions/Comments