



USG Critical Data Infrastructure for Nursing Education and Workforce Research

Dr. June Goyne, Chair, Department of Nursing, Columbus State University

Dr. Dara O'Neil, Director of Healthcare Workforce Research, USG

Dr. Cathie Mayes Hudson, Vice Chancellor for Research and Policy Analysis, USG

Need for Data

1. To develop understanding of current nursing education capacity at USG institutions
2. To plan for future nursing workforce needs for the State of Georgia
3. To provide accurate data from existing data marts, rather than rely on self-reported survey data which is more prone to error
4. To inform policymakers at the USG and State legislature about nursing education

University System of Georgia

- 25 institutions with nursing programs
- USG produces 80% of new RNs in Georgia
- 2,040 pre-licensure nursing graduates in FY08 (increase of 18.2% over FY06)
- ~500 nursing faculty members

Existing USG Data Infrastructure

Student Data

100 variables for each student including demographics, major, and course grades, etc.

Faculty and Staff Data

Data collected for each employee includes demographics, highest educational level, instructional CIP code, etc.

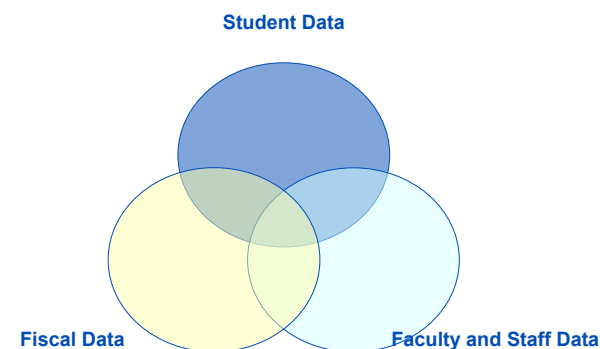
Fiscal Data

USG data on budgets and expenditures are kept at the level of the institution

Data Limitations

1. The three data marts (Student, Faculty and Staff, and Fiscal) are not fully integrated
2. Faculty are not linked to a department of a fiscal unit
3. Fiscal data is not maintained at the departmental level (e.g., School of Nursing)

Plans for Integrating USG Nursing Education Data Infrastructure



Data Integration

1. Will be able to link a faculty member to a department and a fiscal unit
2. Will be able to reconstruct a budget unit through data, linking faculty and other costs to student-level data

Data Analysis Possibilities

1. Estimate the cost of producing a new nursing graduate at the USG
2. Analyze departmental budgets across 25 USG nursing programs to determine where cost efficiencies may be realized
3. Track graduate nursing students into the nursing faculty pipeline to address critical shortages of nursing faculty in Georgia