

Integrating Data Across Multiple Programs and Institutions

Arnold Hassen, CTO, CIO
WVSOM

Integrating Data Across Multiple Programs and Institutions

“Data, Data, Data, We don’t need no
stinking data.”

Integrating Data Across Multiple Programs and Institutions

Apparently someone does!

- WVa Report Card
- Higher Education Policy Commission Central Office
- WVa Legislature
- US News and World Report
- Peterson's Guide
- Governmental Agencies
- AOA
- AACOM
- President
- Dean
- Faculty
- Staff
- Media

Integrating Data Across Multiple Programs and Institutions

Data = Information; useful, no.

Information + Context = Knowledge;
useful, maybe.

Knowledge + Experience = Wisdom;
useful, hopefully.

Integrating Data Across Multiple Programs and Institutions

How many students are enrolled in 2003-
2004 first year class?

First day?

Census date?

Repeating students?

Coming back after medical leave?

New, first time students?

Integrating Data Across Multiple Programs and Institutions

How many graduated in class of 2002?

According to school anyone receiving a degree between graduation day and December 31 is listed in class.

Some count only students graduating prior to beginning of next school year.

Integrating Data Across Multiple Programs and Institutions

How many in-state students return to practice?

In-state at acceptance?

In-state status achieved during program?

Is there a difference?

Integrating Data Across Multiple Programs and Institutions

What kind of data are kept?

Demographic, status

Business processes

Integrating Data Across Multiple Programs and Institutions

One database or thirty seven?

Integrating Data Across Multiple Programs and Institutions

Each database has been set up and modified to meet specific needs and goals.

These may reflect the department's needs and goals, not the Institution's needs and goals.

The owners of these databases usually report to different components of the Institution.

Integrating Data Across Multiple Programs and Institutions

So, what's the problem?

Data: A Dean's View

Michael D. Adelman, D.O.

Dean, WVSOM

Problem One:

SO MANY PROGRAMS...

- Osteo-admit
- Banner
- Year 3-4 scheduling program
- Year 1-2 scheduling program
- Alumni Database
- GME Database
- Rural Health Education Program

**AND NONE OF THEM TALK
TO EACH OTHER!**

- Increased “man-hours”
 - Must transfer the data to other programs
 - Must re-input the data several times
 - Everyone has to print out the same information
- Need to bring together data from several sources—thus if you don’t receive all of the data your conclusions will be less accurate
- This is COSTLY \$\$
 - Time
 - Money
 - Energy
 - Paper

IT'S REDUNDANT!!

**WHY CAN'T I
GET THEM TO
"TALK" TO
EACH OTHER?**



Problem Two:

■ Sometimes the data in one data base is different than the same information in another!

■ E.g., Two different permanent mailing addresses

**Which Data is
Correct???**



Problem Three

- I need data quickly
- I can't find it at one source
- I get the “run around”
 - “Sorry you need to talk to...”
 - “I don't have that information, have you called...”
 - “I can give you *this part* but you need to go to *X* for the other part...”
 - “Sorry, that's not my job...”

**WHY DO I
HAVE TO GO
TO 10 PEOPLE
TO GET MY
DATA!! WHY
NOT JUST ONE
PERSON?**



Solution....

- Have an Institutional Data Officer
 - One stop shopping!

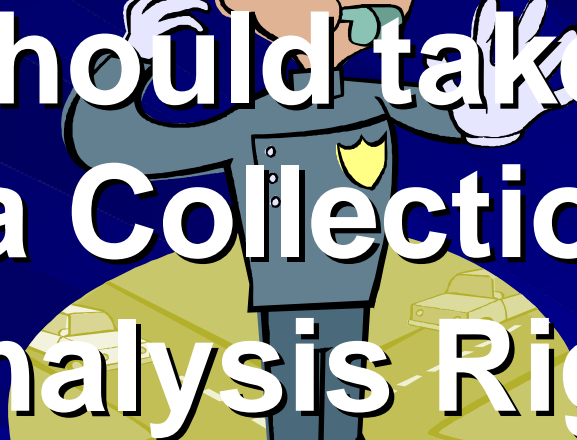
■ Not really so...

What I hear from ID officer:

- “ I have to call “X” to get that data, I’ll get back to you”
 - Why call you then– Why not call “X” directly?
- “It will take a while but I will get you that Data.”
 - (And I know he is still calling “X” to get it!)
- “I’m not sure we have that data. I’ll have someone check on it.”

Advantage of ID Officer

- He's looking for the data instead of me!
- He probably already knows where to get the data
- Before I'd get raw data now I get "translated data"
 - Could be good or bad!
 - Now I look at all data from the ID Officer's point of view instead of mine.



**This should take care of
Data Collection and
Analysis Right?**

NOT SO FAST!



- There is no systematic reporting with analysis!
- Lack of executive summaries with conclusions
- Should be able to get:
 - Analysis of what caused the data to change
 - National trends compared to our data
 - Graphs as well as text

What I really need is...

DATA

D
A
T
A

D
A
T
A

DATA

D
A
T
A

DATA

DATA

D
A
T
A

D
A
T
A

**DATA
PERSON!**



Integrating Data Across Multiple Programs and Institutions

Is there a solution?

Integrating Data Across Multiple Programs and Institutions

There should be a reason for each survey, report, data request.

Duplication should be avoided. If IPEDS has the necessary information, use IPEDS, do not create a new survey.

Prove that something is done with the data request.

Data mining is a serious task. What answers are obtained depend on the questions that are asked and the resources used.

This requires an Institutional solution. An iterative process identifying the information that is needed, the location, validation criteria, management criteria, reporting criteria all done efficiently and effectively.

Integrating Data Across Multiple Programs and Institutions

AACOM should facilitate improvement of data collection and analysis by working with the AOA and the Deans to identify a single Institutional Data Manager at each Osteopathic School, development of surveys in collaboration with Deans and Data Managers, and by minimizing the amount of data collection and maximizing the value of the data collected