



Custom Dashboard FEDCASIC 2012

Maria Hobbs

March 29th, 2012

Email: mhobbs@rti.org

Phone: (919) 541-8718

Session Outline

- Brief Project Overview
- Dashboard Definition
- How dashboard was used to manage project
- Questions

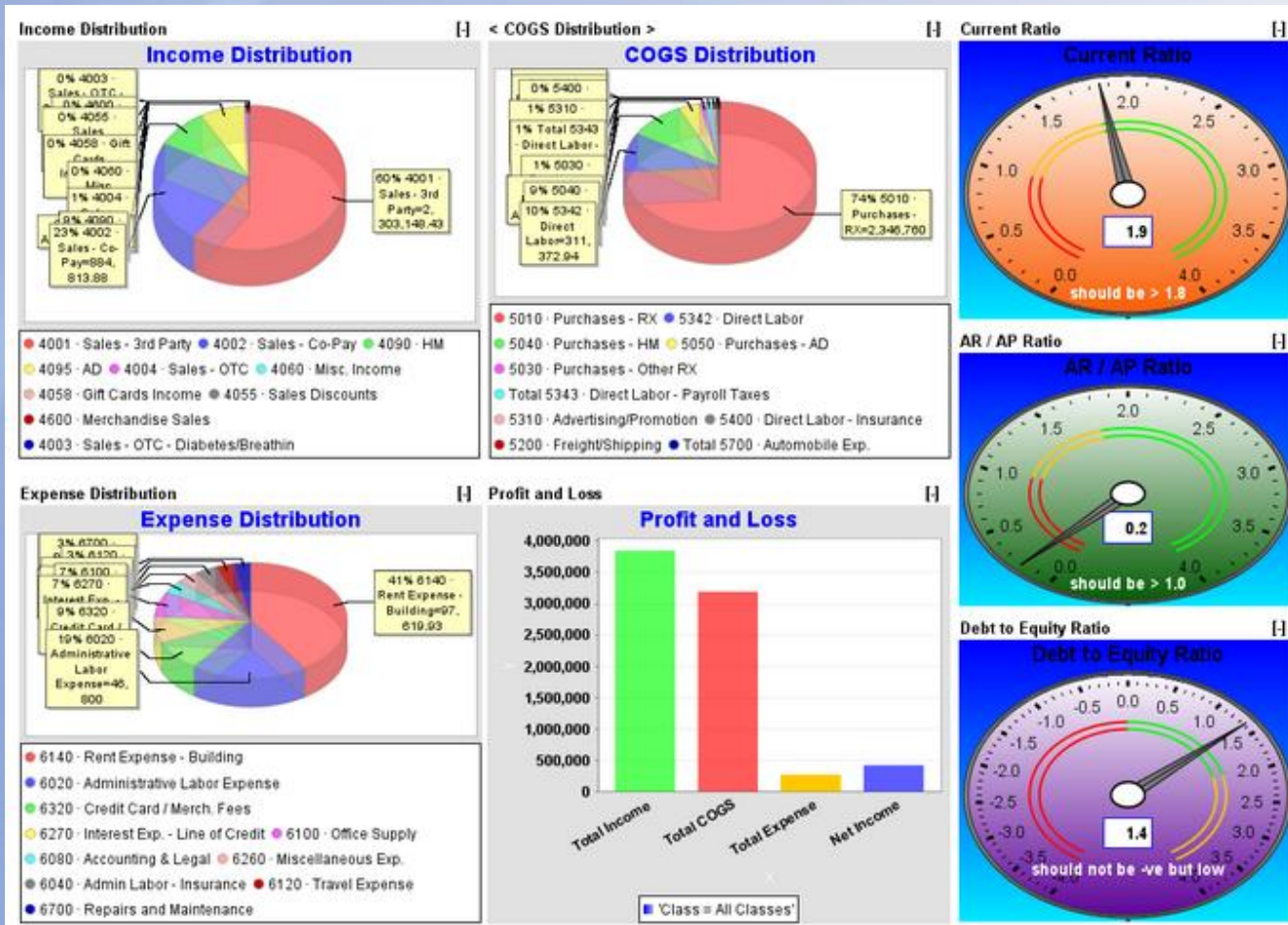
Project Overview

- Large Scale Federally Mandated Project :
 - Surveys conducted onsite in US correctional facilities
 - Logistics Tasks include:
 - Facility Contact
 - Facility Scheduling
 - Interviewer Team Scheduling and Travel Arrangements
 - Security and Background Checks for interviewers
 - No definitive or standard security checks
 - Security requirements vary amongst facilities
 - Team Supply List

Dashboard

- <http://searchcio.techtarget.com/definition/dashboard>
 - a dashboard is a user interface that, somewhat resembling an automobile's dashboard, organizes and presents information in a way that is easy to read. However, a computer dashboard is more likely to be interactive
- Simple way to manage data:
 - Review and control data
- Examples:
 - Widgets on desk top
 - Excel Dashboards

Dashboard Example



Custom Dashboard Mechanics

- Visual Studio 2008 ASP.Net Page
- Written in C#
- Dev Express Controls
- SQL Server 2005 Database

Design Process

- Met with entire team for one week
 - Project Directors
 - Logistics Managers
 - Regional Supervisors
 - Field Supervisors
 - Field Interviewers
 - Statisticians
 - Software Development Team
- Discussed work process and information needed to accomplish individual and group tasks
- Documented discussions, suggestions, specific work requests

Problem - Traditional Dashboards Didn't Work

- Organized information needs and processes into logical units
- Proposed various designs and options to management and work teams
 - Time consuming and little agreement about what would work for entire group. Each group was very focused on their individual work unit and the detail was captured on work pages such as Sampling and Logistics

Solution – Unconventional Approach

- Started at the top level and highlighted the most important tasks for project managers and isolated the most important information for our client
- Added Panels with links to logistics, activity, and FI Summary Reports that provided needed status information

Headers-Selectable & Sortable – Mix and Match for Custom Search

Default filter

Date ▲

#	RTIID	Facility	Contact Status	LP %	BG Chk Status	Facility Status	Cycle
clear filter	JNC101		Contact ▼				▼
⊕	Date: 3/8/2011 (Count=1)		Not active				
			Letter sent				
			Contact attempted				
			Contact made				

Daily Activity View

Default filter

Date ▲

#	RTIID	Facility	Contact Status	LP %	BG Chk Status	Facility Status	Cycle
Go <input type="checkbox"/>	JLA039	Sandy Hills Jail	Contact made	100 %	All interviewers cleared	Fully staffed	4
Go <input type="checkbox"/>	JSC043	Woodland County Jail	Contact made	100 %	Covered by RTI	Fully staffed	4
Go <input type="checkbox"/>	JVA067	Hilburn Rock Jail	Contact made	100 %	All interviewers cleared	Fully staffed	4

⊕ Date: 4/9/2012 (Count=1)

⊕ Date: 4/10/2012 (Count=4)

⊕ Date: 4/16/2012 (Count=3)

⊕ Date: 4/17/2012 (Count=1)

⊖ Date: 4/23/2012 (Count=2)

Go <input type="checkbox"/>	JLA018	Jonesville Jail	Contact attempted	0%	Not required	Ready to staff	4
-----------------------------	--------	-----------------	-------------------	----	--------------	----------------	---

Sampling Page

Sampling Information

Facility information

Facility status: Not set Data collection dates: 4/2/2012 - 4/5/2012
 Population: 236 Gender(s) held by facility: Female
 Inmates under 18: 0

General roster information

Who is providing the roster?

Governing Body Facility NS

Roster format

Hard copy (pdf or fax) ▼

Transmission method

Fax ▼

Roster comments

Facility provided two examples (Daily Inmate Report on 3/8 and Daily Census Report on 3/9). Daily Census Report has more data elements but is too busy for data extraction therefore we'll use the Daily Inmate Report.

Roster Items

Item	Availability	Notes
Unique identifier	<input checked="" type="radio"/> On roster <input type="radio"/> Separate <input type="radio"/> NA	Book Number
First name	<input checked="" type="radio"/> On roster <input type="radio"/> Separate <input type="radio"/> NA	
Middle name	<input checked="" type="radio"/> On roster <input type="radio"/> Separate <input type="radio"/> NA	
Last name	<input checked="" type="radio"/> On roster <input type="radio"/> Separate <input type="radio"/> NA	
Housing unit	<input checked="" type="radio"/> On roster <input type="radio"/> Separate <input type="radio"/> NA	

Facility Information

JLA039- Sandy Hills Jail

GB-GJLA008-

Population-236

Field Team-38

Cycle- 4

LM- Sally Jones

RS- Sue Hall

FS- Megan Mills

Stat- Jim Pilsner

Scheduled-4/2/2012

Task Manager

[Add task](#)

[Add activity](#)

Organization Reports

[Logistics Plan](#)

[Status Report](#)

[Activities Report](#)

Sampling Cont'd

Gender	<input type="radio"/> On roster <input type="radio"/> Separate <input checked="" type="radio"/> NA	
[IF JAIL] Pre-arraignment indicator	<input type="radio"/> On roster <input checked="" type="radio"/> Separate <input type="radio"/> NA	Facility will separately provide list of names of those who are scheduled to see magistrate that day.
[IF JAIL] Sentenced indicator	<input checked="" type="radio"/> On roster <input type="radio"/> Separate <input type="radio"/> NA	
Date of birth or age	<input checked="" type="radio"/> On roster <input type="radio"/> Separate <input type="radio"/> NA	
Race	<input type="radio"/> On roster <input type="radio"/> Separate <input checked="" type="radio"/> NA	
Ethnicity	<input type="radio"/> On roster <input type="radio"/> Separate <input checked="" type="radio"/> NA	
Facility admission date	<input checked="" type="radio"/> On roster <input type="radio"/> Separate <input type="radio"/> NA	
Sentence length	<input checked="" type="radio"/> On roster <input type="radio"/> Separate <input type="radio"/> NA	Scheduled release date (I understood the facility to say that they may not have that information on everyone in the system)
Roster item notes		
NEED TO ASK WARDEN: When cell location indicates "Book", will this location line up with the list of inmates who are scheduled to see the magistrate?		
Facility advance sample requirements		
Facility requires advance copy of sample?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NS	
Date and time needed	<input type="text"/>	
Format required (PDF preferred)	<input type="text"/>	
Oversampling requirements		
Percentage of ineligible inmates who can be identified	4	
Percentage of ineligible inmates who cannot be identified		

Special handling

Centralization

Fully centralized Partially centralized Decentralized NS

Portion of the housing unit field(s) to be used for grouping inmates and creating page breaks?

Use first 2 characters of Cell. Note that the hyphen may appear either after the first 2 characters or between the first and 2nd character. Regardless, the first 2 characters should be used -- for example: For 3B-334-2, use 3B. For 2-CT-2A, use 2C. The exception is for inmates on the first floor--use entire string (e.g., 108, 111, etc).

Housing layout is Floor 1 (single cells), Floor 2 (units A-D), Floor 3 (units A-D).

Additional portion(s) of the housing unit field(s) to be used to indicate a specific location for individual inmates?

Entire string as it appears on the roster

Facility required special ordering of housing units

3A, 3B, 3C, 3D, 2B, 2C, 2D, 2A, all others

How to identify ineligible inmates that should be excluded prior to sampling

PRE-ARRAIGNED: About 10-12 arrested each day. See magistrate within 24 hours. Facility will separately provide list of names of those who are scheduled to see magistrate that day.
WORK RELEASE: Approximately 2 inmates. Facility will provide names separately via email.

How to identify eligible inmates who cannot be interviewed if sampled

N/A

More Sampling

From OK to WOW!!!

- User Selects a Facility
 - Sampling Page Displays with Detailed Data
- Links are available for
 - Logistics Report
 - Status Report
 - Field Interviewer Summary Report if interviews have begun
 - Activities Report

Dashboard Reporting

Sampling Information

Facility information

Facility status: Not Started Data collection dates: 1/9/2012 - 1/13/2012
 Population: 2091 Gender(s) held by facility: Male
 Inmates under 18: 5

General roster information

Who is providing the roster?

Governing Body Facility NS

Roster format

Excel spreadsheet (.xls) ▼

Transmission method

Email ▼

Roster comments

See note re exclusion below otherwise same as other Oregon DOC facilities like OR012. No facility specific example roster needed.

Roster Items

Item	Availability	Notes
Unique identifier	<input type="radio"/> On roster <input type="radio"/> Separate <input checked="" type="radio"/> NA	
First name	<input type="radio"/> On roster <input type="radio"/> Separate <input checked="" type="radio"/> NA	

Facility Information

POR005-
 GB-GDOR001-Oregon
 Population-2091
 Field Team-23
 Cycle- 2
 LM
 RS-
 FS-
 Stat
 Scheduled-1/9/2012

Task Manager

[Add task](#)
[Add activity](#)

Organization Reports

[Logistics Plan](#) ←
[Status Report](#) ←
 FI Summary Spreadsheet
[Activities Report](#) ←



FEDCASIC Inmate Survey
Data Collection Logistics Plan
 March 26, 2012 - FINAL

Logistics

FEDCASIC Penetentiary
 15 W Any St
 Washington, DC

Logistics Manager: Tammy Bullock
Contact: (919) 541-6000 TBBullock@RTI.ORG

Scheduling Details

Dates of data collection:	1/9/2012 - 1/13/2012
Days/times interviewing is planned:	7:00 - 3:45
Count times:	10:45-12:00 <i>Can interviewing continue?</i> Yes In the interest of completing interviewing by 3:45 each facility will allow interviewing to continue during counts. However, some delays are to be expected.
Meal times:	10:45-12:00 <i>Can interviewing continue?</i> Yes In the interest of completing interviewing by 3:45 each facility will allow interviewing to continue during meals. some delays are to be expected.

Room Availability Details

Room availability:	<i>Total number of available interviewing areas:</i> 7
	<i>Total number of interviewing areas to be used simultaneously:</i> 7
	<i>Days/times certain rooms not available:</i> n/a

FI Summary Reports – Tracks FI Activity

								OS Comparison Total Report	
								FI Cumulative Totals	
								CMS Data Totals	
FI Name	ID/Site	143	200	101	102	103	104		
LARSON, PENNY	537258	0	7	0	0	0	0		
LARSON, PENNY	567	0	7	0	0	0	0		
SMITH, JANELLE	642025	6	28	0	0	0	0		
SMITH, JANELLE	520	6	28	0	0	0	0		
DOUGH, LINDA	647339	7	21	0	0	0	0		
DOUGH, LINDA	457	8	4	0	0	0	0		

Questions



Contact Information

Maria Hobbs

Direct Dial (919) 541-8718

Email: mhobbs@rti.org

Skype: maria.hobbs2