

Basic Reporting Using State Bridge (VPHIB)

Presented by: Carol B. Pugh, PharmD MS
Informatics Coordinator
Office of EMS

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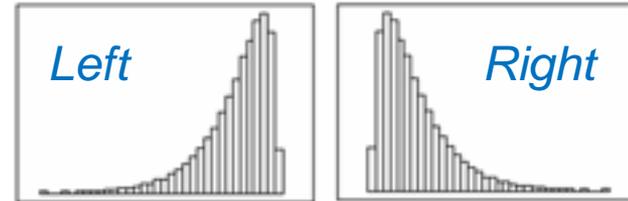
Objectives

- Provide a brief overview of the descriptive statistics used to summarize large amounts of data
- Describe the strengths and limitations of data from the Virginia Pre Hospital Information Bridge (VPHIB)
- Demonstrate how to use the Report Writer 2.0 tool in VPHIB to
 - Use existing reports
 - Create *ad hoc* analytical reports using the data cube

Numbers are Numbers - NOT!

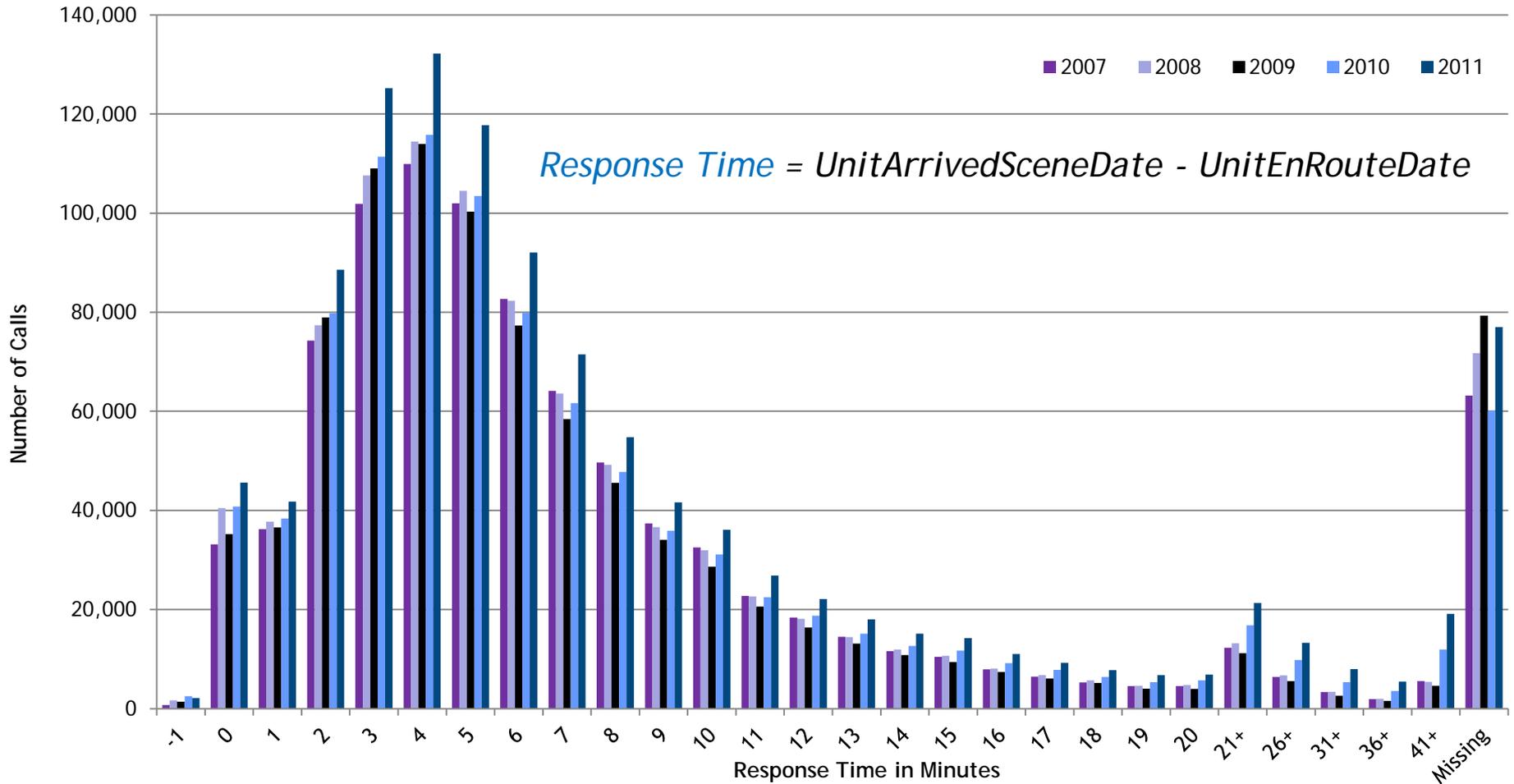
- Groups of numbers (*distributions* or *probability distributions*) don't always look the same
- “Bell shaped curve” or *Normal distribution*
 - Very common (mean +/- standard deviation)
 - Not the only way numbers like to congregated!
- MANY other distributions exist, but you don't need to know about them *BUT* . . .
 - You should be aware of two other common distributions, *left skewed* and *right skewed*

Skewed Distributions



- *Skewness* is a measure of asymmetry
 - Named for the location of the *tail* of the distribution
- Right skewed data are very common in health care
 - Characterized by *asymmetry*
 - Measure of *central tendency* (middle) = *median*
 - Measure of *spread* (variability) = *inter-quartile range (IQR)* represents middle 50% of the data
 - 75th percentile value - 25th percentile value
- Let's apply our new found knowledge to some actual Virginia EMS data . . .

Example: Distribution of VPHIB Data*



* Includes all reported calls, regardless of call type or destination

Example: Statistics for VPHIB Data*

Response Time in Minutes (UnitArrivedSceneDate - UnitEnRouteDate)					
	2007	2008	2009	2010	2011
N Calls	860,368	885,636	842,018	910,883	1,054,323
N Missing Values	63,197	71,742	79,339	60,132	76,995
Minimum	-1,439.0	-1,439.0	-525,585.0	-4,733,277.1	-527,032.0
01st Percentile	0.0	0.0	0.0	0.0	0.0
05th Percentile	1.0	1.0	1.0	0.9	1.0
10th Percentile	2.0	2.0	2.0	2.0	2.0
25th Percentile	3.0	3.0	3.0	3.0	3.0
Median	5.0	5.0	5.0	5.0	5.0
75th Percentile	8.0	8.0	8.0	8.7	9.0
90th Percentile	13.0	13.0	13.0	15.0	16.0
95th Percentile	18.0	18.0	17.0	21.0	24.0
99th Percentile	34.0	33.0	31.0	46.3	55.0
Maximum	1,439.0	1,439.0	1,471.0	3,682,086.2	4,207,687.5
Average	7.5	5.8	4.9	16.3	18.8
Standard Deviation	63.7	77.5	577.3	6,696.8	5,327.8

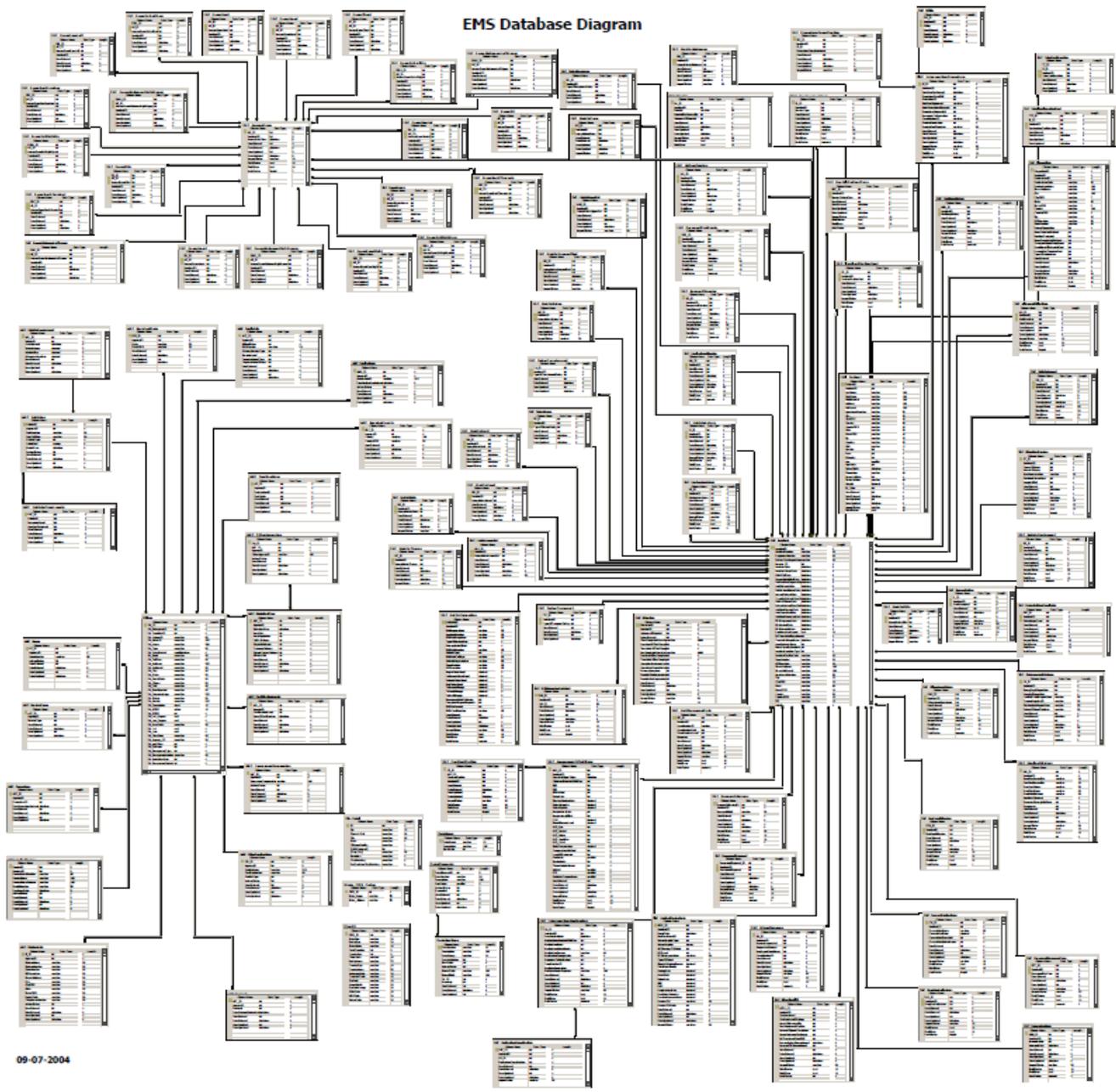
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Virginia Pre Hospital Information Bridge

- EMS data submission is mandated by the Code of Virginia § 32.1-116.1 and EMS regulations
- Current minimum dataset (VPHIB) was officially adopted on February 6, 2010 by the State Board of Health
- All EMS responses are required to be submitted to OEMS *WITHIN 30 DAYS* in the format prescribed by OEMS
- Agencies may submit above and beyond this minimum dataset if desired to collect further information on an agency, locality, or regional level

VPHIB Characteristics

- Strengths
 - Potentially rich source of information
 - Includes all aspects of patient care by all levels of EMS personnel
- Limitations
 - Older data (pre mid-2010) not as complete
 - Not all agencies submit data in a timely manner
 - Difficult to follow a patient across time
 - Known flaws in several data fields
 - Probable unknown flaws in other data fields



VPHIB Database Diagram

Note: *Many
of the tables
are truncated!*

<https://vphib.vdh.virginia.gov/>

Introduction to VPHIB Resources - 1

Services Data Exchange Dispatch **More** Welcome, Carol Pugh Logout

IMAGE TREND
EMS SERVICE BRIDGE

Dashboard Incidents Modules Staff Setup

Click for Help

ALERT

Alerts and Notices

Next VPHIB Version 3 Open Forum Meeting 10/9/13 @ 3:00 EST.

In preparation for the move of VPHIB to the new version 3 (VAv3) format, VPHIB program staffs are hosting a monthly webinar meeting, on the second Wednesday of each month at 3:00 PM, to provide education, information, dispel myths, answer questions, and allow EMS agencies in attendance to communicate with each other to as a source of peer support.

Agenda - October Meeting

- Demonstration on how add agency fields and map them correctly back to the State dataset. (using v2 as an example)
- Question and answer period to ask OEMS VAv3 questions.
- Agency to agency questions (may not be needed this month).

To JOIN the meeting and be automatically dialed in: To access the presentation go to www.intercall.com/genesys/go AND call toll free 1-866-233-9464. The meeting/room number is *6663691* and you will be asked for this when signing in on both the phone and on-line portions of the webinar.

For Help, Information, News, and other Resources go to the VPHIB Support Suite

Go to: <http://oemssupport.kayako.com/>

E-mail: support@OEMSSupport.kayako.com

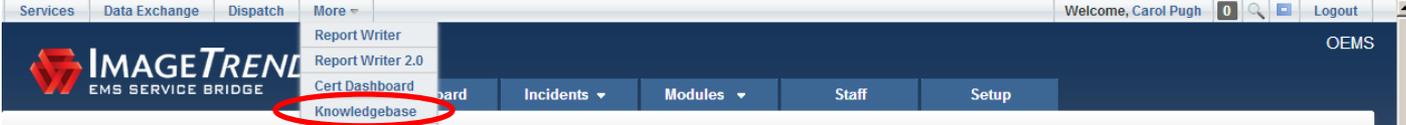
Call: (804) 888-9149

Please use the VPHIB contact info above. Contacting staff directly can cause delays

VAv3 will be implemented between 7/1/14 and 12/31/13. What do agencies need to do to prepare for VAv3?

- If your agency uses Field Bridge (State license) or paper run forms you do not need to do anything at this time. OEMS will provide more information when we are closer to changing Field Bridge or the paper run form.
- If you submit to VPHIB using 3rd party EMS software, via a billing company, or have your own ImageTrend Service Bridge,
 - Plan your agencies migration to VAv3 through your vendor or billing company.
 - Ensure they know you have to submit in the current format until 7/1/14.
 - Ensure they know you cannot submit run information in the current VPHIB format after 12/31/14.
 - Ensure you will have consistent submissions during your agency's transition. Formal notice of the change to VAv3 began on 2/1/2012.
- Remember to ensure your agreements are for a "Virginia" compliant product. Each state will have requirements that exceed NEMESIS compliance.

Introduction to VPHIB Resources - 2



Services | Data Exchange | Dispatch | More ▾ | Welcome, Carol Pugh | 0 | Logout

Report Writer
Report Writer 2.0
Cert Dashboard
Knowledgebase
Help
User Voice
Inbox

Incidents ▾ | Modules ▾ | Staff | Setup

Click for Help

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Introduction to VPHIB Resources - 3a

Logout

Search GO Virginia Office of EMS I want to: Select from this list

Advanced Search

Virginia Department of Health KnowledgeBase

In an effort to better support the VPHIB program the Office of EMS is implementing a Support Suite program that will help us better manage requests for assistance. Effective immediately the following contact information should be used to seek assistance for the VPHIB program

- <http://oemssupport.kayako.com/> This website allows users to create and submit a requests for assistance, monitor the progress of the request and provides access to the VPHIB knowledge base and VPHIB News.
- Support@OEMSSupport.Kayako.com Sending a request for assistance via this e-mail address will place your request in the VPHIB Support Suite and provide you with a confirmation it has been received. Users can access the above website to check on the status of a request.
- (804)888-9149 – This is an OEMS telephone number setup solely to support the VPHIB program. By creating this new number OEMS will be able to provide more consistent access when staff are out of the office or otherwise unavailable.
- Help: Click on help in State Bridge to access ImageTrend University

Below is a broad list providing guidance to users with understanding who to contact for specific types of requests. So items are the responsibility of the Agency VPHIB Administrator, Office of EMS. Or ImageTrend Inc.

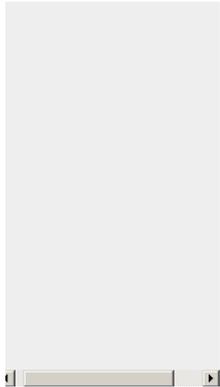
Individual Agency VPHIB Administrators Provide Support for:

- Forgotten User Name or Password
- Submit Provider Account Reactivation to OEMS
- Add/Remove Providers to Agency Roster
- Add User Defined Questions
- Maintain Agency Demographic Data (agency info, stations, vehicles, & Providers)
- Change agency level controlled State Bridge and Field Bridge Features

The Office of EMS Provides Support for:

- General Virginia State Bridge & Field Bridge Information
- Assistance with Functions & Features
- “Associate” Providers User Accounts When They Belong to More Than One Agency
- Mandatory Reporting Requirement Questions
- Compliance Status
- Restore Inactive Users (must be an agency admin. to request re-activation)
- Report System Down/Outage
- Add Medications or Procedures to System
- Add New Agency or Hospital to the System
- Add Hospital Users to System
- Request Additional Report Writer Reports
- Submit Suggested Changes/Enhancements for Consideration

Introduction to VPHIB Resources – 3b



ImageTrend Inc. Provides Support for:

- Data Exchange Setup or Problems from 3rd Party Vendor Software of Self-Purchased ImageTrend Service Bridge
- Field Bridge Posting Errors
- Field Bridge Trouble Shooting
- “Application Exception” Errors
- Billing Interface Setup or Problems
- Web Browser Issues
- Obtain/Purchase Other ImageTrend Products

Contact Info for ImageTrend Support are:

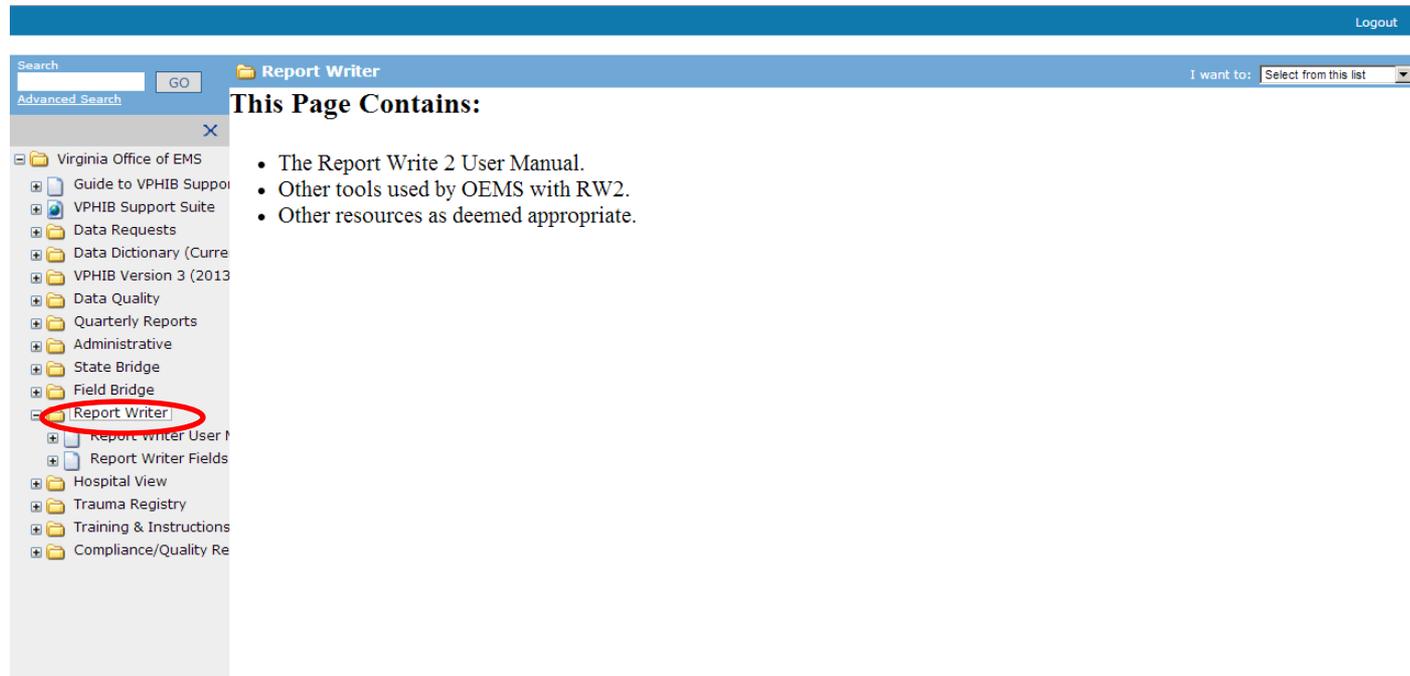
Help: Click on help in State Bridge to access ImageTrend University

ImageTrend Support Site: <http://support.imagetrend.com>

Telephone at (888)469-7789



Introduction to VPHIB Resources - 4



The screenshot displays a web application interface. At the top right, there is a 'Logout' link. Below it, a search bar contains the text 'Report Writer' and a 'GO' button. To the right of the search bar is a dropdown menu labeled 'I want to:' with the option 'Select from this list'. On the left side, there is a navigation menu with a search box and a close button. The menu items include: Virginia Office of EMS, Guide to VPHIB Support, VPHIB Support Suite, Data Requests, Data Dictionary (Current), VPHIB Version 3 (2013), Data Quality, Quarterly Reports, Administrative, State Bridge, Field Bridge, Report Writer (circled in red), Report Writer User Manual, Report Writer Fields, Hospital View, Trauma Registry, Training & Instructions, and Compliance/Quality Reporting.

This Page Contains:

- The Report Write 2 User Manual.
- Other tools used by OEMS with RW2.
- Other resources as deemed appropriate.

Introduction to VPHIB Resources - 5

The screenshot shows a web application interface. At the top right, there is a 'Logout' link. Below it, a search bar contains the text 'Report Writer User Manual' and a 'GO' button. To the right of the search bar is a dropdown menu labeled 'I want to:' with the option 'Select from this list'. On the left side, there is a navigation menu with a search icon and a list of folders and files. The 'Report Writer' folder is expanded, and its sub-items, 'Report Writer User Manual' and 'Report Writer Fields', are highlighted with red and blue circles respectively. The main content area on the right features the 'IMAGETREND REPORT WRITER' logo, which includes a blue folder icon. Below the logo, the text 'Report Writer' and 'Creating a Report' is displayed.

Introduction to VPHIB Resources - 6

This Page Contains:

- The current full VPHIB Data Dictionary (required data elements, fields, and quality standards.)
- A short list of the current required list of data elements.
- The short list plus submission schedule.
- List of medications accepted by VPHIB (additional meds can be added upon request.)
- List of hospital codes accepted by VPHIB (all hospitals must be reported using their OEMS assigned codes.)
- List of procedures active accepted by VPHIB (additional procedures can be added upon request.)
- List of inactive procedures that can be utilized when mapping third party software to VPHIB.
- The most current export of VPHIB's validation rules (these are likely to change without notice, typically on the last day of the month.)
- The most current export of our validation rules with additional detail. The detailed export has not functioned since January 2012. This function is expected to be fixed with the release of v5.5 in August or September of 2012.

Introduction to VPHIB Resources - 7

The screenshot shows a web application interface for the Virginia Pre-Hospital Information Bridge (VPHIB) Data Dictionary v2 (Current). The interface includes a search bar at the top left with a "GO" button and a "Logout" link at the top right. A navigation menu on the left lists various resources, with "Data Dictionary v2 (Current)" highlighted in red. The main content area displays the Virginia Office of Emergency Medical Services logo and the text "Virginia Pre-Hospital Information Bridge (VPHIB) Data Element Dictionary" and "Rev. 9/23/2011". The footer of the page reads "Virginia Department of Health".

Search GO Data Dictionary v2 (Current) I want to: Select from this list

Advanced Search

- Virginia Office of EMS
 - Guide to VPHIB Support
 - VPHIB Support Suite
 - Data Requests
 - Data Dictionary (Current)
 - Data Dictionary v2 (Current)**
 - Minimum Dataset Elements
 - Minimum Dataset & Medication List
 - Procedure List Active
 - Procedure List Inactive
 - Validation Rule Explanations
 - Validation Rules Details
 - Hospital Code List
 - VPHIB Version 3 (2013)
 - Data Quality
 - Quarterly Reports
 - Administrative
 - State Bridge
 - Field Bridge
 - Report Writer
 - Hospital View
 - Trauma Registry
 - Training & Instructions
 - Compliance/Quality Reports


Virginia Pre-Hospital Information Bridge (VPHIB)
Data Element Dictionary

Rev. 9/23/2011

Virginia Department of Health

Introduction to VPHIB Resources - 8

The screenshot displays the VPHIB Data Dictionary v2 (Current) interface. The left sidebar shows a tree view of resources, with 'Data Dictionary v2 (Current)' selected and circled in red. The main content area displays a 'Table of Contents' with a list of data elements and their corresponding page numbers.

Code	Element Name	Page Number
	Document Instructions	5
D01_01	EMS Agency Number	8
D01_02	EMS Agency Name	9
D01_03	EMS Agency State	10
D01_04	EMS Agency City/County	11
D01_08	Organizational Type	12
D01_09	Organization Status	13
D01_21	National Provider Identifier	14
D02_10	Agency Contact Email Address	15
D04_04	Procedures	16
D04_06	Medication List	18
D05_01	Station Name	20
D05_02	Station Number	21
D05_04	Station GPS	22
D05_05	Station Address	23
D05_06	Station City/County	24
D05_07	Station State	25
D05_08	Station Zip	26
D06_01	Unit/Vehicle Number	27
D06_03	Vehicle Type	28
D06_07	Vehicle Model Year	29
D07_02	State/License ID Number	30
D07_05	Personnel's Level of Certification/Licensure for Agency	31
D08_01	EMS Personnel's Last Name	32
D08_03	EMS Personnel's First Name	33
D08_15	State EMS Certification Licensure Level	34
E01_02	Software Creator	35
E01_03	Software Name	36
E01_04	Software Version	37
E02_01	EMS Agency Number	38
E02_02	Incident Number	39
E02_04	Type of Service Requested	40
E02_05	Primary Role of the Unit	41
E02_06	Type of Dispatch Delay	42
E02_07	Type of Response Delay	43
E02_08	Type of Scene Delay	44
E02_09	Type of Transport Delay	45
E02_10	Type of Turn-Around Delay	46
E02_12	EMS Unit Call Sign (Radio Number)	47
E02_20	Response Mode to Scene	48
E03_01	Complaint Reported by Dispatch	49
E03_02	EMD Performed	51
E04_01	Crew Member ID	52
E05_02	PSAP Call Date/Time	53
E05_03	Dispatch Notified Date/Time	54
E05_05	Unit En Route Date/Time	55

Introduction to VPHIB Resources - 9

TYPE OF SERVICE REQUESTED

E02_04

Required to be reported in VA – Yes
National Element - Yes

Definition

The type of service or category of service requested of the EMS service responding for this specific EMS incident.

Field Values

30 911 Response (Scene) (Default)	35 Rendezvous/Intercept
40 Interfacility Transfer (scheduled)	45 Medical Transport
50 Mutual Aid	55 Standby
410000 Interfacility Transfer (unscheduled)	410001 Flagdown/Walk-in Emergent
410002 Flagdown/Walk-in Non-emergent	

Introduction to VPHIB Resources - 10

INCIDENT/PATIENT DISPOSITION

E20_10

Required to be reported in VA – Yes
National Element - Yes

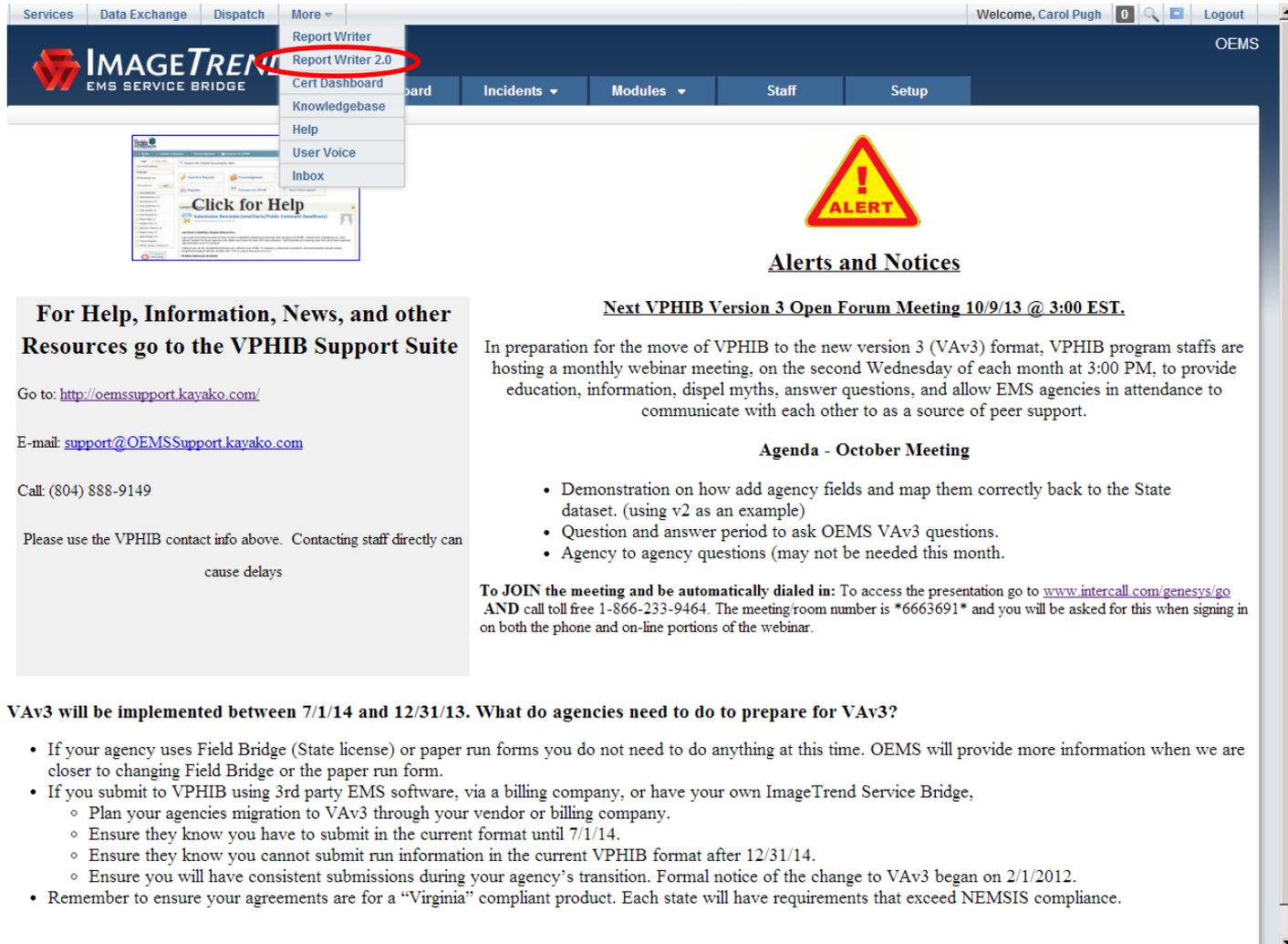
Definition

Type of disposition treatment and/or transport of the patient.

Field Values

- | | |
|---|--|
| 4815 Cancelled | 4820 Dead at Scene |
| 4825 No Patient Found | 4830 No Treatment Required |
| 4835 Patient Refused Care | 4840 Treated and Released |
| 4845 Treated, Transferred Care | 4850 Treated, Transported by EMS |
| 4855 Treated, Referred to Law Enforcement | 4860 Treated, Transported by Private Vehicle |
| 804003 Standby Only – No Patient Contacts | |

Using an Existing Report - 1



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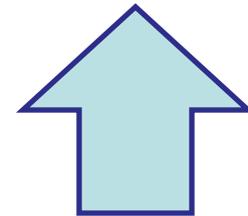
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Using an Existing Report - 2

The screenshot displays the IMAGE TREND EMS SERVICE BRIDGE web application. The top navigation bar includes 'Services', 'Data Exchange', 'Dispatch', and 'More'. The user is logged in as 'Carol Pugh' with an 'Admin' role. The left sidebar shows a tree view of reports, including 'Incident (12)', 'N/A or Requires Review', and 'Number of Incidents by Day 2011 (P)'. The main content area is titled 'Columns: Incidents by Destination' and shows a 'Data Set: Incident'. A 'Timeout Warning!' dialog box is overlaid on the screen, with a red header and a yellow warning triangle. The dialog text reads: 'You have been inactive for over 30 minute(s). Please click "Keep Session Alive" below to continue with your session. If you do not confirm, you will be automatically logged out of the system in 35 minute(s)'. The dialog has 'Keep Session Alive' and 'Close' buttons. A 'Continue' button is visible in the background interface.

Using an Existing Report - 4

<https://vphib.vdh.virginia.gov/reportwriter/>



Using an Existing Report - 5

Services Data Exchange Dispatch More

Welcome, Carol Pugh 0 Logout

IMAGE TREND
EMS SERVICE BRIDGE

OEMS

Create a Report

My Reports

- Audit Report (2)
- QA/QI (4)
- All Reports**
- Admin (20)
- Audit Report (43)
- Benchmark Reports (7)
- Billing (1)
- Call information (16)
- Clinical (2)
- Crew Members (3)
- Destination (4)
- Fire Reports (6)
- Incident (12)
- Medication (4)
- My Favorites (34)
- Patient Demographics (4)
- Provider Impression (1)
- QA/QI (15)
- QI (2)
- Response Disposition (3)
- Response Time (14)
- Run (Times) (4)
- Service Information (9)
- Staff Reports (1)

Create a Transactional Report
Admin: Export Validity Rule Comparisons
Billing: Billing
Incident: Incident, Injury Assessment, Medical Assessment
Operations: Agency Information, Staff, Training/Activities

Create an Analytical Report
Admin: Incidents Cube

Create an Exploratory Pie Chart
Admin: Incidents Cube

Create a Map Report

Using an Existing Report - 6

The screenshot displays the IMAGETREND EMS SERVICE BRIDGE web application. At the top, there is a navigation bar with links for Services, Data Exchange, Dispatch, and More. The user is identified as Carol Pugh, with Admin privileges. The main header features the IMAGETREND logo and a 'Generate Report' button. On the left, a sidebar lists various report categories, with 'Incidents by Destination' highlighted in blue. The main content area shows the configuration for this report. The 'Columns' tab is selected and circled in red. The 'Criteria' tab is also circled in purple. The 'Data Set' is set to 'Incident'. The 'Select Columns' section shows a list of available columns on the left and a list of selected columns on the right. The selected columns include Date0: Incident Date, Incident Number, Call Number, Response Disposition, and Destination Name. A 'Continue' button is located at the bottom right of the configuration area.

Services Data Exchange Dispatch More Welcome, Carol Pugh Admin 0 Logout

IMAGETREND EMS SERVICE BRIDGE OEMS

Crew Members (3)
Destination (4)
EMS Regional Councils PI (1)
Fire Reports (6)
Incident (12)
IncidentDownload_ALL
IncidentDownload_NEW
IncidentDownload_SmartB
IncidentDownload02
Incidents by Destination
N/A or Requires Review
Number of Incidents by Day 2011 (P)
Number of Incidents by Disposition 2011 (P)
Number of Incidents by Month 2011 (P)
Number of Incidents by Month 2012
RSI
RSI02
Medication (4)
My Favorites (35)
Patient Demographics (4)
Provider Impression (1)
QA/QI (15)
QI (2)
Response Disposition (3)
Response Time (14)
Run (Times) (4)
Service Information (12)

Columns Display Grouping Sorting Criteria Actions Generate Report »

Columns: Incidents by Destination
Data Set: Incident Change View

Select Columns
Search:
Available
AED Use Prior to Ambulance w/Pulse Return
AED Use Prior to Ambulance
AED Used During Resuscitation
ALS Assessment Performed and Warranted
AMA Type
Abdomen Final
Abdomen Initial
Address Apt. No.
Address City
Address County
Address Override
...
Selected
Date0: Incident Date
Incident Number
Call Number
Response Disposition
Destination Name
up
down
Continue

Using an Existing Report - 7

Services Data Exchange Dispatch More Welcome, Carol Pugh Admin 0 Logout

IMAGETREND
EMS SERVICE BRIDGE OEMS

Create a Report

My Reports

- Admin (13)
- Audit Report (53)
- EMS Regional Councils PI (2)
- My Favorites (10)
- QA/QI (12)
- Service Information (2)

All Reports

- Admin (20)
- Audit Report (46)
- Benchmark Reports (7)
- Billing (1)
- Call information (16)
- Clinical (2)
- Crew Members (3)
- Destination (4)
- EMS Regional Councils PI (1)
- Fire Reports (6)
- Incident (12)
- Medication (4)
- My Favorites (35)
- Patient Demographics (4)
- Provider Impression (1)
- QA/QI (15)

Columns Display Grouping Sorting Criteria Actions

Incidents by Destination

Filter Your Results

Service Name: contains Fairfax

Incident Date: is between 7/1/13 Today and 7/31/13 Today

Hide Filters: Yes No

Records Per Page: 500

Generate

Using an Existing Report - 8

Services Data Exchange Dispatch More Welcome, Carol Pugh Admin 0 Logout

IMAGETREND
EMS SERVICE BRIDGE OEMS

Create a Report

My Reports

- Admin (13)
- Audit Report (53)
- EMS Regional Councils PI (2)
- My Favorites (10)
- QA/QI (12)
- Service Information (2)

All Reports

- Admin (20)
- Audit Report (46)
- Benchmark Reports (7)
- Billing (1)
- Call information (16)
- Clinical (2)
- Crew Members (3)
- Destination (4)
- EMS Regional Councils PI (1)
- Fire Reports (6)
- Incident (12)
- Medication (4)
- My Favorites (35)
- Patient Demographics (4)
- Provider Impression (1)
- QA/QI (15)

Columns Display Grouping Sorting Criteria Actions Generate Report »

Printed: 10/22/2013 at 10:55 AM Export

Incidents by Destination

Destination Name: Washington Hospital Center				Number of Records: 2
Incident Date	Incident Number	Call Number	Patient Disposition	
7/15/13	131960543	131960543	Treated, Transported by EMS	
7/17/13	1314073022	131973022	Treated, Transported by EMS	

Destination Name: Virginia Hospital Center				Number of Records: 219
Incident Date	Incident Number	Call Number	Patient Disposition	
7/1/13	E131822786	E131822786	Treated, Transported by EMS	
7/1/13	E131820024	E131820024	Treated, Transported by EMS	
7/2/13	E131830697	E131830697	Treated, Transported by EMS	
7/1/13	E131821240	E131821240	Treated, Transported by EMS	
7/1/13	E131821787	E131821787	Treated, Transported by EMS	
7/2/13	E131830165	E131830165	Treated, Transported by EMS	
7/2/13	E131830291	E131830291	Treated, Transported by EMS	
7/2/13	E131830557	E131830557	Treated, Transported by EMS	
7/2/13	E131830988	E131830988	Treated, Transported by EMS	
7/1/13	E131820371	E131820371	Treated, Transported by EMS	
7/2/13	E131831868	E131831868	Treated, Transported by EMS	
7/3/13	E131840294	E131840294	Treated, Transported by EMS	
7/3/13	E131840490	E131840490	Treated, Transported by EMS	
7/3/13	E131842631	E131842631	Treated, Transported by EMS	
7/4/13	E131851000	E131851000	Treated, Transported by EMS	
7/4/13	E131851525	E131851525	Treated, Transported by EMS	
7/4/13	E131851910	E131851910	Treated, Transported by EMS	
7/4/13	E131851963	E131851963	Treated, Transported by EMS	
7/4/13	E131852415	E131852415	Treated, Transported by EMS	
7/5/13	E131860278	E131860278	Treated, Transported by EMS	
7/5/13	E131860324	E131860324	Treated, Transported by EMS	
7/4/13	E131850317	E131850317	Treated, Transported by EMS	
7/6/13	E131871700	E131871700	Treated, Transported by EMS	
7/6/13	F131872666	F131872666	Treated, Transported by EMS	

Using an Existing Report - 9

Create a Report

My Reports

- Admin (13)
- Audit Report (53)
- EMS Regional Councils PI (2)
- My Favorites (10)
- QA/QI (12)
- Service Information (2)

All Reports

- Admin (20)
- Audit Report (46)
- Benchmark Reports (7)
- Billing (1)
- Call information (16)
- Clinical (2)
- Crew Members (3)
- Destination (4)
- EMS Regional Councils PI (1)
- Fire Reports (6)
- Incident (12)
- Medication (4)
- My Favorites (35)
- Patient Demographics (4)
- Provider Impression (1)
- QA/QI (15)
- QI (2)
- Response Disposition (3)

7/8/13	E131892606	E131892606	Treated, Transported by EMS
7/8/13	E131892843	E131892843	Treated, Transported by EMS
7/9/13	E131900407	E131900407	Treated, Transported by EMS
7/10/13	E131910740	E131910740	Treated, Transported by EMS
7/10/13	E131910819	E131910819	Treated, Transported by EMS
7/10/13	E131911343	E131911343	Treated, Transported by EMS
7/10/13	E131911344	E131911344	Treated, Transported by EMS
7/9/13	E131902199	E131902199	Treated, Transported by EMS
7/9/13	E131902167	E131902167	Treated, Transported by EMS
7/9/13	E131901930	E131901930	Treated, Transported by EMS
7/9/13	E131902028	E131902028	Treated, Transported by EMS
7/9/13	E131902026	E131902026	Treated, Transported by EMS
7/9/13	E131902150	E131902150	Treated, Transported by EMS
7/9/13	E131901320	E131901320	Treated, Transported by EMS
7/9/13	E131901365	E131901365	Treated, Transported by EMS
7/9/13	E131901023	E131901023	Treated, Transported by EMS
7/9/13	E131900969	E131900969	Treated, Transported by EMS
7/9/13	E131900969	E131900969	Treated, Transported by EMS
7/9/13	E131901002	E131901002	Treated, Transported by EMS
7/9/13	E131902508	E131902508	Treated, Transported by EMS
7/9/13	E131900780	E131900780	Treated, Transported by EMS
7/9/13	E131900815	E131900815	Treated, Transported by EMS
7/8/13	E131890336	E131890336	Treated, Transported by EMS

Total Records: 500

Report Filters

- Service Name: contains 'Fairfax'
- Incident Date: is between 7/1/13' and 7/31/13'

Report Criteria

- Incident Date: Is On or After 1/1/12
- Region Name: Begins With Northern

Records 1-500 of 11,590 | First | Previous | Next | Page 1 | Per Page 500

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Using an Existing Report - 10

The screenshot displays the EMS Service Bridge interface. On the left, there are navigation menus for 'My Reports' and 'All Reports'. The main area shows a report titled 'Incidents by Destination' for 'Washington Hospital Center'. An 'Export Options' dialog box is overlaid on the report, offering various export formats: Print, PDF, Excel (highlighted), Map, Graph, Doc, HTML, and XML. A red circle highlights the 'Export' button in the top right corner of the report area. The background table lists incident details.

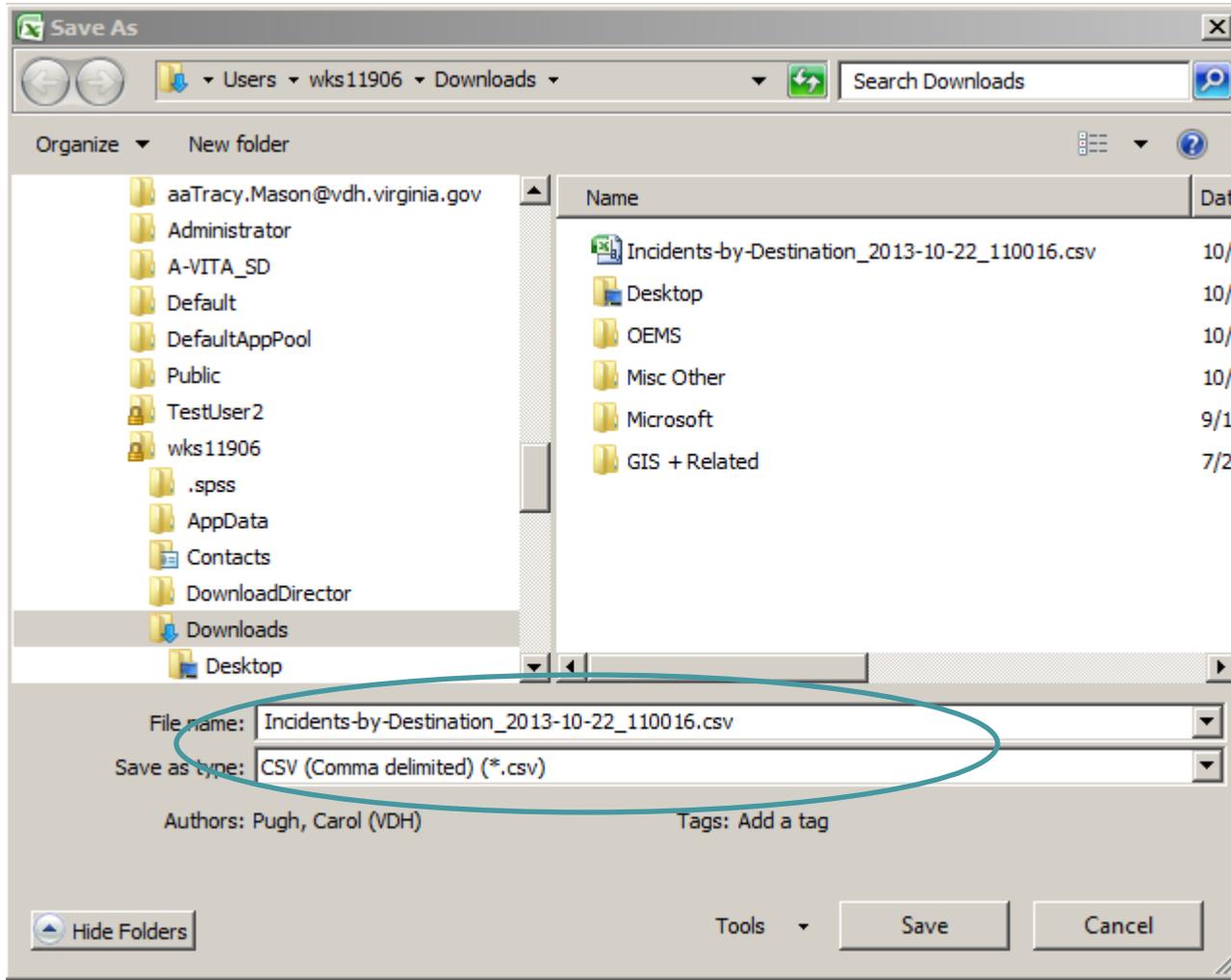
Incident Date	Incident Number	Call Number	Patient Disposition	Number of Records
7/15/13				2
7/17/13				
7/1/13				219
7/1/13				
7/2/13				
7/1/13				
7/1/13				
7/2/13				
7/2/13				
7/2/13				
7/2/13				
7/1/13				
7/2/13				
7/3/13				
7/3/13				
7/3/13				
7/4/13				
7/4/13				
7/4/13				
7/4/13				
7/4/13	E131852415	E131852415	Treated, Transported by EMS	
7/5/13	E131860278	E131860278	Treated, Transported by EMS	
7/5/13	E131860324	E131860324	Treated, Transported by EMS	
7/4/13	E131850317	E131850317	Treated, Transported by EMS	
7/6/13	E131871700	E131871700	Treated, Transported by EMS	
7/6/13	E131872666	E131872666	Treated, Transported by EMS	
7/6/13	E131871220	E131871220	Treated, Transported by EMS	
7/5/13	E131860931	E131860931	Treated, Transported by EMS	
7/5/13	E131861741	E131861741	Treated, Transported by EMS	

Using an Existing Report - 11

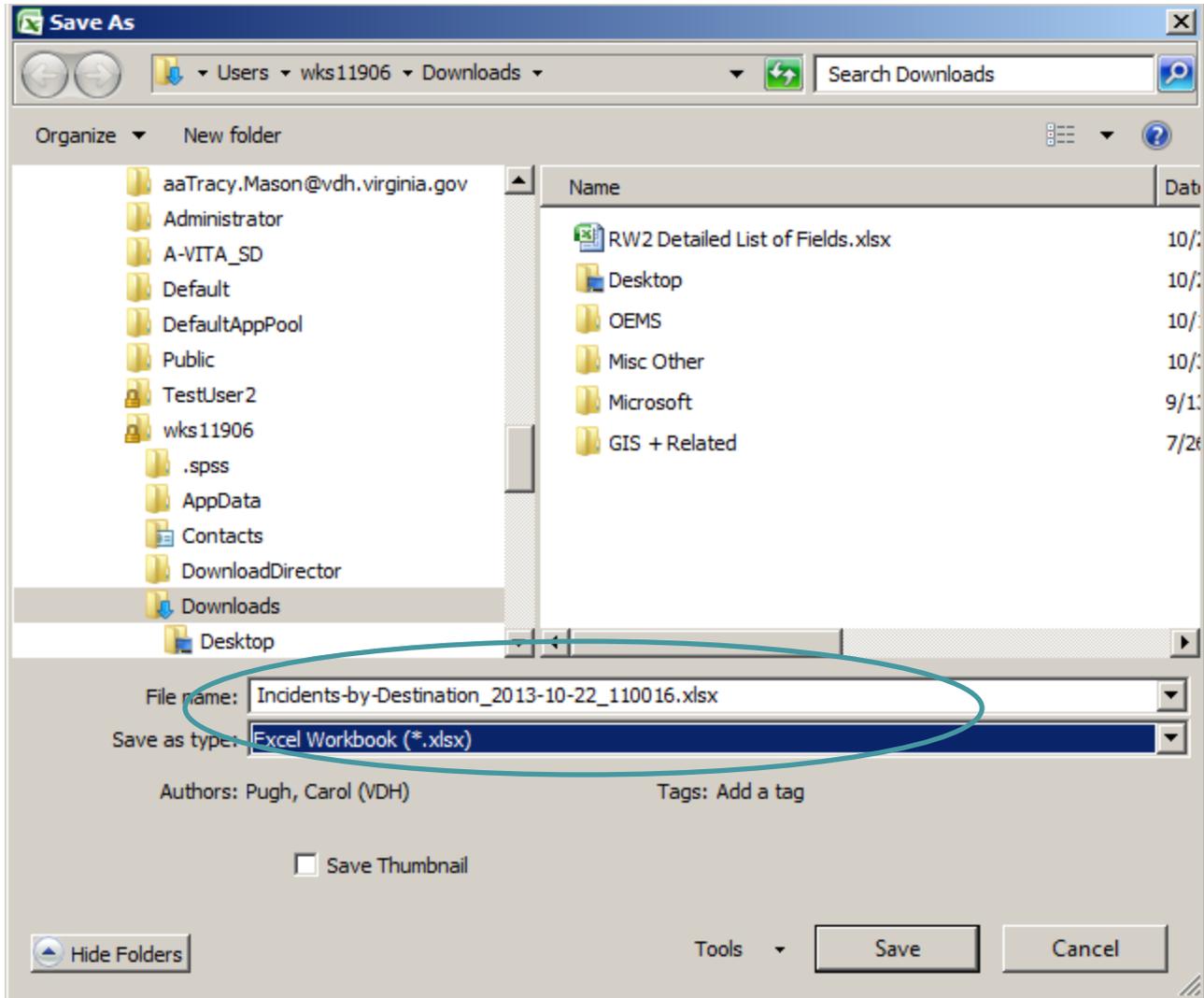
The screenshot shows the Microsoft Excel interface with the 'Incident' ribbon highlighted in the top toolbar. The spreadsheet contains a table with the following data:

	A	B	C	D	E	F	G	H	I	J	K	L
1	Incident Date	Incident Number	Call Number	Patient Disposition	Destination Name							
2	7/15/2013	131960543	131960543	Treated, Transported by EMS	Washington Hospital Center							
3	7/17/2013	131973022	131973022	Treated, Transported by EMS	Washington Hospital Center							
4	7/20/2013	E132011627	E132011627	Treated, Transported by EMS	Virginia Hospital Center							
5	7/15/2013	E131961089	E131961089	Treated, Transported by EMS	Virginia Hospital Center							
6	7/15/2013	E131960900	E131960900	Treated, Transported by EMS	Virginia Hospital Center							
7	7/15/2013	E131961194	E131961194	Treated, Transported by EMS	Virginia Hospital Center							
8	7/12/2013	E131931606	E131931606	Treated, Transported by EMS	Virginia Hospital Center							
9	7/12/2013	E131931661	E131931661	Treated, Transported by EMS	Virginia Hospital Center							
10	7/12/2013	E131931002	E131931002	Treated, Transported by EMS	Virginia Hospital Center							
11	7/12/2013	E131931606	E131931606	Treated, Transported by EMS	Virginia Hospital Center							
12	7/17/2013	E131982493	E131982493	Treated, Transported by EMS	Virginia Hospital Center							
13	7/17/2013	E131981089	E131981089	Treated, Transported by EMS	Virginia Hospital Center							
14	7/17/2013	E131981211	E131981211	Treated, Transported by EMS	Virginia Hospital Center							
15	7/17/2013	E131981478	E131981478	Treated, Transported by EMS	Virginia Hospital Center							
16	7/17/2013	E131980926	E131980926	Treated, Transported by EMS	Virginia Hospital Center							
17	7/18/2013	E131990248	E131990248	Treated, Transported by EMS	Virginia Hospital Center							
18	7/19/2013	E132001708	E132001708	Treated, Transported by EMS	Virginia Hospital Center							
19	7/19/2013	E132002424	E132002424	Treated, Transported by EMS	Virginia Hospital Center							
20	7/19/2013	E132001303	E132001303	Treated, Transported by EMS	Virginia Hospital Center							
21	7/19/2013	E132001804	E132001804	Treated, Transported by EMS	Virginia Hospital Center							
22	7/19/2013	E132002122	E132002122	Treated, Transported by EMS	Virginia Hospital Center							
23	7/19/2013	E132001093	E132001093	Treated, Transported by EMS	Virginia Hospital Center							
24	7/19/2013	E132002860	E132002860	Treated, Transported by EMS	Virginia Hospital Center							
25	7/19/2013	E132002263	E132002263	Treated, Transported by EMS	Virginia Hospital Center							
26	7/18/2013	E131990672	E131990672	Treated, Transported by EMS	Virginia Hospital Center							
27	7/18/2013	E131992635	E131992635	Treated, Transported by EMS	Virginia Hospital Center							
28	7/19/2013	E132000472	E132000472	Treated, Transported by EMS	Virginia Hospital Center							
29	7/18/2013	E131993068	E131993068	Treated, Transported by EMS	Virginia Hospital Center							
30	7/18/2013	E131990782	E131990782	Treated, Transported by EMS	Virginia Hospital Center							
31	7/18/2013	E131991171	E131991171	Treated, Transported by EMS	Virginia Hospital Center							
32	7/18/2013	E131991373	E131991373	Treated, Transported by EMS	Virginia Hospital Center							
33	7/18/2013	E131991393	E131991393	Treated, Transported by EMS	Virginia Hospital Center							
34	7/18/2013	E131991905	E131991905	Treated, Transported by EMS	Virginia Hospital Center							
35	7/22/2013	E132030938	E132030938	Treated, Transported by EMS	Virginia Hospital Center							
36	7/23/2013	E132040046	E132040046	Treated, Transported by EMS	Virginia Hospital Center							
37	7/20/2013	E132011823	E132011823	Treated, Transported by EMS	Virginia Hospital Center							
38	7/21/2013	E132021997	E132021997	Treated, Transported by EMS	Virginia Hospital Center							
39	7/21/2013	E132020314	E132020314	Treated, Transported by EMS	Virginia Hospital Center							
40	7/22/2013	E132031661	E132031661	Treated, Transported by EMS	Virginia Hospital Center							

Using an Existing Report - 12



Using an Existing Report - 13



Creating an Analytical Report - 1

The screenshot displays the IMAGETREND EMS SERVICE BRIDGE interface. At the top left is the logo for IMAGETREND EMS SERVICE BRIDGE. At the top right, there is a link for "OEMS Rescue Squad". Below the header is a "Create a Report" button and a search bar. A sidebar on the left lists "My Reports" and "All Reports" with various categories and counts. The main content area features five report creation options, each with an icon and a list of associated data sources. The "Create an Analytical Tabular Report" option is circled in red.

IMAGETREND
EMS SERVICE BRIDGE

OEMS Rescue Squad

Create a Report

Search

My Reports

- No Category (1)
- Admin (13)
- Audit Report (53)
- Billing (2)
- Data Quality (1)
- Demographics (4)
- Destination (1)
- EMS Regional Councils PI (4)
- Grant Reports (1)
- My Favorites (16)
- QA/QI (13)
- Run (Times) (2)
- Service Information (2)
- Staff Reports (2)

All Reports

- Admin (28)
- Audit Report (46)

Create a Transactional Report
Admin: Export Validity Rule Comparisons
Billing: Billing
Destination: Destination, Destination New
Incident: Incident, Incident - PI, Incident Admin, Injury Assessment, Medical Assessment, Signatures
Operations: Agencies, Agency Information, Staff, Training/Activities

Create an Analytical Tabular Report
Incident: Incidents Cube

Create an Analytical Chart Report
Incident: Incidents Cube

Create an Exploratory Pie Chart
Incident: Incidents Cube

Create a Map Report

Creating an Analytical Report - 2a

IMAGETREND
EMS SERVICE BRIDGE

OEMS Rescue Squad

Create a Report

Search

My Reports

- Audit Report (2)
- My Favorites (1)
- QA/QI (4)

All Reports

- Admin (28)
- Audit Report (43)
- Benchmark Reports (7)
- Billing (1)
- Call information (16)
- Clinical (2)
- Crew Members (4)
- Demographics (4)
- Destination (5)
- EMS Regional Councils PI (1)
- Fire Reports (6)
- Grant Reports (1)
- Incident (11)

Design | Display | Actions | View

Data Set: Incidents Cube

Basic Options | Filters

Measures:

Available

- Avg Arrive At Patient To Destination Time In Minutes
- Avg Days To Enter Response
- Avg EMS Chute Time In Minutes
- Avg EMS Dispatch Time In Seconds
- Avg EMS Scene Response Time In Minutes
- Avg EMS Scene Time In Minutes
- Avg EMS Scene To Patient Time In Minutes
- Avg EMS System Response Time In Minutes
- Avg EMS Total Call Time In Minutes
- Avg EMS Transport Time In Minutes
- Avg EMS Turnaround Time In Minutes
- Avg Medication To Patient Arrived At Destination In Minutes

Selected

up

down

MEASURES

Rows:

Available

- Agency City (D02_05)
- Agency County (Agency County)
- Agency State (D02_06)
- Agency Zip Code (D02_07)
- Airbag Deployment (E10.09)
- Alcohol Drug Use Indicators (E12.19)
- Area Of The Vehicle Implicated By The Collision (E10.05)
- Average Census Income at Incident Location
- Barriers To Patient Care (E12.31)
- Billing Condition Code (E07_35)
- Cardiac Arrest (E11.01)
- Cardiac Arrest Etiology (E11.02)

Selected

up

down

Apply | Cancel

Creating an Analytical Report - 2b

The screenshot displays the IMAGE TREND EMS SERVICE BRIDGE interface. The top right corner identifies the user as "OEMS Rescue Squad". The main area is titled "Symptoms / All Responses".

Left Sidebar:

- Create a Report** (button)
- Search** (input field)
- My Reports**
 - Audit Report (2)
 - My Favorites (1)
 - QA/QI (4)
- All Reports**
 - Admin (28)
 - Audit Report (43)
 - Benchmark Reports (7)
 - Billing (1)
 - Call information (16)
 - Clinical (2)
 - Crew Members (4)
 - Demographics (4)
 - Destination (5)
 - EMS Regional Councils PI (1)
 - Fire Reports (6)
 - Grant Reports (1)
 - Incident (11)

Main Configuration Area:

Rows:

- Available:** Agency City (D02_05), Agency County (Agency County), Agency State (D02_06), Agency Zip Code (D02_07), Airbag Deployment (E10.09), Alcohol Drug Use Indicators (E12.19), Area Of The Vehicle Implicated By The Collision (E10.05), Average Census Income at Incident Location, Barriers To Patient Care (E12_01), Billing Condition Code (E07_35), Cardiac Arrest (E11.01), Cardiac Arrest Etiology (E11.02)
- Selected:** (Empty)
- Buttons:** up, down

Columns:

- Available:** Agency City (D02_05), Agency County (Agency County), Agency State (D02_06), Agency Zip Code (D02_07), Airbag Deployment (E10.09), Alcohol Drug Use Indicators (E12.19), Area Of The Vehicle Implicated By The Collision (E10.05), Average Census Income at Incident Location, Barriers To Patient Care (E12_01), Billing Condition Code (E07_35), Cardiac Arrest (E11.01), Cardiac Arrest Etiology (E11.02)
- Selected:** (Empty)
- Buttons:** up, down

Annotations:

- A red circle highlights a grid icon labeled "ROWS" next to the Rows configuration.
- A red circle highlights a grid icon labeled "COLUMNS" next to the Columns configuration.

Bottom Buttons: Apply, Cancel

Creating an Analytical Report - 3a

Design | Display | Actions ▾ | View ▾ | Data Set: Incidents Cube

Basic Options | Filters ⓘ

Measures:

Available

- Avg Arrive At Patient To Destination Time In Minutes
- Avg Days To Enter Response
- Avg EMS Chute Time In Minutes
- Avg EMS Dispatch Time In Seconds**
- Avg EMS Scene Response Time In Minutes
- Avg EMS Scene To Patient Time In Minutes
- Avg EMS System Response Time In Minutes
- Avg EMS Total Call Time In Minutes
- Avg EMS Transport Time In Minutes
- Avg EMS Turnaround Time In Minutes
- Avg Medication To Patient Arrived At Destination In Minute

Selected

> <

up down

Creating an Analytical Report - 3b

Design Display Actions ▾ View ▾ Data Set: Incidents Cube

Basic Options Filters i

Measures:

Available

- Avg Medication To Patient Arrived At Destination In Minute
- Avg Outcome Length Of Hospital Stay In Days
- Avg Outcome Total ICU Days
- Avg Outcome Total Ventilator Days
- Avg Procedure To Patient Arrived At Destination In Minute
- Avg Symptom Onset To Arrived At Patient In Minutes
- Avg Symptom Onset To Medication In Minutes
- Avg Symptom Onset To Patient Arrived At Destination In M
- Avg Symptom Onset To Procedure In Minutes
- Avg Symptom Onset To PSAP Time In Minutes
- Avg Symptom Onset To Unit Arrived In Minutes
- Avg Validity Score

Selected

up

down

CAUTION!

Creating an Analytical Report - 3c

The screenshot shows a software interface for creating an analytical report. At the top, there are tabs for 'Design', 'Display', 'Actions', and 'View'. On the right, it indicates 'Data Set: Incidents Cube'. Below the tabs, there are two sub-tabs: 'Basic Options' and 'Filters'. The 'Measures' field is currently empty. Below this, there are two columns: 'Available' and 'Selected'. The 'Available' column contains a list of measures, with three items circled in red: 'Avg Validity Score', 'Count of Events', and 'Count of Responses'. The 'Selected' column is currently empty. There are navigation buttons between the columns: a right arrow (>) and a left arrow (<) between the columns, and 'up' and 'down' buttons on the right side of the 'Selected' column.

Creating an Analytical Report - 4a

The screenshot shows a software interface for creating an analytical report. At the top, there are tabs for "Design", "Display", "Actions", and "View". The "Design" tab is active. In the top right corner, it says "Data Set: Incidents Cube".

Below the tabs, there are three sub-tabs: "Basic Options", "Filters", and "Additional Options". The "Basic Options" sub-tab is active.

The interface is divided into two main sections: "Measures" and "Rows".

Measures Section:

- Measures:** An empty text box.
- Available:** A list of measures including:
 - Avg Symptom Onset To Patient Arrived At Destination In Mi
 - Avg Symptom Onset To Procedure In Minutes
 - Avg Symptom Onset To PSAP Time In Minutes
 - Avg Symptom Onset To Unit Arrived In Minutes
 - Count of Crew Members
 - Count of Medications Given
 - Count of Procedures Performed
 - Count of Services
 - Count of Symptoms
 - Medications Given / All Responses
 - Procedures Performed / All Responses
 - Symptoms / All Responses
- Selected:** A list of selected measures, circled in teal:
 - Count of Responses
 - Count of Events
 - Avg Validity Score
- Buttons:** ">" and "<" arrows between the lists, and "up" and "down" buttons to the right.
- MEASURES Button:** A yellow button with a grid icon and the text "MEASURES".

Rows Section:

- Rows:** An empty text box.
- Available:** A list of row fields including:
 - Prior Aid Outcome (E09_03)
 - Prior Aid Performed By (E09_02)
 - Procedure (E19.03)
 - Procedure Successful (E19.06)
 - Quarter (E05.04)
 - Reason CPR Discontinued (E11.10)
 - Reason For Choosing Destination (E20.16)
 - Response Delay Type (E02_07)
 - Response Mode To Scene (E02.20)
 - Response Number (E02.03)
 - Response To Medication (E18.07)
 - Response to Procedure (E19.08)
- Selected:** A list of selected row fields, with "Region" highlighted by a teal arrow:
 - Region
- Buttons:** ">" and "<" arrows between the lists, and "up" and "down" buttons to the right.
- ROWS Button:** A yellow button with a grid icon and the text "ROWS".

At the bottom of the interface, there are "Apply" and "Cancel" buttons.

Creating an Analytical Report - 4b

Design | Display | Actions ▾ | View ▾ | Data Set: Incidents Cube

Basic Options | **Filters** | Additional Options

Available

- Prior Aid Outcome (E09_03)
- Prior Aid Performed By (E09_02)
- Procedure (E19.03)
- Procedure Successful (E19.06)
- Quarter (E05.04)
- Reason CPR Discontinued (E11.10)
- Reason For Choosing Destination (E20.16)
- Response Delay Type (E02_07)
- Response Mode To Scene (E02.20)
- Response Number (E02.03)
- Response To Medication (E18.07)
- Response to Procedure (E19.08)

Selected

- Region

ROWS

Columns:

Available

- Intent of injury (E10.02)
- Mass Casualty Incident (E08.06)
- Medical History (E12.10)
- Medication Given (E18.03)
- Medication Route (E18.04)
- Month (E05.04)
- NASEMSO Region
- Notified Date (E05.04)
- Number Of Patients At Scene (E08.05)
- Organization Status (D01.09)
- Organization Type (D01.08)
- Other Symptoms (E09.14)

Selected

- Year (E05.04)

COLUMNS

Apply | Cancel

Creating an Analytical Report - 5a

Design Display Actions ▾ View ▾ Data Set: Incidents Cube

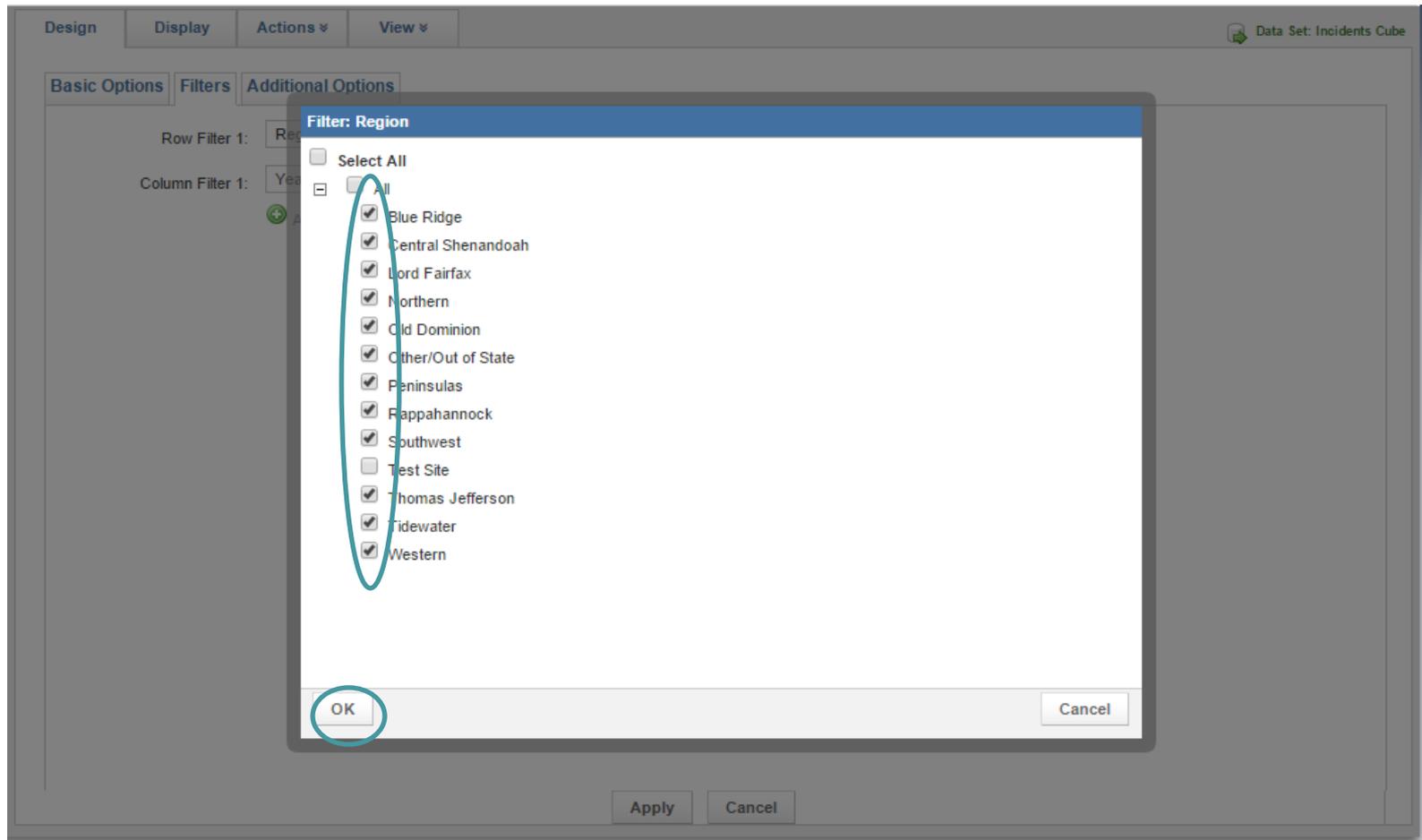
Basic Options **Filters** Additional Options

Row Filter 1: ←

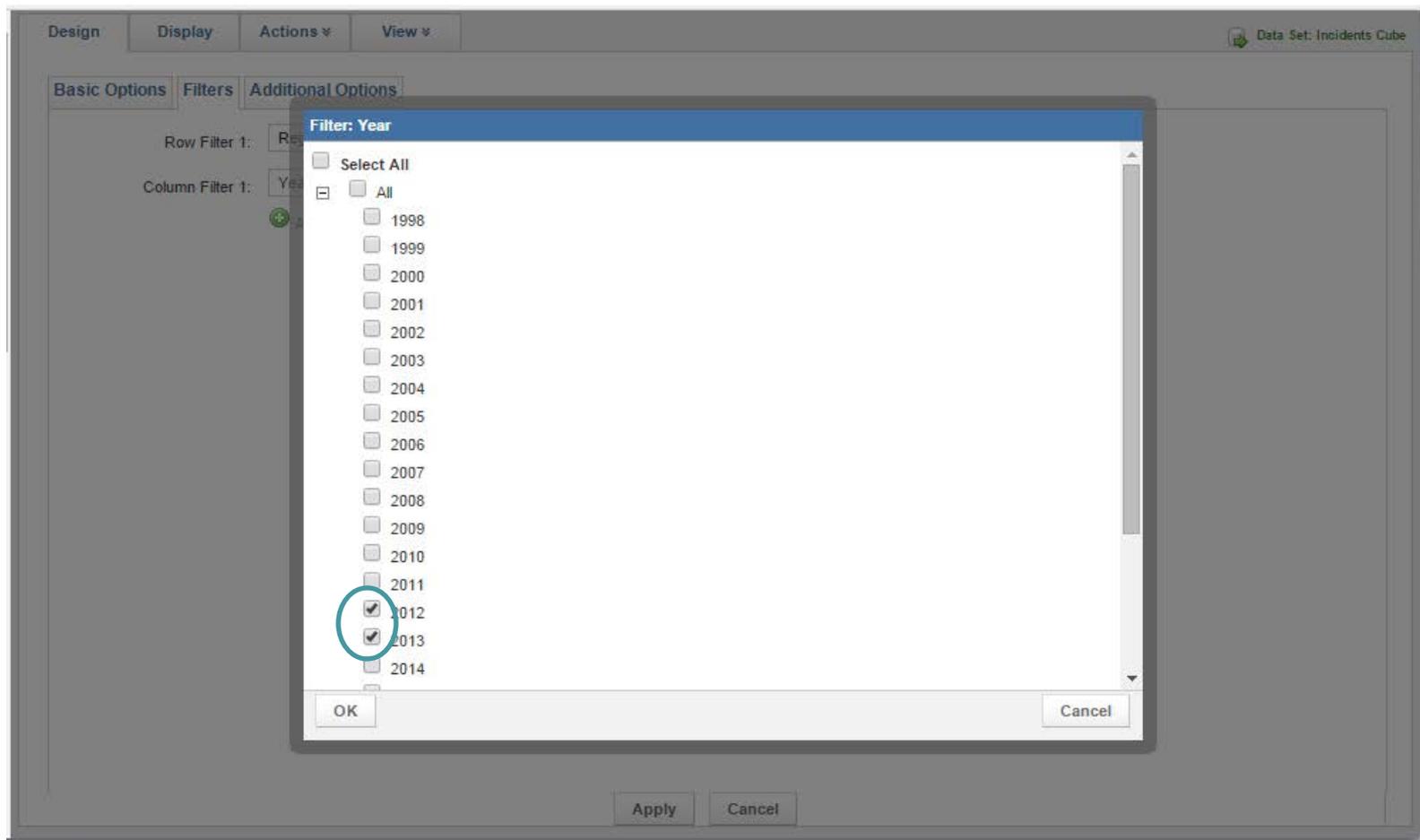
Column Filter 1: ←

 Add a Filter

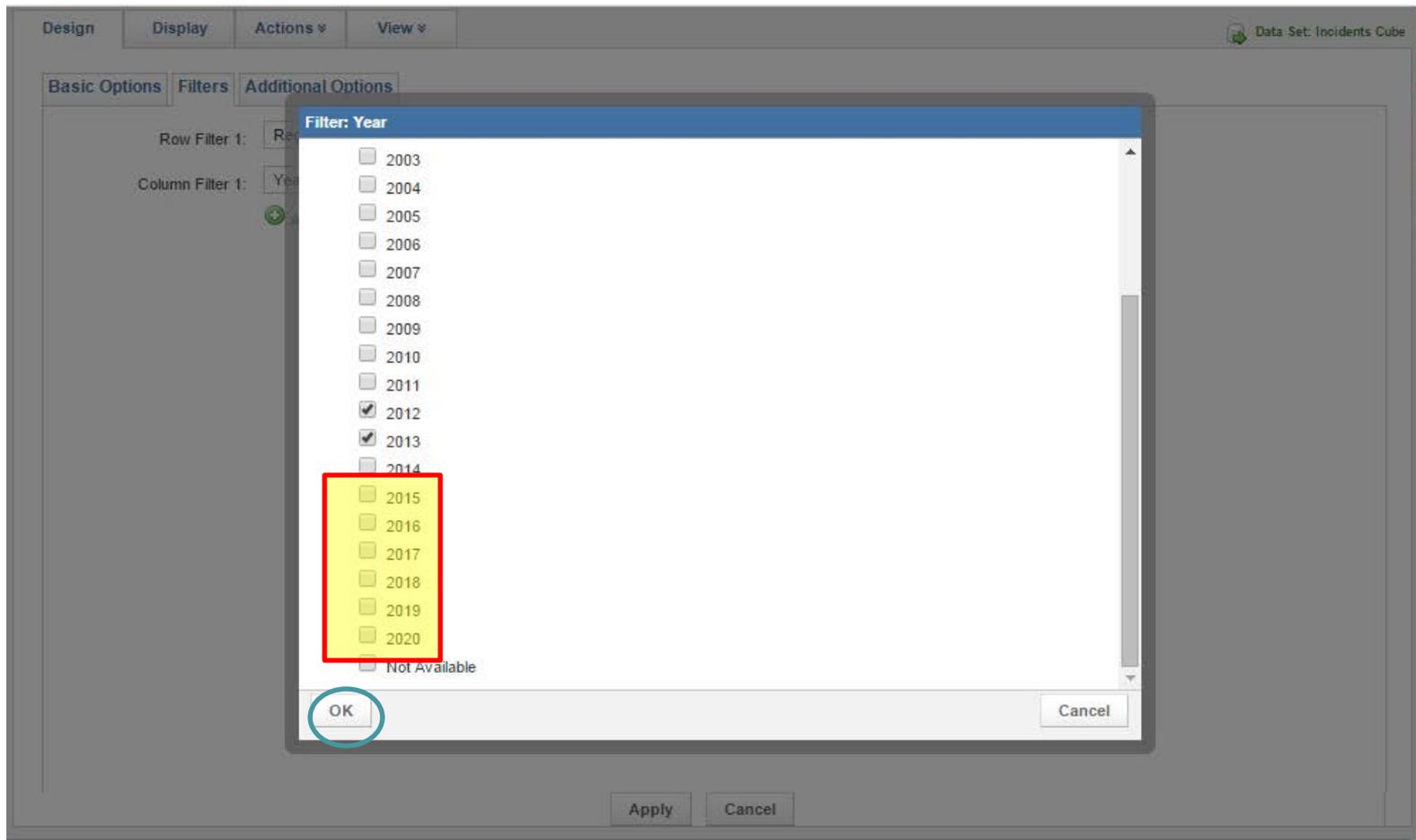
Creating an Analytical Report - 5b



Creating an Analytical Report - 5c



Creating an Analytical Report - 5d



Creating an Analytical Report - 5e

Design Display Actions ▾ View ▾ Data Set: Incidents Cube

Basic Options **Filters** Additional Options

Row Filter 1: Region ▾ All Each Selected... ←

Column Filter 1: Year (E05.04) ▾ All Each Selected... ←

+ Add a Filter

Apply Cancel

Creating an Analytical Report - 6a



Design Display Actions View Data Set: Incidents Cube

Year (E05.04)	2012			2013		
Region	Count of Responses	Count of Events	Avg Validity Score	Count of Responses	Count of Events	Avg Validity Score
Blue Ridge	50,057	38,932	91.90	53,294	43,181	93.83
Central Shenandoah	55,431	52,236	90.20	53,004	50,179	94.60
Lord Fairfax	34,569	33,554	91.93	33,390	32,508	97.59
Northern	246,464	170,573	83.06	280,610	178,801	94.98
Old Dominion	249,209	201,545	90.61	242,616	196,965	96.75
Other/Out of State	1,934	1,932	82.97	2,096	2,094	89.18
Peninsulas	89,374	83,380	94.37	109,241	100,776	95.22
Rappahannock	93,533	86,912	94.89	95,647	89,653	97.45
Southwest	85,403	78,812	93.71	87,711	78,894	96.39
Thomas Jefferson	36,332	34,969	95.39	35,392	33,571	97.73
Tidewater	168,070	119,485	91.96	176,507	152,413	95.77
Western	126,577	117,648	88.38	117,084	111,291	91.56

Date Generated: October 25, 2014 3:57.59 PM

Basic Options Filters Additional Options

Creating an Analytical Report - 6b

Design Display Actions ⌵ View ⌵ Data Set: Incidents Cube

Year (E05, 4)	Save	2013					
Region	Save As...	Events	Avg Validity Score	Count of Responses	Count of Events	Avg Validity Score	
Blue Ridge	Delete	8,932	91.90	53,294	43,181	93.83	
Central Shenandoah	Properties...	2,236	90.20	53,004	50,179	94.60	
Lord Fairfax	Permissions...	3,554	91.93	33,390	32,508	97.59	
Northern	Remove from My Reports	0,573	83.06	280,610	178,801	94.98	
Old Dominion	Export	1,545	90.61	242,616	196,965	96.75	
Other/Out of State		1,932	82.97	2,096	2,094	89.18	
Peninsulas		89,374	83,380	94.37	109,241	100,776	95.22
Rappahannock		93,533	86,912	94.89	95,647	89,653	97.45
Southwest		85,403	78,812	93.71	87,711	78,894	96.39
Thomas Jefferson		36,332	34,969	95.39	35,392	33,571	97.73
Tidewater		168,070	119,485	91.96	176,507	152,413	95.77
Western		126,577	117,648	88.38	117,084	111,291	91.56

Date Generated: October 25, 2014 4:22:41 PM

Basic Options Filters Additional Options

Creating an Analytical Report - 6c

Design Display Actions ▾ Data Set: Incidents Cube

Report Properties

Name: N Responses/N Events/Avg Validity Scores

Description: This is a demonstration report created for educational purposes. (Maximum characters: 200)

Category: Data Quality

Visible to Everyone: Yes No
Allow all users in the security group to see this report

Search: pugh

Add to My Reports For:

Available		Selected
Pugh, Bradley (00252)	>>	Pugh, Carol
Pugh, Amber (00147)	>	
PUGH, ASHLEY (00701)	<	
Pugh, Bradley (00404)	<<	
Pugh, Carol (98765)		
Pugh, Carol PI		
Pugh, Charles (00710)		
PUGH, CHRIS (00642)		
PUGH, ELMER (00404)		

Only the Top 1000 Users will display *Report will show under My Reports for these users*

Save Delete

Creating an Analytical Report - 6d

Design Display Actions ▾ View ▾

Display: N Responses/ N Events/Avg Validity Scores
Data Set: Incidents Cube

Year (E05.04)	2012			2013		
Region	Count of Responses	Count of Events	Avg Validity Score	Count of Responses	Count of Events	Avg Validity Score
Blue Ridge	50,057	38,932	91.90	53,294	43,181	93.83
Central Shenandoah	55,431	52,236	90.20	53,004	50,179	94.60
Lord Fairfax	34,569	33,554	91.93	33,390	32,508	97.59
Northern	246,464	170,573	83.06	280,610	178,801	94.98
Old Dominion	249,209	201,545	90.61	242,616	196,965	96.75
Other/Out of State	1,934	1,932	82.97	2,096	2,094	89.18
Peninsulas	89,374	83,380	94.37	109,241	100,776	95.22
Rappahannock	93,533	86,912	94.89	95,647	89,653	97.45
Southwest	85,403	78,812	93.71	87,711	78,894	96.39
Demonstration	36,332	34,969	95.39	35,392	33,571	97.73
Tidewater	168,070	119,485	91.96	176,507	152,413	95.77
Western	126,577	117,648	88.38	117,084	111,291	91.56

Date Generated: October 25, 2014 4:54:33 PM

Filters

Creating an Analytical Report - 7a

Design: N Responses/ N Events/Avg Validity Scores
Data Set: Incidents Cube

Design	Display	Actions	View	2013				
Year (E05.04)	Save			Events	Avg Validity Score	Count of Responses	Count of Events	Avg Validity Score
Region	Save As...							
Blue Ridge	Delete	3,932	91.90	53,294	43,181	93.83		
Central Shenandoah	Properties...	2,236	90.20	53,004	50,179	94.60		
Lord Fairfax	Permissions...	3,554	91.93	33,390	32,508	97.59		
Northern		0,573	83.06	280,610	178,801	94.98		
Old Dominion	Remove from My Reports	1,545	90.61	242,616	196,965	96.75		
Other/Out of State	Export			PDF...	2,096	2,094	89.18	
Peninsulas	Export	9,374	8	CSV...	109,241	100,776	95.22	
Rappahannock		93,533	86,912	94.89	95,647	89,653	97.45	
Southwest		85,403	78,812	93.71	87,711	78,894	96.39	
Thomas Jefferson		36,332	34,969	95.39	35,392	33,571	97.73	
Tidewater		168,070	119,485	91.96	176,507	152,413	95.77	
Western		126,577	117,648	88.38	117,084	111,291	91.56	

Date Generated: October 25, 2014 4:34:57 PM

Basic Options Filters Additional Options

Creating an Analytical Report - 7b

IMAGETREND
EMS SERVICE BRIDGE

Design | Display | Actions | View | Design: N Responses/ N Events/Avg Validity Scores | Data Set: Incidents Cube

Year (E05.04)	2012			2013			
	Region	Count of Responses	Count of Events	Avg Validity Score	Count of Responses	Count of Events	Avg Validity Score
Blue Ridge		50,057	38,932	91.90	53,294	43,181	93.83
Central Shenandoah		55,431	52,236	90.20	53,004	50,179	94.60
Lord Fairfax		34,569	33,554	91.93	33,390	32,508	97.59
Northern		246,464	170,573	83.06	280,610	178,801	94.98
Old Dominion		249,209	201,545	90.61	242,616	196,965	96.75
Other/Out of State		1,934	1,932	82.97	2,096	2,094	89.18
Peninsulas		89,374	83,380	94.37	109,241	100,776	95.22
Rappahannock		93,533	86,912	94.89	95,647	89,653	97.45
Southwest		85,403	78,812	93.71	87,711	78,894	96.39
Thomas Jefferson		36,332	34,969	95.39	35,392	33,571	97.73
Tidewater		168,070	119,485	91.96	176,507	152,413	95.77
Western		126,577	117,648	88.38	117,084	111,291	91.56

Date Generated: October 25, 2014 4:34:57 PM

Basic Options | Filters | Additional Options

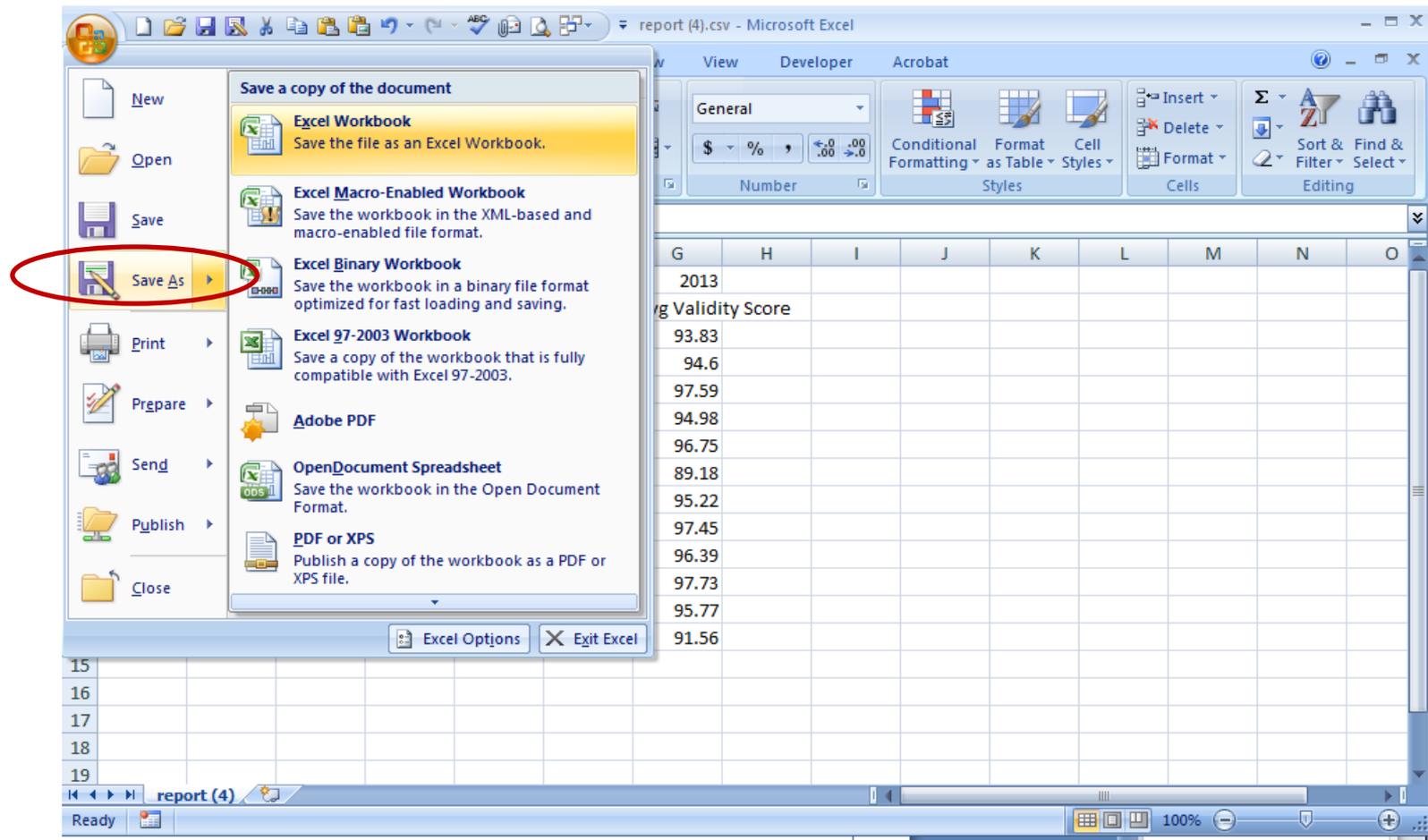
report (4).csv

Creating an Analytical Report - 7c

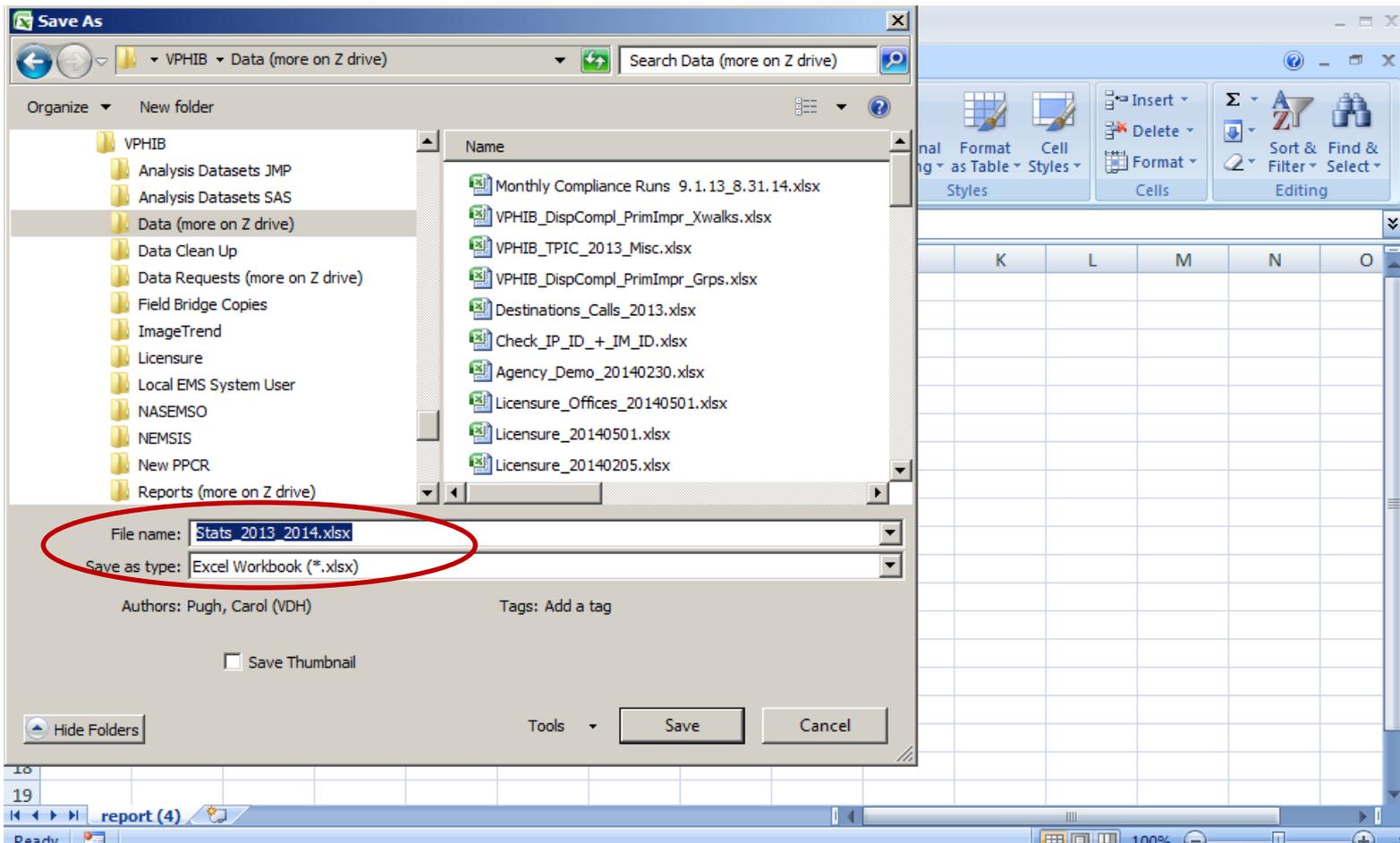
The screenshot shows the Microsoft Excel interface with a data table. The formula bar at the top displays 'Year (E05.04)', which is circled in red. The table contains data for various regions across multiple years (2012 and 2013).

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Year (E05.04)	2012	2012	2012	2013	2013	2013								
2	Region	Count of F	Count of E	Avg Validity	Count of F	Count of E	Avg Validity Score								
3	Blue Ridge	50,057	38,932	91.9	53,294	43,181	93.83								
4	Central Sh	55,431	52,236	90.2	53,004	50,179	94.6								
5	Lord Fairf	34,569	33,554	91.93	33,390	32,508	97.59								
6	Northern	246,464	170,573	83.06	280,610	178,801	94.98								
7	Old Domir	249,209	201,545	90.61	242,616	196,965	96.75								
8	Other/Ou	1,934	1,932	82.97	2,096	2,094	89.18								
9	Peninsula	89,374	83,380	94.37	109,241	100,776	95.22								
10	Rappahan	93,533	86,912	94.89	95,647	89,653	97.45								
11	Southwes	85,403	78,812	93.71	87,711	78,894	96.39								
12	Thomas Je	36,332	34,969	95.39	35,392	33,571	97.73								
13	Tidewater	168,070	119,485	91.96	176,507	152,413	95.77								
14	Western	126,577	117,648	88.38	117,084	111,291	91.56								
15															
16															
17															
18															
19															

Creating an Analytical Report - 7d



Creating an Analytical Report - 7e



Creating an Analytical Report - 7f

The screenshot shows the Microsoft Excel interface with the 'Home' ribbon selected. A red circle highlights the 'Home' ribbon tab. The spreadsheet displays a table titled 'Summary of VPHIB Data by EMS Region and Year'.

Summary of VPHIB Data by EMS Region and Year							
	2012			2013			
	Responses	Validity	Responses	Validity	Responses	Validity	
Region	(N) Events (N)	Score (Avg)	(N) Events (N)	Score (Avg)	(N) Events (N)	Score (Avg)	
Blue Ridge	50,057 38,932	91.9	53,294 43,181	93.83			
Central Shenandoah	55,431 52,236	90.2	53,004 50,179	94.60			
Lord Fairfax	34,569 33,554	91.93	33,390 32,508	97.59			
Northern	246,464 170,573	83.06	280,610 178,801	94.98			
Old Dominion	249,209 201,545	90.61	242,616 196,965	96.75			
Other/Out of State	1,934 1,932	82.97	2,096 2,094	89.18			
Peninsulas	89,374 83,380	94.37	109,241 100,776	95.22			
Rappahannock	93,533 86,912	94.89	95,647 89,653	97.45			
Southwest	85,403 78,812	93.71	87,711 78,894	96.39			
Thomas Jefferson	36,332 34,969	95.39	35,392 33,571	97.73			
Tidewater	168,070 119,485	91.96	176,507 152,413	95.77			
Western	126,577 117,648	88.38	117,084 111,291	91.56			
Total	1,236,953 1,019,978	---	1,286,592 1,070,326	---			

Final Thoughts - 1

- Some data items come from *“one to one”* matches with the incident data table
 - Patient demographics
 - Incident characteristics (type of service, patient disposition)
- Other data items come from *“one to many”* matches which can result in unintentional duplicate records
 - Vital signs
 - Procedures (and complications)
 - Medications (and complications)

Final Thoughts - 2

- The interface can be glacial in its speed
 - Best to think of this as a data extraction tool rather than a report writer
 - Use at “off” times (evenings, weekends) makes things move more quickly
 - Schedule reports to deliver the data to your Email Inbox

Questions?



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