

# Regional Surveillance



December, 2006

# Public Health Surveillance .Net

- Diane Smith, Robert Niezgoda, Ryan Talken, Theron Becker
- Dead Bird Surveillance...
- Water Testing Surveillance...
- ESSENCE...
- Regional Syndromic Testing...

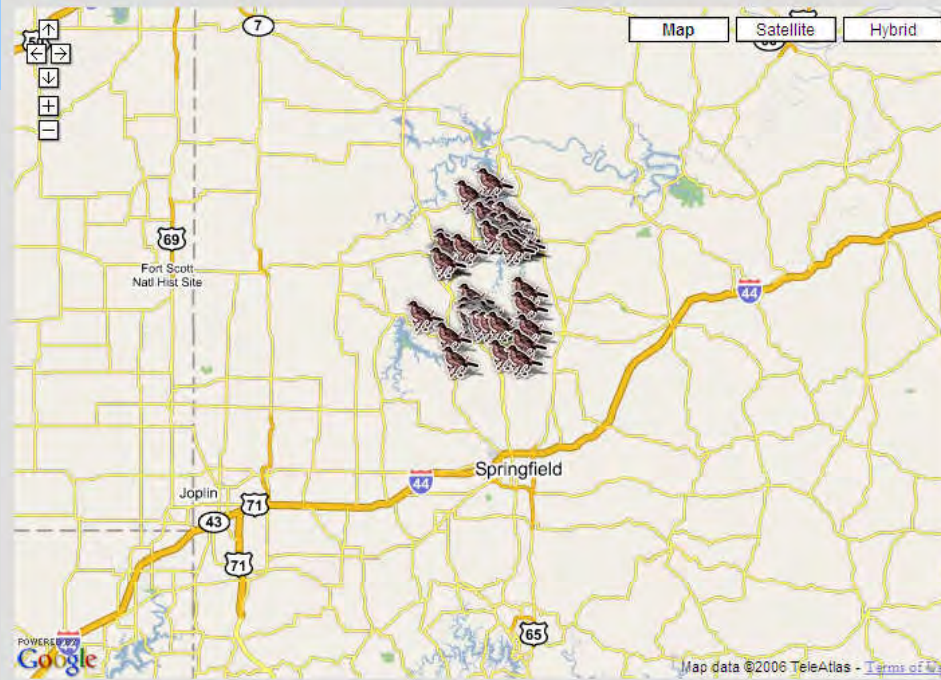
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# Dead Bird Surveillance

- Currently implemented in Polk & Hickory
- Click on location or type in
- Email sent to Theron to be included on map.
- [Live link](#) / [Local link](#)

Reports of dead birds are tracked to form trends and areas of risk to conduct further testing for diseases such as west nile and avian influenza.



To submit a dead bird report:

1) Find the location above, click on it to update the coordinates field below:

Coordinates:

\*note: If you KNOW you have a valid street address, you may type it in place of coordinates above (be sure to include street and city).

2) Your Name:

3) Your Email:

4) Reporting Party's Name:

5) Date Bird Found:

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Bolivar, Missouri

This page updated 11/16/2006  
by [Theron Becker](#)



# Public Health Surveillance .Net

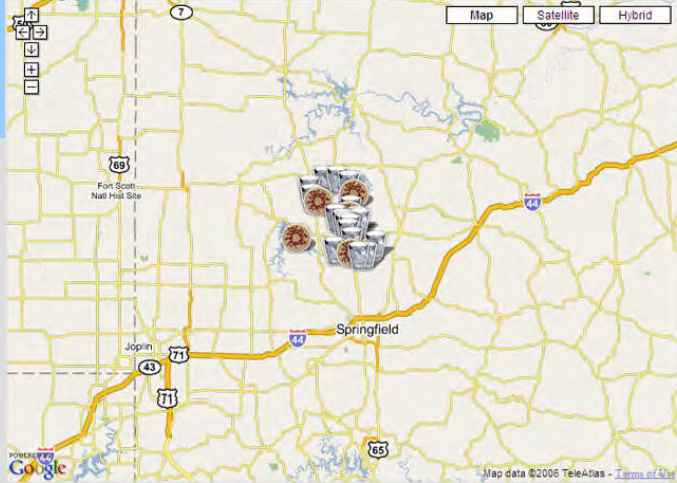
- Diane Smith, Robert Niezgoda, Ryan Talken, Theron Becker
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# Water Testing Surveillance

- Currently implemented in Polk
- Click on location or type in
- Email sent to Theron to be included on map.
- [Live link](#) / [Local link](#)

Public Health Surveillance .net

Water Testing Surveillance



Legend:

- Satisfactory Test
- E-Coli Present
- Coliform Present
- Both E-Coli and Coliform Present

To submit a water testing result:

- 1) Find the location above, click on it to update the coordinates field below OR enter 911 address below.  
Location:
- 2) Your name:
- 3) Your email:
- 4) Sample taker/submitter:
- 5) Date sample taken:
- 6) Resample test?
  - Yes
  - No
- 7) Supply type?
  - Private
  - Non-community public
  - Community public
- 8) Testing Results:

Download [Lab Record Form](#) (17 kb xls)

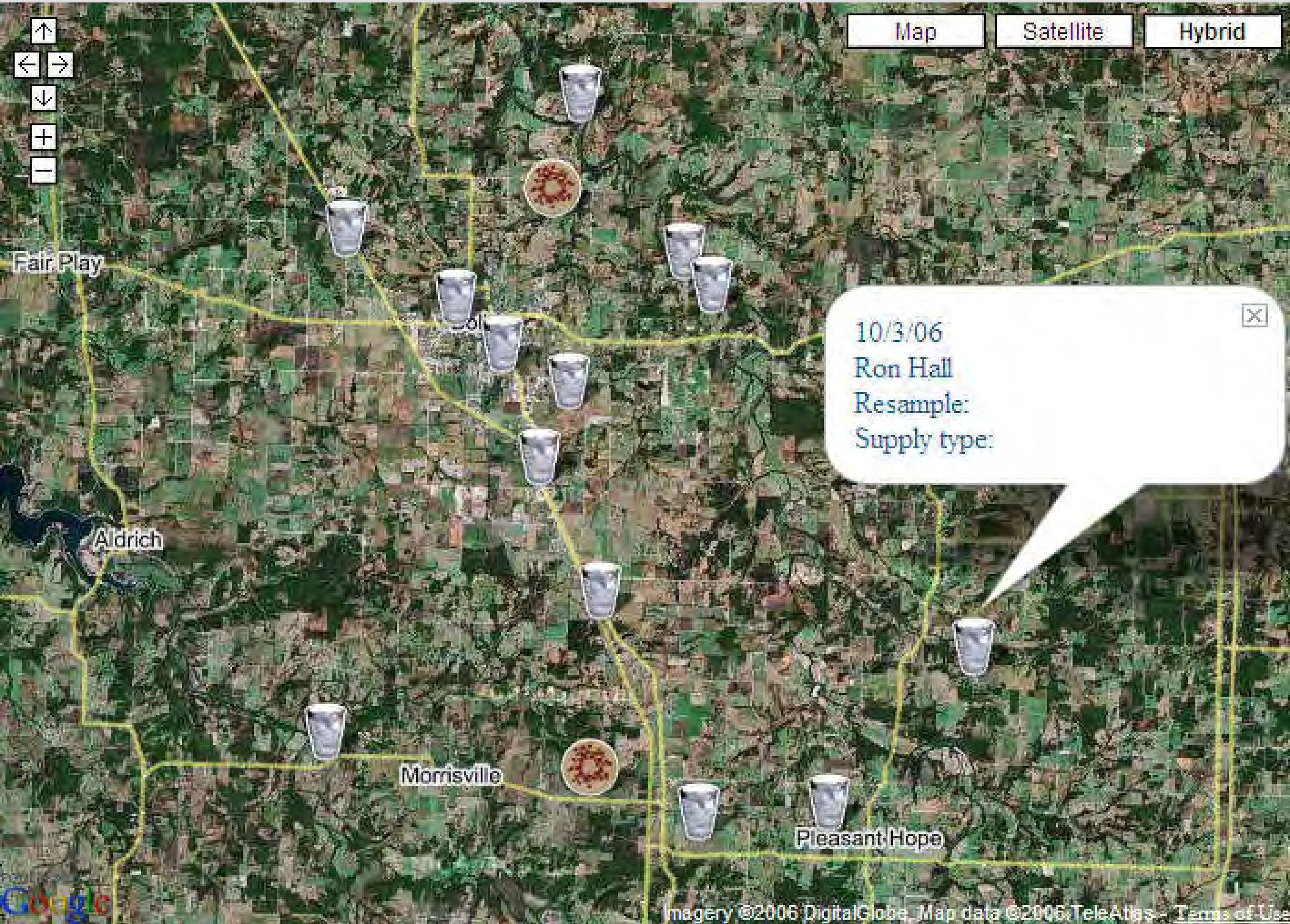
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Map

Satellite

Hybrid



10/3/06  
Ron Hall  
Resample:  
Supply type:

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# ESSENCE IV - Missouri

- [Live Link](#)



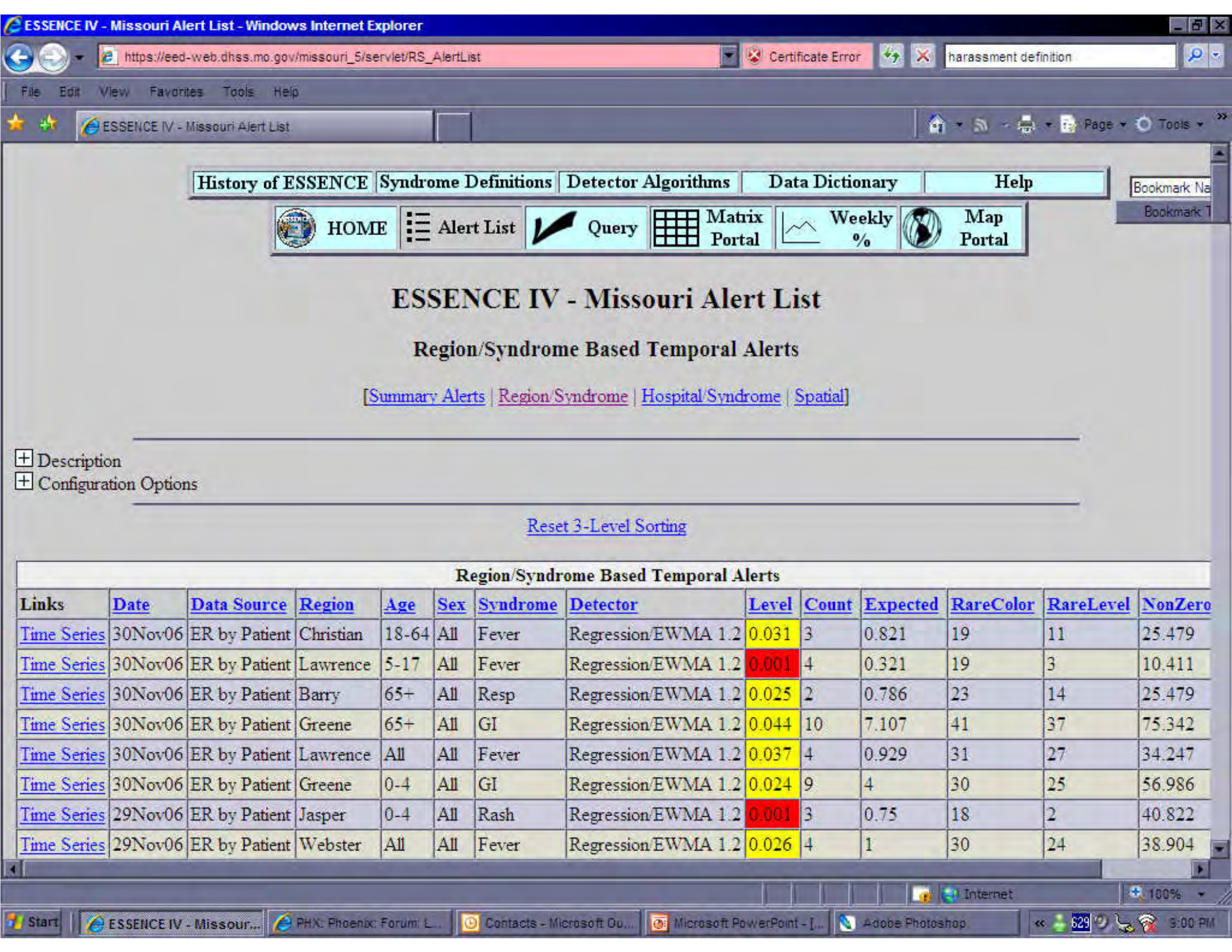
[History of ESSENCE](#)
[Syndrome Definitions](#)
[Detector Algorithms](#)
[Data Dictionary](#)
[Help](#)

HOME
 Alert List
 Query
 Matrix Portal
 Weekly %
 Map Portal

System Information	
Date	Description
01Dec06	Total reporting (40/48) hospitals for 30 Nov 2006 ... <i>(last updated at 01 Dec 2006 09:45:53)</i>
01Dec06	AlertList Detection ... <i>(last updated at 01 Dec 2006 11:32:23)</i>
01Dec06	Cluster Detection ... <i>(last updated at 01 Dec 2006 11:53:35)</i>

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*Your ability to access this information is granted with the expectation and understanding that you will comply with and not violate privacy information*



[History of ESSENCE](#) | [Syndrome Definitions](#) | [Detector Algorithms](#) | [Data Dictionary](#) | [Help](#)

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## ESSENCE IV - Missouri Alert List

### Region/Syndrome Based Temporal Alerts

[\[Summary Alerts\]](#) | [\[Region/Syndrome\]](#) | [\[Hospital/Syndrome\]](#) | [\[Spatial\]](#)

- Description
- Configuration Options

[Reset 3-Level Sorting](#)

**Region/Syndrome Based Temporal Alerts**

Links	Date	Data Source	Region	Age	Sex	Syndrome	Detector	Level	Count	Expected	RareColor	RareLevel	NonZero
<a href="#">Time Series</a>	30Nov06	ER by Patient	Christian	18-64	All	Fever	Regression/EWMA 1.2	0.031	3	0.821	19	11	25.479
<a href="#">Time Series</a>	30Nov06	ER by Patient	Lawrence	5-17	All	Fever	Regression/EWMA 1.2	0.001	4	0.321	19	3	10.411
<a href="#">Time Series</a>	30Nov06	ER by Patient	Barry	65+	All	Resp	Regression/EWMA 1.2	0.025	2	0.786	23	14	25.479
<a href="#">Time Series</a>	30Nov06	ER by Patient	Greene	65+	All	GI	Regression/EWMA 1.2	0.044	10	7.107	41	37	75.342
<a href="#">Time Series</a>	30Nov06	ER by Patient	Lawrence	All	All	Fever	Regression/EWMA 1.2	0.037	4	0.929	31	27	34.247
<a href="#">Time Series</a>	30Nov06	ER by Patient	Greene	0-4	All	GI	Regression/EWMA 1.2	0.024	9	4	30	25	56.986
<a href="#">Time Series</a>	29Nov06	ER by Patient	Jasper	0-4	All	Rash	Regression/EWMA 1.2	0.001	3	0.75	18	2	40.822
<a href="#">Time Series</a>	29Nov06	ER by Patient	Webster	All	All	Fever	Regression/EWMA 1.2	0.026	4	1	30	24	38.904

History of ESSENCE Syndrome Definitions Detector Algorithms Data Dictionary Help

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Bookmark Na  
Bookmark T

## ESSENCE IV - Missouri Time Series

Description

<b>Data Source</b>	ER by Patient
<b>Geography System</b>	Zipcode
<b>Zipcode</b>	65801, 65802, 65803, 65804, 65805, 65806, 65807, 65808
<b>Medical Grouping System</b>	ChiefComplaints
<b>ChiefComplaints</b>	^fever^,and,^rash^
<b>Medical Subgrouping</b>	All
<b>Age</b>	All
<b>Sex</b>	All
<b>Detector</b>	Regression/EWMA 1.2
<b>Start Date</b>	4Sep06
<b>End Date</b>	3Dec06

Configuration Options

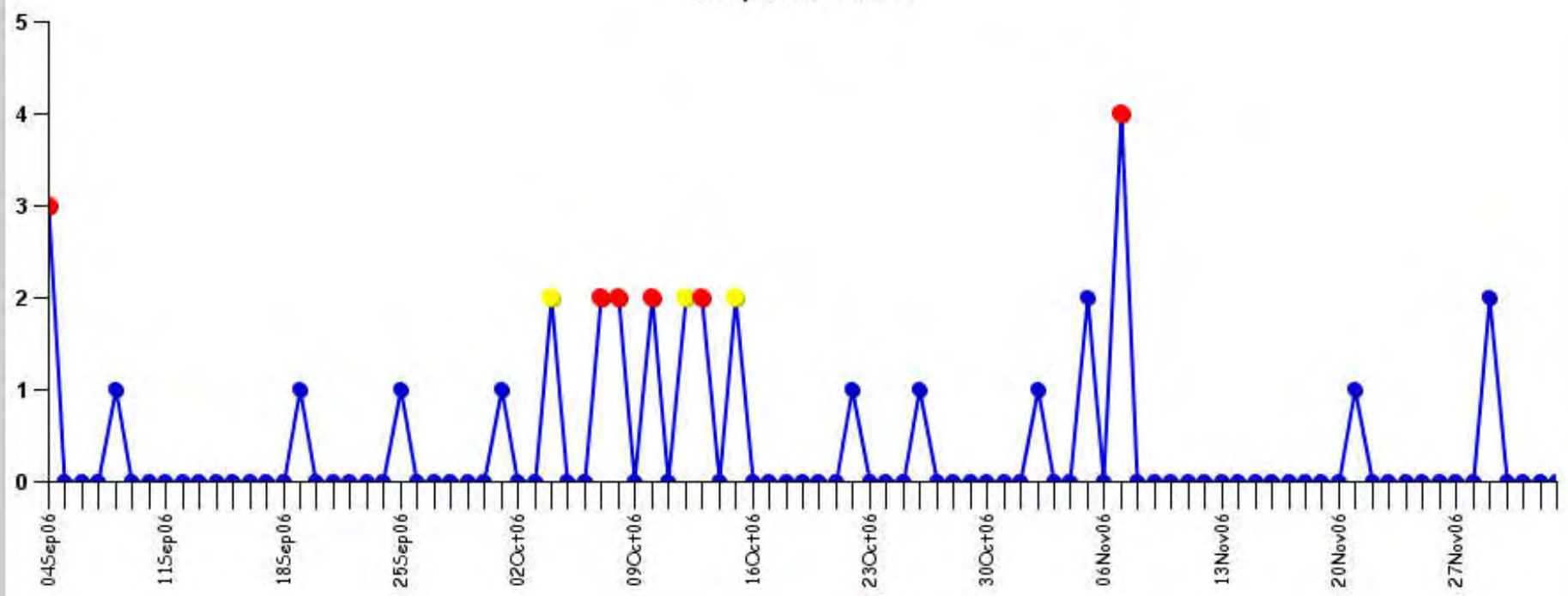
Graph

### Daily Data Counts

5

Graph

### Daily Data Counts



Alert Warning Data

Graph Options Save As JPG Save As PNG

[ Enhanced Graph (requires java 1.4.x plug-in) Basic Graph ]

Popup Options

[ Time Series | Data Details | Map View ]

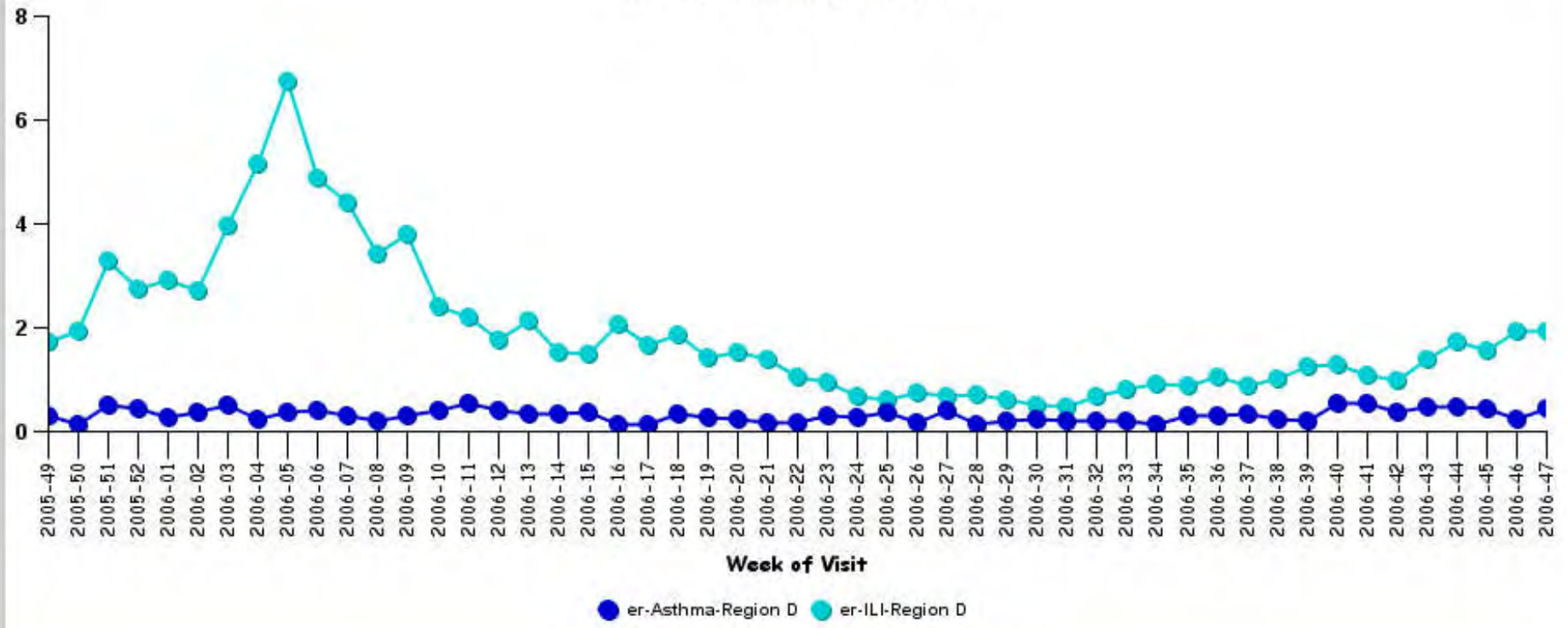
Show Weekly Time Series Viewer: Submit

HOME Alert List Query Matrix Portal Weekly % Map Portal

# ESSENCE IV - Missouri Weekly Percentage Graph

[Select a Different Graph](#)

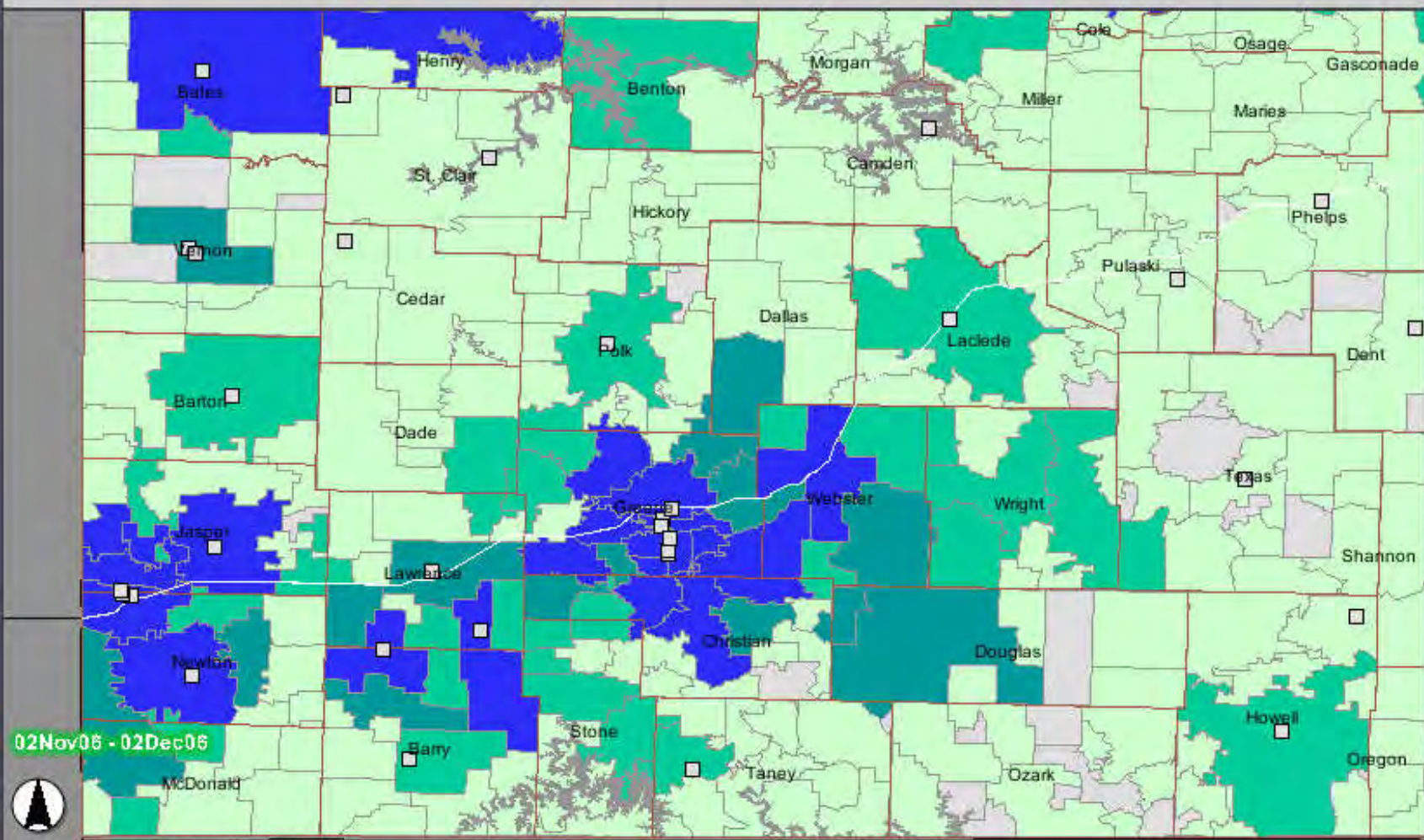
### Weekly Percentage of Visits



# ESSENCE IV - Missouri : Data Sources Map

Toggles:  Navigation: Date Range: Other: Help:

Current Tool: Pan



02Nov06 - 02Dec06



Map created with ArcIMS - Copyright (C) 1992-2006 ESRI Inc.

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### LAYERS

- All Layers
- Base Layers
  - Cities
  - Counties
  - DHSS Re...
  - Highways
  - Hospitals
  - Lakes
  - Patrol Dis
  - States
  - US Highw
  - Zips
- ER By Hospital
  - hosp
  - hosp%
  - hosp\_rtd
- ER By Zipcode
  - er
  - er\_rtd
- Other

### Legend

- Hospitals
- Highways
- Counties
- Counties:Labels
- er
- N/A
- 0-61
- 62-154
- 155-247


Layer Name	er	Data Column Name	ERTOTAL
Data Source	ER by Patient	Geography System	Zipcode
Medical Grouping System	Syndrome	Syndrome	All
Medical Subgrouping	All	Age	All
Sex	All	Detector	Regression EWMA 1.2


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# Syndromic Surveillance

- [Live link](#) / [Local link](#)
- Download BTS-1 ([pdf link](#))
- Enter data to SQL database via PHP...
- Export data to XLS
- Download evaluation spreadsheet
- View graphs and maps

[MO DHSS Bioterrorism Surveillance Form 1](#) (24 kb pdf )

Choose county to enter new syndromic data... 

Export all syndromic data to xls format

\*\*\*select county\*\*\* 

Export county syndromic data to xls format

[Download xls evaluation spreadsheet](#) (15 kb xls )

[View syndromic graphs and maps](#)

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## Public Health Surveillance .net

The form below is based on the Missouri Department of Health and Senior Services, Office of Surveillance, Bio-Terrorism Surveillance (BTS Form 1, "The one day, one form") which can be downloaded here: [MO DHSS Bio-Terrorism Surveillance Form 1 \(24 kb\)](#).

Password:  (email [Theron Becker](mailto:Theron.Becker) for a password)

Your name:

Best way to contact you with questions about this data:  (phone, email, etc.)

Reporting site name: ***select site*** (email <a href="mailto:Theron.Becker">Theron Becker</a> to add a site)	County: Polk	Date of incident: yyyy-mm-dd (yyyy-mm-dd)
--	-----------------	--

If you have any questions about this form or about the definitions of the various syndromes or variables, please call the Polk County Health Center at (417) 326-7250, or your local health department.

Background Information	Total
If counting absenteeism, enter the census of employees, students, etc. that should be at the location. If counting clinic visits, enter total number of all patients seen.	<input type="text" value="enter #"/>
Syndromic Categories	Total Absenteeism
<b>Influenza-like illness</b> Malaise, headache, fever, cough and sore throat, in the absence of known cause.	<input type="text" value="0"/>
<b>Hemorrhagic disease</b> Bleeding from skin or mucus membrane surfaces or reddish or purplish spots or discolorations on the skin or mucus membrane surfaces.	<input type="text" value="0"/>
<b>Gastrointestinal illness</b> Diarrhea, vomiting, abdominal pain or cramps, with or without fever.	<input type="text" value="0"/>
<b>Neurologic illness</b> Headache, sensitivity to light, confusion, convulsions, double/blurred vision, drooping eyelid(s), muscle twitching, difficulty talking/swallowing, weakness or paralysis.	<input type="text" value="0"/>
<b>Rash illness</b> Rashes with or without fever (including chicken pox, exanthema, dermatitis, erythema).	<input type="text" value="0"/>
<b>Fever illness</b> Fever of unknown origin (such as acute febrile illness, viral syndrome, sepsis, suspect infection).	<input type="text" value="0"/>
<b>Respiratory illness (other than influenza-like illnesses)</b> Cough, sore throat, trouble breathing, pneumonia and other respiratory conditions, with or without fever. Please do not enter influenza-like illness here.	<input type="text" value="0"/>
<b>Chemical exposure</b> Chemical exposure differs from the others in that the suspect agent is not biological and onset is sudden (within 60 minutes, often within 15 minutes or less).  Please list any chemicals or other agents that may have been involved in the reported exposure(s) in the notes section at the bottom of this form.	<input type="text" value="0"/>

Notes:


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This page updated 11/17/2006  
by [Theron Becker](#)

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Choose county to enter new syndromic data... 

Export all syndromic data to xls format

\*\*\*select county\*\*\* 

Export county syndromic data to xls format


[Download xls evaluation spreadsheet \(15 kb xls\)](#) 

[View syndromic graphs and maps](#)

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**Suggestions and/or Questions  
are greatly appreciated**