



# Missouri Department of Health and Senior Services Public Health Event Detection and Assessment Program ESSENCE Toolbar Quick Reference Guide

## Alert List

- Flagging events based on geographic region (highway patrol) for syndrome groups

Region Group	Bot_like	Fever	GI	Hemr_ill	Neuro	Rash	Resp	Shk_coma
MO	***** *****							
IL	***** *****							
Gateway	***** *****							
Region A	***** *****							
Region B	***** *****							

- Flagging events based on county of residence for syndrome groups

Region/Syndrome Based Temporal Alerts									
Links	Date	Data Source	Region	Age	Sex	Syndrome	Detector	Level	Count
<a href="#">Time Series</a>	03Mar08	ER by Patient	Adair	65+	All	Neuro	Regression/EWMA 1.2	0.001	2
<a href="#">Time Series</a>	02Mar08	ER by Patient	Adair	65+	All	Neuro	Regression/EWMA 1.2	0.003	2
<a href="#">Time Series</a>	01Mar08	ER by Patient	Adair	5-17	All	Resp	Regression/EWMA 1.2	0.049	2
<a href="#">Time Series</a>	26Feb08	ER by Patient	Adair	18-64	All	Shk_coma	Regression/EWMA 1.2	0.017	2

- Flagging events for a hospital's ED visits for a given syndrome

<a href="#">Time Series</a>	29Feb08	ER by Hospital	MOAudrainERCC	65+	All	Fever	Regression/EWMA 1.2	0.013	1
<a href="#">Time Series</a>	29Feb08	ER by Hospital	MOAudrainERCC	All	All	Fever	Regression/EWMA 1.2	0.016	5
<a href="#">Time Series</a>	28Feb08	ER by Hospital	MOAudrainERCC	65+	All	Fever	Regression/EWMA 1.2	0.01	1
<a href="#">Time Series</a>	28Feb08	ER by Hospital	MOAudrainERCC	0-4	All	Fever	Regression/EWMA 1.2	0.005	3
<a href="#">Time Series</a>	27Feb08	ER by Hospital	MOAudrainERCC	65+	All	Fever	Regression/EWMA 1.2	0.008	1
<a href="#">Time Series</a>	26Feb08	ER by Hospital	MOAudrainERCC	65+	All	Fever	Regression/EWMA 1.2	0.007	1

## My Alert

- Allows user to detect and capture alerts using pre-written definitions or syndromic keywords. Also permits user to keep records of interest.

## Event List

- Allows user to post messages to be seen by other users for the purpose of the investigation of flags and other concerns

## Overview Portal

- Figures representing 9 syndrome group values for state or county

## Query Portal

- Query data using key words

Date	Time	HospitalName	Zipcode	Orig Zipcode	Region	AgeGroup	Age	Sex	ChiefComplaintOrig
25Feb08	09:06 AM	UNIVERSITY HOSPITALS & CLINICS	63441	63441	Pike	65+	73	Male	PNEUMONIA/MRSA/LARGE SACRAL DEC
25Feb08	07:35 PM	TRUMAN MEDICAL CENTER LAKEWOOD	64134	64134	Jackson	18-64	20	Male	ECZEMA WITH MRSA SUPER INFECTION
25Feb08	12:17 PM	TRUMAN MEDICAL CENTER LAKEWOOD	64134	64134	Jackson	18-64	20	Male	SYSTEMIC MRSA
25Feb08	07:09 PM	ST MARYS HOSPITAL OF BLUE SPRINGS	64014	64014	Jackson	5-17	7	Female	POSS MRSA LEGS
25Feb08	10:40 PM	ST JOHNS MERCY MEDICAL CENTER	63132	63132	St. Louis	18-64	28	Male	MRSA
25Feb08	11:03 AM	FREEMAN HEALTH SYSTEM - WEST	64849	64849	Jasper	18-64	44	Female	HX PNEUMONIA&MRSA/COUGH/SOB/IT

- Representation of predefined data by hospital or location (similar to Alert List feature)
- *Percent* of total ED visits attributed to a syndrome group or sub syndrome of a given hospital or county

## +Advance Query

- Offers same function as the query portal without going through multiple pages of ESSENCE software. Allows user to specify their search on a single page

## Matrix Portal

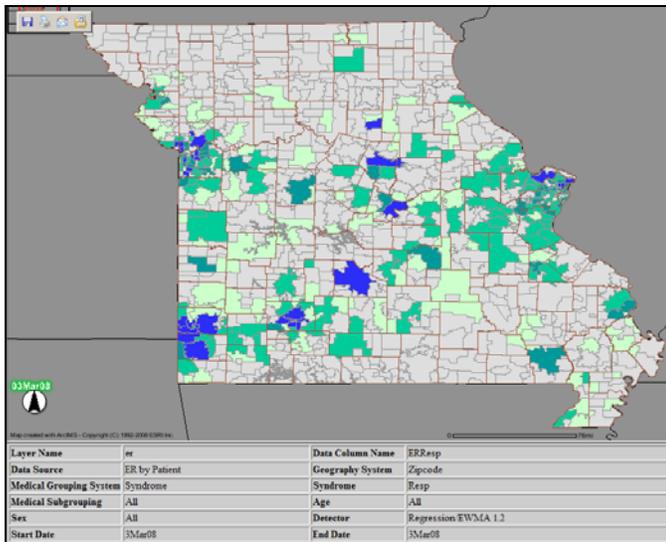
- Generation of graphs for syndrome groups based on counties

## Weekly Percent

- Weekly cases as a percent of total visits attributed to ILI or asthma at the state or region (highway patrol) level

## Map Portal

- Mapping feature allowing for the generation of maps for representative data at the state or local level



### Bookmarks

- List of user-linked bookmarks created to revisit commonly used searches

### + *Configuration Options*

- Feature used to select specific data grouping and/or sources. Extremely helpful in limiting the information viewed by the user in terms of time also.

Data Configuration			
Data Source:	All Data Sources Real Time ER Data By Hospital Emergency Room Data by Patient Location	Hospital:	All Hospitals ALL SAINTS SPECIAL CARE CENTER AUDRAIN MEDICAL CENTER
Syndrome:	All Syndromes Bot_like Fever	Detector:	All Detectors Regression/EWMA 1.2 Regression 1.2
Age Range:	All Age Ranges Unknown 0-4	Sex:	All Sexes Unknown Male
Start Date:	26 Feb 08	End Date:	05 Mar 08
Change Configuration			

### Query Manager

- Allow users to 1) edit and delete their saved query, 2) create new myAlerts using existing query, and 3) plot multiple real-times query series on the same graph.

### User Admin

- Allow users to select their preference for columns to be displayed under region/syndrome alert list.