

GETTING STARTED

Oregon.ESSENCE@state.or.us

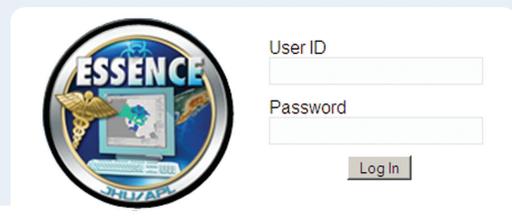
<https://essence.oha.oregon.gov>

YOUR NEW ACCOUNT

1. Ask your ESSENCE account manager to send an email to Oregon.ESSENCE@state.or.us to request a new account. Don't know who your account manager is? Email Oregon.ESSENCE@state.or.us to find out.
2. You will receive an email response with the Oregon ESSENCE Confidentiality Policy and Agreement. **Fill out the Policy completely** and send it back to Oregon.ESSENCE@state.or.us.
3. You will receive an email with your confidential username and password.

LOGGING ON

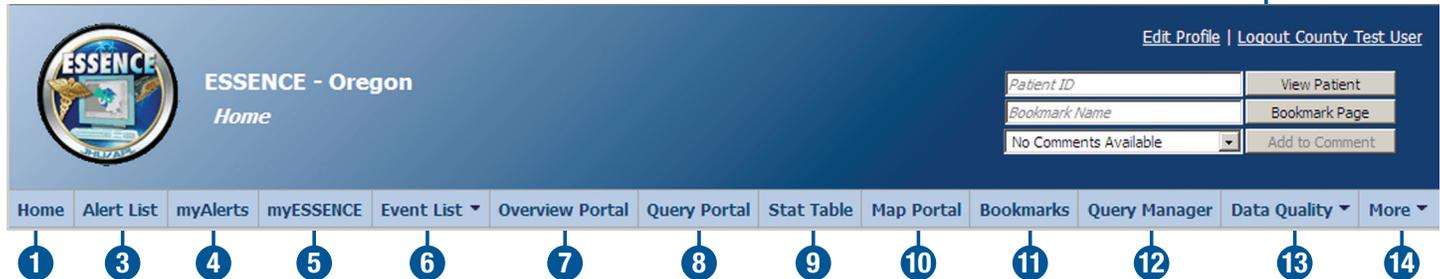
1. **Firefox** is the preferred Web browser because the system will run faster.
2. Navigate to <https://essence.oha.oregon.gov>.
3. Enter your **username and password**. The password is case sensitive.

The screenshot shows the ESSENCE login interface. On the left is the ESSENCE logo. On the right, there are two input fields: 'User ID' and 'Password'. Below the password field is a 'Log In' button.

USING THE ESSENCE HOME PAGE

The home page contains tabs to navigate to all of the functions within the ESSENCE system.



The screenshot shows the ESSENCE home page navigation bar. It includes the ESSENCE logo, the text 'ESSENCE - Oregon Home', and a series of numbered tabs from 1 to 14. Tab 2 is highlighted with a blue circle. In the top right corner, there are links for 'Edit Profile' and 'Logout County Test User', and a table with fields for 'Patient ID', 'Bookmark Name', and 'No Comments Available'.

- 1 **HOME** – navigate to the home page.
- 2 **Log Out** – log you out of the system. Closing your browser window is recommended to completely log out.
- 3 **Alert List** – provide a tabular view of alerts for ESSENCE syndromes.
- 4 **myAlerts** – customized alerts that individual users can define for routine surveillance (#8).
- 5 **myESSENCE** – access your saved queries and share them with other ESSENCE users.
- 6 **Event List** – users who find an event that warrants further attention complete an entry describing their findings or recommendations.
- 7 **Overview Portal** – examine multiple time series graphs for the previous three months.
- 8 **Query Portal** – perform and save searches of Oregon data (#3, #12).
- 9 **Stat Table** – quickly summarize data in a tabular format.
- 10 **Map Portal** – map temporal and spatial alerts across different data sources.
- 11 **Bookmarks** – save searches and use the same criteria to access data at another time.
- 12 **Query Manager** – manage and execute customized queries from sessions in the Query Portal (#8).
- 13 **Data Quality** – check for changes in data submission and completeness.
- 14 **More** – learn about the history of ESSENCE and about how the application works.

FREQUENTLY USED ANALYSIS TOOLS

ALERT LIST

Uses the last 30 days, minus the two most recent days, and compares current counts to that baseline to **see if there is a statistically significant increase.**

3 **Temporal Alerts Summary**
Last Updated: April 15, 2013 12:00 PM
[\[Summary Alerts\]](#) | [\[Region/Syndrome\]](#) | [\[Hospital/Syndrome\]](#) | [\[Spatial\]](#)

A. A **Yellow flag** indicates a statistically significant p-value between 0.01 and 0.05 and a **red flag** indicates a p-value of <0.01.

- B. **Summary Alerts** displays a graphical summary of alerts for the state and regions (counties).
 - Click on the **asterisks** (*) to further investigate the data used to generate that data point.
- C. **Region/Syndrome** displays alerts by county (**Region=County**).
- D. **Hospital/Syndrome** displays the previous eight days of alerts by reporting hospital.
- E. **Spatial** alerts looks for clusters geographically, by using ZIP code centroids.

QUERY PORTAL

Customize which data you are interested in monitoring routinely, including statistical thresholds, minimum counts, and consecutive days for alerting.

- A. In the **Query Portal**, create a customized query by selecting your data source and click **Submit**. (Usually “ER Data by Patient Location.”)
- B. On the next screen, use the defaults, or select a geography system, a medical grouping system (ESSENCE Syndromes or ChiefComplaintSubSyndromes is recommended), a triage note system, and a time resolution. Click **Submit**.

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Current Data Query Selections	
Data Source	ER Data by Patient Location

Next Selections:			
Select Geography System:	Region	Select Medical Grouping System:	ESSENCE Syndromes
Select Triage Note System:	TNSyndromes	Select Time Resolution:	Daily
<input type="button" value="Submit"/>		<input type="button" value="Adv Qry"/>	

- C. On the next screen, keep the defaults or select the variables of interest (such as Region, Syndrome and Start and End Dates). Click **Time Series** at the bottom of the page.
- D. Clicking on **Time Series** for an alert displays a time series graph of the number of cases over time for the syndrome you selected. (Or for all visits if the default was selected.)

- E. When the time series graph is finalized, click **Graph Options** to name the axes, change the title or scale. Click **Accept** to save changes. Reconfiguring a time series graph will reset the graph options.
- F. Click **Download** to save the graph to your computer. Select an image type and resolution and click **Download** to specify the location where it will be saved.
- G. To save the query, name your query and click **Save Query**. After receiving a message that the query was saved successfully, your query can be accessed in the Query Manager portal.
- H. Clicking on **Data Details** (below the Time Series graph) generates a line list of the data.

- You can **access Data Details in three places**: directly below a time series graph, by clicking directly on a data point in a graph and by clicking on the hyperlink in the data table below a time series graph.

- I. Click on **Map View in one of three places**: beneath a Time Series graph, in the Data Table below a Time Series graph and on the Data Details page.

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<input type="checkbox"/> Description
<input type="checkbox"/> Query Options
Query name: <input type="text"/> <input type="button" value="Save Query"/> <input type="button" value="Create myAlert"/>
<input type="button" value="Add to myESSENCE"/> <input type="button" value="Share by Popup"/>
<input type="checkbox"/> Configuration Options
<input type="checkbox"/> Data Series Options
<input type="checkbox"/> Graph

OVERVIEW PORTAL

This provides an overview for the previous three months with **multiple time series graphs**.

- A. Select the data source from the drop-down menu.
- B. The next screen displays the time series graphs. Click on the plus sign next to **Configuration Options** to customize your **parameters** (e.g., syndrome, age group, region, statistical analysis method).
- C. **Click** on any of the data points to examine the data more closely.

Next Selections:

Select Data Source: ER Data by Patient Location

Submit

Overview Parameter

Overview Parameter: Region

Submit

MAP PORTAL

Create a custom map based on alert list, syndrome and date. This tab opens a new window.

ESSENCE - Oregon Map Portal

Map Configuration

Select Alert List: Region/Syndrome

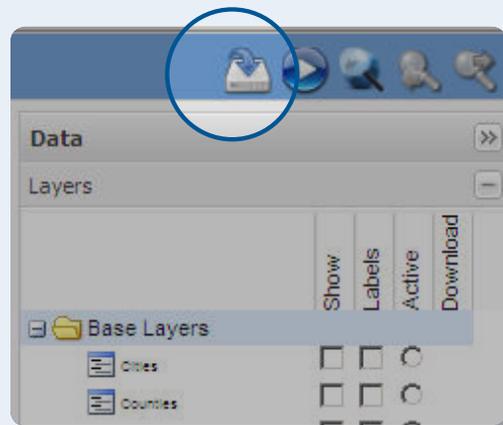
Select Syndrome: All Syndromes, Bot_like, Exposure, Fever, GI

Select Start Date: 01May12 Select End Date: 01May12

Submit

- A. Select the data source you're interested in mapping under **Select Alert List**.
 - **Region/Syndrome** shows counties where there were temporal alerts for a certain syndrome.
 - **Hospital/Spatial** shows hospitals where there were temporal alerts for a certain syndrome.
 - **Spatial** shows the ZIP codes that were included in a spatial alert for a selected syndrome.

- B. To **zoom in and out**, use the **Navigation Tool** on the left side of the screen or your mouse's **scroll wheel**.
- C. To add **Base Layers** (e.g., Counties or Hospitals), click the **check boxes** in the Data menu on the right. Click both **Show** and **Labels** if you want your selection to be labeled on your map.
- D. To download an image of your map, click the Download icon. Click **Download Map** at the bottom of the page and open or save the image.



Manage and execute customized queries saved in the **Query Portal** (#8).

- A. To carry out an action from the options above the saved queries, check the box to the left of the label of the specific query and click on the action (**Multiseries Time Series, Create myAlert, etc.**).
- B. Click on **Show** or **Show (Today)** to run a saved query. **Show** opens a saved query for the date and variables that were specified when the query was saved. **Show (Today)** opens the saved query for the last 30 days. Clicking on Show opens the query in the Query Portal.
- C. Right click on **Show** or **Show (Today)** and select **Open Link in New Tab** to open the Query Portal in a separate tab.

Saved Query Manager							
Expand All Groupings		Collapse All Groupings		Multiseries Time Series	Intersecting Time Series	Create myAlert	Edit Share Delete
<input type="checkbox"/>	Label	Link	Link (Today)	Date Created	Shared By	Start Date	End Date
<input type="checkbox"/> Grouping: Seasonal Illness (2)							
<input type="checkbox"/>	GI Syndrome	Show	Show (Today)	27Feb13	null null	01Dec12	27Feb13
<input type="checkbox"/>	ILI Syndrome	Show	Show (Today)	27Feb13	null null	01Dec12	27Feb13
<input type="checkbox"/> Grouping: Special Events (1)							
<input type="checkbox"/>	Wildfire	Show	Show (Today)	25Mar13	null null	25Mar12	23Jun12
<input type="checkbox"/> Grouping: Special Interest (1)							
<input type="checkbox"/>	CRE	Show	Show (Today)	29Apr13		29Jan13	29Apr13



PUBLIC HEALTH DIVISION
Preparedness Surveillance & Epidemiology Team

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More Questions?

To find out more about Oregon ESSENCE, contact us at **971-673-1111**
Oregon.ESSENCE@state.or.us
www.healthoregon.org/essence