

Exploratory Analysis Subgroup

of the Arizona BioSense Workgroup

June 22, 2017



ARIZONA DEPARTMENT
OF HEALTH SERVICES

Health and Wellness for all Arizonans

Objectives

-
- Welcome and Attendance
- New ESSENCE CC&DD Category Syndromes
 - Now Available: CDC Heroin Overdose v2
- Community of Practice Updates
 - June [Surveillance CoP](#) Call
 - The Steering Committee is asking for you to share your posts on the call [06/27/2017@12pm-1:30pm AZ time!](#)
 - Forum: [Heat-related Illness Flash Mob](#)
 - » May 24th-May 25th
 - If you attended CSTE and want to share your experience with the group about:
 - Something about your presentation
 - Something of interest
 - Overdose Surveillance Committee-Opioid Series continues!
 - [Register](#) for the RADARS call June 29th, 9-10 am AZ Time
 - [Register](#) for the Presentations by Yushiuan Chen and David Atrubin call July 13th, 12-1:30pm AZ Time
- [Feedback request](#) for new version of the PHIN Guide
 - Comment Period Ends 06/24/2017@11:59pm ET
- Heat-related Illness Project
 - Matt Roach, ADHS
 - ESSENCE Dashboards
 - Thoughts on a shared protocol?
- Questions and Open Discussion
- Next Meetings
-



ARIZONA DEPARTMENT
OF HEALTH SERVICES

Health and Wellness for all Arizonans



BioSense Platform Server Upgrade Process

Reminder



- **Effect on Services:**
- BioSense Platform—**Unavailable Monday, June 12, 2017, 5:00 PM EDT through Tuesday, June 13, 2017, 5:00 PM EDT.**
- ESSENCE, the AMC, RStudio Pro, and Adminer—**Intermittent access the week of June 26, 2017.**
- Queries and preferences **created and saved in ESSENCE** (myESSENCE, QueryManager, MyAlerts, Bookmarks, Port Manager) from June 12–July 1, 2017, **may not be transferred to the new servers.**

Keep a local copy of all work performed in ESSENCE from June 12th until July 1st

New ESSENCE CC&DD Category Syndromes

The screenshot displays the ESSENCE Query Wizard interface. At the top, the title 'New ESSENCE CC&DD Category Syndromes' is shown. Below the title, the 'Query Wizard' window is open, showing various configuration options. The 'Available Query Fields' list on the left includes 'CC and DD Category'. A blue-bordered window is overlaid on the 'Available Query Fields' list, titled 'Select values for CC and DD Category:'. This window contains a list of syndromes: 'CDC Heroin Overdose v1', 'CDC Heroin Overdose v2' (marked with a yellow star), 'Foreign Travel', 'Heat Related Illness v1' (marked with a yellow star), 'Mumps v1', 'Norovirus v1', and 'Visits of Interest'. At the bottom of this window are 'Select' and 'Help' buttons. The main interface also shows 'Selected Query Fields' on the right, a 'Facility Type' dropdown, and a 'Table Builder' tab at the bottom.

Query Wizard

Datasource: Patient Location (Full Details) Time Resolution: Daily Detector: Regression/EWMA 1.2 As Percent Query: No Percentage Query Start Date: 124Mar17 End Date: 22Jun17

Available Query Fields: CC and DD Category

Select values for CC and DD Category:

- CDC Heroin Overdose v1
- CDC Heroin Overdose v2 ★
- Foreign Travel
- Heat Related Illness v1 ★
- Mumps v1
- Norovirus v1
- Visits of Interest

Select Help

Facility Type

CC and DD

Clinical Impression

Table Builder Time Series Data Details Graph Builder Overview Adv Qry Reset

CDC Heroin Overdose v2 was updated and available in NSSPs version of ESSENCE as of 06/18/2017

CC and DD Categories

[\[Foreign Travel\]](#) | [\[Mumps v1\]](#) | [\[CDC Heroin Overdose v1\]](#) | [\[Heart Related Illness v1\]](#) | [\[CDC Heroin Overdose v2\]](#) | [\[Visits of Interest\]](#) | [\[Norovirus v1\]](#)

CDC Heroin Overdose v2

Category	Term	Neg Term A	Neg Term B	Neg Term C	Neg Term D
CDC Heroin Overdose v2	CCDD TERMS: ((((NARCAN^ OR ^ NALOXO^ OR ^ POISON^ OR ^ [AO]VERDOSE^ OR ^ OVER DOSE^ OR ^ OVEROSE^ OR ^ NODDING ^ OR ^ NOD ^ OR ^ SNORT^ OR ^ ADVERSE RXN^ OR ^ ADVERSE REACTION^ OR ^ ADV EFFECT DRUG ^ OR ^ ADVERSE EFFECT DRUG ^ OR ^ DRUG REACTION ^ OR ^ ADVERSE DRUG ^ OR ^ IN[G]EST ^ OR ^ INTOXIC^ OR ^ UNRESPONSIV^ OR ^ LOSS OF CONSCIOUSNESS ^ OR ^ SYNCOP ^ OR ^ SHORTNESS OF BREATH ^ OR ^ ALTERED MENTAL STATUS ^),AND,(^ HER[IO][OIN^ OR ^ HOD ^ OR ^ SPEEDBALL ^ OR ^ SPEED BALL ^ OR ^ DOPE ^)),OR,(^ [J]T40 1X1A^ OR ^ [J]T401X1A^ OR ^ [J]T40 1X4A^ OR ^ [J]T401X4A^ OR ^ [J]965 01^ OR ^ [J]96501^ OR ^ [J]965 [O][I]^ OR ^ [J]965[O][I]^ OR ^ [J]E850 0^ OR ^ [J]E8500^)),AND NOT,(CHIEF COMPLAINT TERMS ^ DENIES HER[IO][OIN^ OR ^ DENY HER[IO][OIN^ OR ^ DENIED HER[IO][OIN^ OR ^ DENYING HER[IO][OIN^ OR ^ DENIES DRUG^ OR ^ DENY DRUG^ OR ^ DENIED DRUG^ OR ^ DENYING DRUG^))				

June Surveillance CoP Call

- June [Surveillance CoP](#) Call
 - The Steering Committee is asking for you to share your posts on the call [06/27/2017@12pm-1:30pm AZ time!](#)
 - Forum: [Heat-related Illnes](#) Flash Mob
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Forum: [Heat-related Illnes](#) Flash Mob

May 24th-May 25th

If you attended CSTE and want to share your experience with the group about:

Something about your presentation

Something of interest

Remember May's ISDS Forum Flash Mob???



Climate-related Surveillance Discussion

Community Forums

Forums

My Subscriptions & Settings Top Posters

Search Forums...

Forum Title	Topics	Posts	Last Activity
Syndromic Surveillance General Discussion This is the general forum for the Surveillance Community of Practice	2	8	Jurisdictions with Required Syndromic Reporting by J. Baber Wednesday, May 24, 2017
Opioid Surveillance Discussion	8	31	Heroin abuse query to estimate IDU by R. Ergas Tuesday, June 20, 2017
Climate-related surveillance Discussion	2	17	Heat-Related Illness by M. Schumacher Wednesday, May 31, 2017
Influenza-like Illness Discussion	0	0	No Activity

http://www.healthsurveillance.org/forums_engagement/Default.aspx?

Go to Climate-related Surveillance Discussion

Community Forums

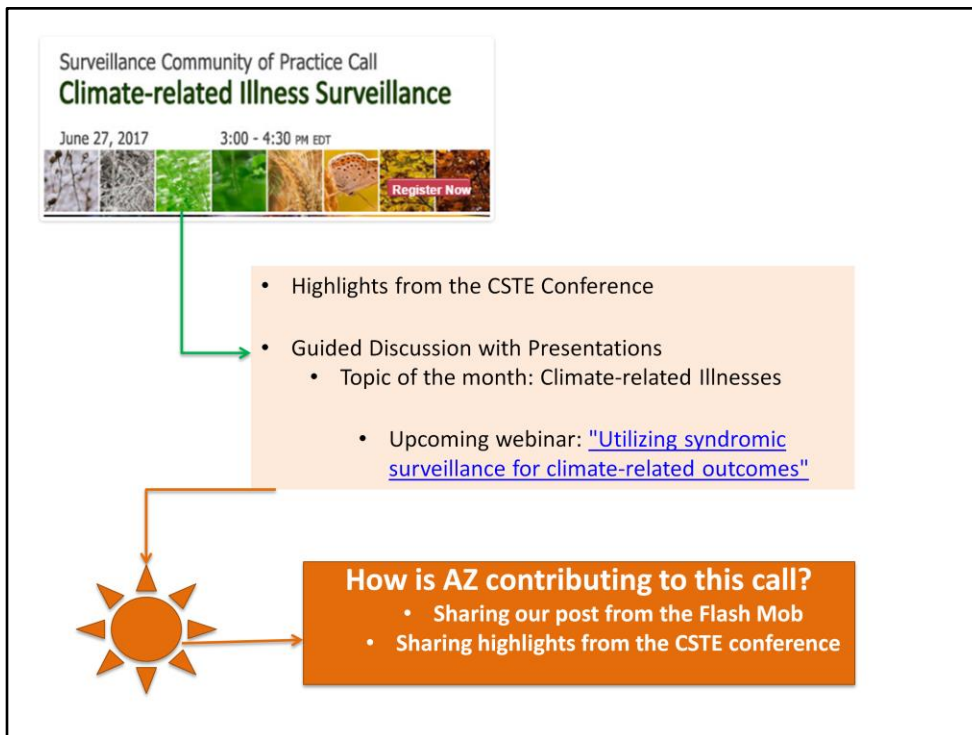
Forums

My Subscriptions & Settings Top Posters

Search Forums...

Forum Title	Topics	Posts	Last Activity
Syndromic Surveillance General Discussion			Jurisdictions with Required Syndromic Reporting
Climate-related surveillance Discussion	2	17	Heat-Related Illness by M. Schumacher Wednesday, May 31, 2017
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June [Surveillance CoP](#) Call

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Forum: [Heat-related Illness](#) Flash Mob

May 24th-May 25th

If you attended CSTE and want to share your experience with the group
about:

Something about your presentation

Something of interest

Join our Arizona BioSense Group

Chapters: Arizona BioSense Group

Directory Calendar Blogs Forums Photos Pages ▾

Welcome

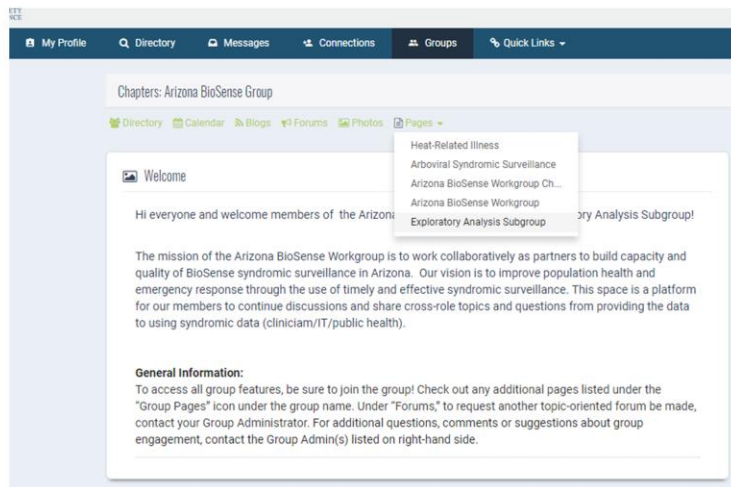
Hi everyone and welcome members of the Arizona BioSense Workgroup and Exploratory Analysis Subgroup!

The mission of the Arizona BioSense Workgroup is to work collaboratively as partners to build capacity and quality of BioSense syndromic surveillance in Arizona. Our vision is to improve population health and emergency response through the use of timely and effective syndromic surveillance. This space is a platform for our members to continue discussions and share cross-role topics and questions from providing the data to using syndromic data (clinician/IT/public health).

General Information:
To access all group features, be sure to join the group! Check out any additional pages listed under the "Group Pages" icon under the group name. Under "Forums," to request another topic-oriented forum be made, contact your Group Administrator. For additional questions, comments or suggestions about group engagement, contact the Group Admin(s) listed on right-hand side.

http://www.healthsurveillance.org/members/member_engagement/groups.aspx?id=190914

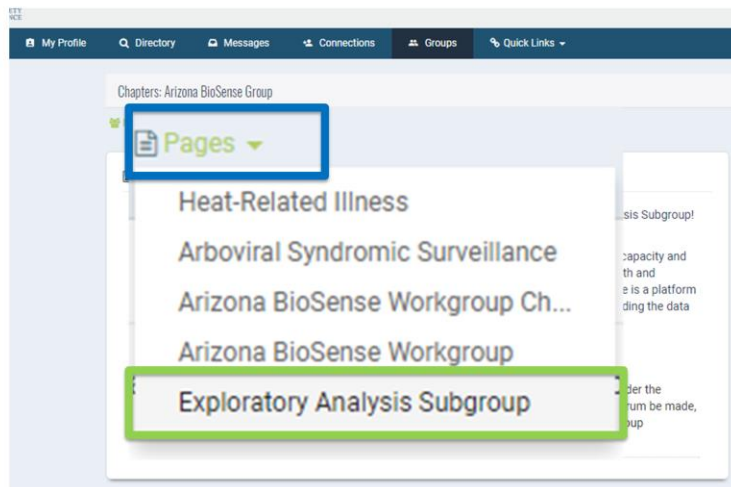
Join our Arizona BioSense Group



http://www.healthsurveillance.org/members/member_engagement/groups.aspx?id=190914

Choose the "Pages" drop down menu. Then select the "Exploratory Analysis Subgroup". This will take you to our file library of past meeting agendas and slides.

Join our Arizona BioSense Group



http://www.healthsurveillance.org/members/member_engagement/groups.aspx?id=190914

Choose the “Pages” drop down menu. Then select the “Exploratory Analysis Subgroup”. This will take you to our file library of past meeting agendas and slides.

Join our Arizona BioSense Group

Group Home

Exploratory Analysis Subgroup

Directory Calendar Blogs Forums Photo Gallery Pages Admin Actions

Edit This Page

2015 Exploratory Analysis Subgroup Meeting Slides

+ Add a File Manage Collection

Item Name	Posted By	Date Posted
11-24-2015 PDF (1.25 MB)	K. Collier	4/28/2017
10-22-2015 PDF (1.18 MB)	K. Collier	4/28/2017
09-24-2015 PDF (1.37 MB)	K. Collier	4/28/2017
08-27-2015 PDF (557.05 KB)	K. Collier	4/28/2017
07-30-2015 PDF (2.81 MB)	K. Collier	4/28/2017
06-30-2015 PDF (267.93 KB)	K. Collier	4/28/2017
05-28-2015 PDF (224.84 KB)	K. Collier	4/28/2017
04-23-2015 PDF (1.85 MB)	K. Collier	4/28/2017

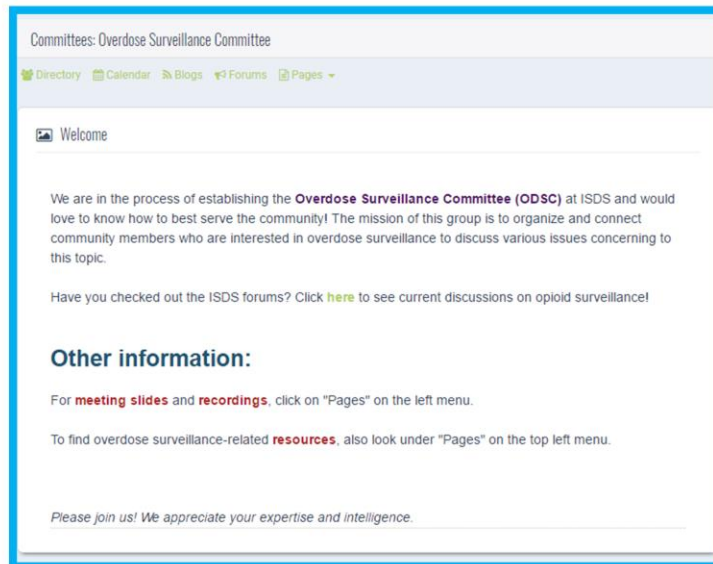
2015 Exploratory Analysis Subgroup Monthly Agenda

+ Add a File Manage Collection

Item Name	Posted By	Date Posted
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http://www.healthsurveillance.org/members/group_content_view.asp?group=190914&id=660277

Join the Overdose Surveillance Committee



http://www.healthsurveillance.org/members/member_engagement/groups.aspx?id=198345

Register for future ODSC Calls



http://www.healthsurveillance.org/members/member_engagement/groups.aspx?id=198345

Click on the event and you will be taken to the webinar registration information page.

Webinar Series

Rapid surveillance of overdose morbidity: Developing case definitions, building queries, and...



This presentation by Dr. R. Matthew Gladden and Dr. Alana Vivolo-Kantor from the CDC Division of Unintentional Injury Prevention will describe how CDC has partnered with states to develop case definitions for all drug, opioid, and heroin within and outside of the NSSP/ESSENCE system. We will also share lessons learned and things to consider for the rapid surveillance of opioid overdose.



6/15/2017

When: June 15, 2017
From 12 pm - 1:30 pm ET

Where: <https://attendee.gotowebinar.com/register/2375738246722498818>
United States

Contact: Catherine Tong
ctong@syndromic.org

<http://www.healthsurveillance.org/events/EventDetails.aspx?id=969109&group=198345>

The slides and this recording should be available in 2-3 weeks. In the meantime if you do have questions about the query, you can contact Alana and Matt.

Webinar Series

Opioid Webinar Series 2: RADARS System

 Tell a Friend



This presentation by Richard Dart from the Rocky Mountain Poison and Drug Center will provide a brief outline of the RADARS system and provide examples of how the data have been used.



6/29/2017

When:

June 29, 2017
From 12 pm - 1:30 pm ET

Where:

<https://attendee.gotowebinar.com/register/5857361607485166594>
United States

Contact:

Catherine Tong
ctong@syndromic.org

<http://www.healthsurveillance.org/events/EventDetails.aspx?id=979875&group=198345>

Click on the event and you will be taken to the webinar registration information page.

Webinar Series

Opioid Webinar Series 3: Presentations by Yushiuan Chen & David Atrubin

 Tell a Friend



This is the third installment of the ISDS Opioid Surveillance Webinar Series, to be held July 13, 3 pm ET. This third webinar will feature two separate presentations by Yushiuan Chen from the Tri-County Health Department and David Atrubin from the Florida Department of Health.



7/13/2017

When: July 13, 2017
From 3 pm - 4:30 pm ET

Where: <https://attendee.gotowebinar.com/register/8647455925850424322>
United States

Contact: Catherine Tong
ctong@syndromic.org

<http://www.healthsurveillance.org/events/EventDetails.aspx?id=979875&group=198345>

Click on the event and you will be taken to the webinar registration information page.

Feedback Request

News & Press: Nssp-CoP

 Email to a Friend

Feedback Requested on Proposed PHIN MG on Syndromic Surveillance, Version 2.1

Thursday, May 11, 2017 (2 Comments)

Posted by: Emilie Lamb

 Share |    

Please Give Us Your Feedback!

ISDS is pleased to announce the release of a **new version of the PHIN Messaging Guide for Syndromic Surveillance: Emergency Department, Urgent Care, Inpatient, and Ambulatory Care Settings, Version 2.1** for feedback by the Syndromic Surveillance community. This version of the guide combines the comments, errata, and feedback provided on the previous versions of the guide. ISDS would like the first round of feedback from the community in preparation for a version of the guide to be submitted to HL7 for balloting in early 2018.

Please view Release 2.1 of the guide [here](#).

Submit your feedback on the guide via the following webform. The comment will be open from 5/24/17 through 6/24/17 11:59pm Eastern.

If you would like to view feedback that has already been submitted, you can view all submitted feedback [here](#).

If you would like to show support for or against feedback that has already been submitted, you can add a "comment" to a feedback item (a row of the spreadsheet). For more information about adding comments, please see the instructions document [here](#).

If you are interested in assisting with the review of these comments and the development of the next version of the guide, please join the PHIN Messaging Guide Workgroup.

<http://www.healthsurveillance.org/news/344927/Feedback-Requested-on-Proposed-PHIN-MG-on-Syndromic-Surveillance-Version-2.1.htm>

Go to the ISDS website to learn more about the comment period, how to submit comments and how to participate in the PHIN Guide Workgroup.

ESSENCE Training Recordings Knowledge Repository

Welcome to the Surveillance Knowledge Repository

Click on a topic under the Key Topic Areas section in the left column, then select an article from the list of articles that appear for that topic. You may also search for specific topics by entering one or more keywords in the Search bar. You can filter the search results by Content Type, Year, or Author Name. Because this beta version of the Knowledge Repository is still under development, search results will be limited.

Key Topic Areas ▾

- (-) ESSENCE
- BioSense (0)
- Chronic Disease and Injury (0)
- Data Analytics (0)
- Data Sharing (0)
- Electronic Health Records (0)
- Emergency Preparedness (0)
- Environmental Health (0)
- General - ISDS (0)
- Infectious Disease (0)
- Introduction to Syndromic Surveillance (0)
- Meaningful Use (0)
- One Health Surveillance (0)
- Standards (0)
- Syndromes (0)

Content Type >

Year >

Author Name >

ESSENCE Training - Sharing Queries ★

This presentation will focus on how to share queries in ESSENCE. In addition to teaching the basic mechanics of the application, the presentation will explore advanced techniques for sharing queries in features like myESSENCE, report manager, and query manager.

Presenter

Wayne... [Read more](#)

ESSENCE Training: Building Queries

This presentation will focus on how to build ad-hoc queries in ESSENCE. In addition to teaching the basic mechanics of building queries, the presentation will explore advanced techniques for building complex queries to find specific case definitions in the data.

Presenter

Wayne... [Read more](#)

ESSENCE Training: Using Queries

This presentation will focus on how to use queries in ESSENCE. In addition to teaching the basic mechanics of the application, the presentation will explore advanced techniques for utilizing queries in features like myESSENCE, advanced graphing, and data downloads.

Presenter

Wayne... [Read more](#)

[https://www.surveillancerepository.org/search?f\[0\]=field_primary_topic_areas%3A11](https://www.surveillancerepository.org/search?f[0]=field_primary_topic_areas%3A11)

Go to the Knowledge Repository to locate training webinars and more. The latest webinar series for ESSENCE can be found here.

Heat Related Illness Project

- Matt Roach, ADHS
 - ESSENCE Dashboards
 - Thoughts on a shared protocol?

New ESSENCE CC&DD Category Syndromes

Query Wizard

Datasource: Patient Location (Full Details) Time Resolution: Daily Detector: Regression/EWMA 1.2 As Percent Query: No Percentage Query Start Date: 124Mar17 End Date: 22Jun17

Available Query Fields: CC and DD Category Selected Query Fields: Geographic System

Select values for CC and DD Category:

- CDC Heroin Overdose v1
- CDC Heroin Overdose v2
- Foreign Travel
- Heat Related Illness v1
- Mumps v1
- Norovirus v1
- Visits of Interest

Select Help

Facility Type
CC and DD
Clinical Impression

Table Builder Time Series Data Details Graph Builder Overview Adv Qry Reset

CDC Heroin Overdose v2 was updated and available in NSSPs version of ESSENCE as of 06/18/2017

CC and DD Categories

[\[Foreign Travel\]](#) |
 [\[Mumps v1\]](#) |
 [\[CDC Heroin Overdose v1\]](#) |
 [\[Heat Related Illness v1\]](#) |
 [\[Visits of Interest\]](#) |
 [\[Norovirus v1\]](#)

Heat Related Illness v1

Category	Term	NegTermA	NegTermB	NegTermC	NegTermD
	Heat Related Illness Inclusions (CC and DD): (^[J992^, OR, (^[JE900^ANDNOT,^[JE900.1^ANDNOT,^[JE9001^), OR,^[JT67^, OR,^[JX30^ANDNOT,^[JW92^), OR, (^[HEAT^, OR, ^HEATCRAMP^, OR, ^HEATEX^, OR, ^HEATST^, OR, ^HYPERTHERM^, OR, ^OVERHEAT^, OR, ^OVER HEAT^, OR, ^SUNSTR^, OR, ^SUN STR^, OR, ^TO HOT^, OR, ^TOO HOT^, OR, (^[HEET^, OR, ^HOT^), AND, (^[EXCESSIVE^, OR, ^EXHAUST^, OR, ^EXPOS^, OR, ^FATIGUE^, OR, ^CRAMP^, OR, ^STRESS^, OR, ^IN CAR^, OR, ^OUTSIDE^, OR, ^PROSTRATION^)), ANDNOT, (^[ALLERG^, OR, ^FEELING HOT^, OR, ^FEELS HOT^, OR, ^FELT HOT^, OR, (^[HOT^AND, ^SENSATION^), OR, ^HEAT				

Heat-Related Illness Syndromic Surveillance

- Definition Added to ESSENCE
- Heat Warning for most of the state 6/17 – 6/26

Phoenix flights cancelled because it's too hot for planes

Phoenix sets heat record for third day

© 20 June 2017 | US & Canada

f t e Share

Weldon B. Johnson | The Republic | azcentral.com Published 3:41 p.m. MT June 21, 2017 | Updated



PHOENIX WEATHER: HEAT WAVE
Scorching heat wave not deterring hikers | 1/15

A third straight day of scorching heat across the Southwest didn't deter hikers from hitting the trails in the Phoenix area on Wednesday, where rangers were deployed to warn them of the dangers and make sure they stay hydrated. (June 21) AP



Planes grounded at "too hot" Phoenix airport

Heat Alert

azhealth.gov

ARIZONA DEPARTMENT OF HEALTH SERVICES
Health and Wellness for All Arizonans

Excessive Heat Warning Issued for 13 Counties

National Weather Service has issued an Excessive Heat Warning for:

Gila, La Paz, Maricopa, Pinal, Yuma Counties from 10 a.m. on June 17 to 8 p.m. on June 22;

Graham, Greenlee, Pima Counties from 11 a.m. on June 17 to 7 p.m. on June 22;

Coconino and Yavapai Counties from 10 a.m. on June 17 to 8 p.m. on June 21;

Mohave County from 11 a.m. on June 17 to 11 p.m. on June 22;

Santa Cruz County from 11 a.m. on June 18 to 7 p.m. on June 22;

Cochise County from 11 a.m. on June 19 to 7 p.m. on June 22.

Daytime highs are expected to be in the **110 to 120 degrees Fahrenheit range**. Residents are advised to stay cool, stay hydrated, and stay informed.

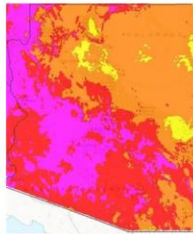
Precautions to prevent heat exhaustion or heat stroke:

Stay in air-conditioned buildings.

Limit outdoor activity during the hottest part of the day (mid-day).

Check on at-risk friends, family, and neighbors at least twice a day.

Drink water before, during, and after working or exercising outside.



Click [here](#) to learn more about today's heat risk map.

For additional information, please visit our [Heat Safety Site](#) which details ways to stay cool, stay hydrated, and stay informed.

Heat Alerts for Schools

azhealth.gov

ARIZONA DEPARTMENT OF HEALTH SERVICES
Health and Wellness for All Arizonans

Excessive Heat Warning Extended for 13 Counties

National Weather Service has extended an Excessive Heat Warning for:

Mohave County until 9 p.m. on June 26;

La Paz, Maricopa Counties until 8 p.m. on June 26;

Coconino, Gila, Pinal, Yavapai, Yuma Counties until 9 p.m. on June 25;

Cochise, Graham, Greenlee, Pima, Santa Cruz Counties until 7 p.m. on June 25;

Daytime highs are expected to be in the **110-120 degrees Fahrenheit range**. Residents are advised to stay cool, stay hydrated, and stay informed.

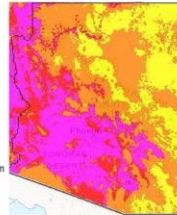
In areas with an excessive heat warning, it is recommended for schools to keep students indoors for physical activity and recess.

If students are going outdoors for recess, it is recommended that schools provide water (eight gulps every 15 minutes) and provide shade. Encourage students to wear hats, sunscreen, light colored clothing, and provide frequent breaks.

If students show signs and symptoms of heat illness or want to go inside, it is advised to get them to a cool environment immediately, such as inside an air-conditioned school building.

Additionally, it is very important that students be hydrated before, during and after being outside for physical activity and/or recess.

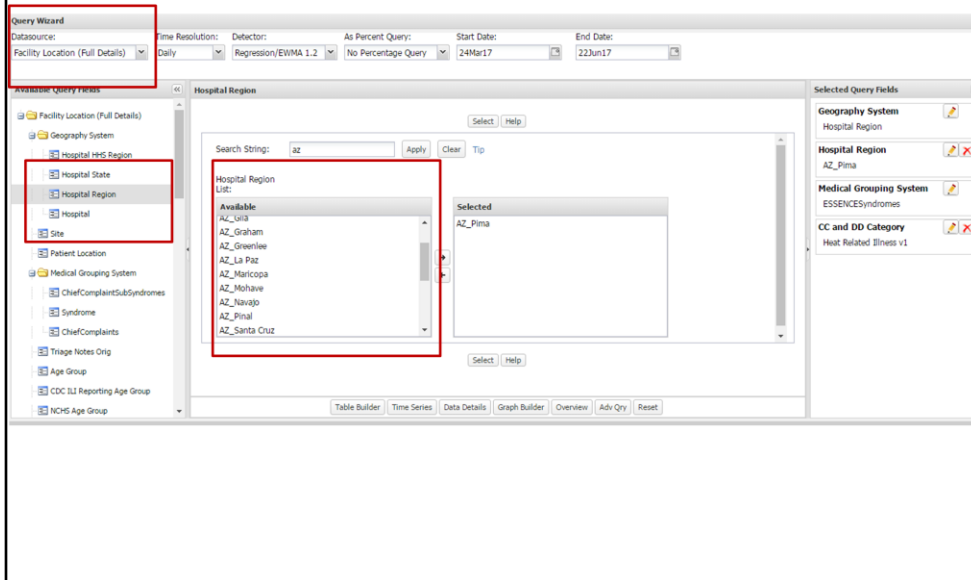
Check your local news for extreme heat warnings.



Click [here](#) to learn more about today's heat risk map.

For additional information, please visit our [Heat Safety Site](#) which details ways to stay cool, stay hydrated, and stay informed.

Accessing Data Source – Query Wizard



ESSENCE HRI Syndrome Definition Location

Query Wizard

Datasource: Facility Location (Full Details) | Time Resolution: Daily | Defector: Regression/EVIMA 1.2 | As Percent Query: No Percentage Query | Start Date: 24Mar17 | End Date: 22Jun17

Available Query Fields

- Diagnosis Type
- CC and DD Category**
- CC and DD
- Syndrome Free Text
- Subsyndrome Free Text
- Chief Complaint (Orig) Free Text
- Facility Type
- Clinical Impression
- Chief Complaint History
- Discharge Diagnosis History
- Discharge Disposition History
- Patient Class History
- Patient Class History Free Text
- Calculated Patient Class History
- Computed Patient Class History Free Text
- Triggers Event History

CC and DD Category

Select values for CC and DD Category:

- CDC Heroin Overdose v1
- CDC Heroin Overdose v2
- Foreign Travel
- Heat Related Illness v1**
- Mumps v1
- Norovirus v1
- Visits Of Interest

Selected Query Fields

- Geography System**
Hospital
- Medical Grouping System**
ESSENCE Syndromes
- CC and DD Category**
Heat Related Illness v1

Table Builder | Time Series | Data Details | Graph Builder | Overview | Adv Qry | Reset

Finding Weather Data

Add Overlay

Datasource: Weather Data Time Resolution: Daily Detector: Regression/EWMA 1.2 As Percent Query: No Percentage Query Start Date: 24Mar17 End Date: 22Jun17

Available Query Fields

- Weather Data
 - Weather Station
 - Time Aggregation Function
 - Station Aggregation Function
 - Weather Factor

Weather Station

Select values for Weather Station:

- AZ - SAFFORD AZ AIRPORT
- AZ - SAINT JOHNS AZ AIRPORT
- AZ - SCOTTSDALE
- AZ - TUCSON
- AZ - WINDOW ROCK AZ AIRPORT
- AZ - WINSLOW AZ AIRPORT
- AZ - YUMA
- CA - BAKERSFIELD
- CA - BARSTOW-DAGGETT
- CA - BISHOP

Selected Query Fields

- Weather Station
 - AZ - YUMA
- Time Aggregation Function
 - Max
- Station Aggregation Function
 - Max
- Weather Factor
 - Maximum Temperature

Add Overlay Cancel

Weather Station County Information— Not All Counties Available

Query Wizard

Datasource: Weather Data Time Resolution: Daily Detector: Regression/EVMA 1.2 As Percent Query: No Percentage Query Start Date: 24Mar17

Available Query Fields

- Weather Station
- Time Aggregation Function
- Station Aggregation Function
- Weather Factor

Select values for Weather Station:

- AZ - DOUGLAS
- AZ - FLAGSTAFF AZ AIRPORT
- AZ - GRAND CANYON AZ AIRPORT
- AZ - KINGMAN
- AZ - NOGALES AZ AIRPORT
- AZ - PAGE AZ AIRPORT
- AZ - PHOENIX
- AZ - PRESCOTT
- AZ - SAFFORD
- AZ - TUCSON
- AZ - WINDOW ROCK AZ AIRPORT
- AZ - WINSLOW AZ AIRPORT

Select | Help

Table Builder | Time Series | Data Details | Graph Builder

Saint Johns	Apache
Douglas	Cochise
Flagstaff	Coconino
Grand Canyon	Coconino
Page	Coconino
Safford	Graham
Deer Valley/Phoenix	Maricopa
Phoenix	Maricopa
Scottsdale	Maricopa
Kingman	Mohave
Window Rock	Navajo
Winslow	Navajo
Tucson	Pima
Nogales	Santa Cruz
Prescott	Yavapai
Yuma	Yuma

Weather Station Variables

Query Wizard

DataSource: Weather Data Time Resolution: Daily Defactor: Regression/EWMA 1.2 As Percent Query: No Percentage Query Start Date: 24Mar17 End Date: 22Jun17

Available Query Fields: Weather Factor

Weather Station
Time Aggregation Function
Station Aggregation Function
Weather Factor

Maximum Temperature
Minimum Temperature
Average Temperature
Departure Temperature
Heating Degree Days
Cooling Degree Days
Water Equivalent
Snowfall
Snow Depth
Average Wind Speed
Maximum Two Minute Wind Speed
Maximum Two Minute Wind Speed Direction
Minutes Sun
Possible Sun
Sky Cover
Weather Code

Select Help

Selected Query Fields

Time Aggregation Function
Max

Station Aggregation Function
Max

Weather Factor
Maximum Temperature

Table Builder Time Series Data Details Graph Builder Overview Adv Qry Reset

Create automatic refresh of query with new data

Configure Overlay

Basic Parameters

Style:

Date Alignment:

Days from Today:

Start Date:

End Date:

Denominator Parameters

Use Denominator: ☐

Denominator:

Show

	Axis Left	Axis Right	Line Graph	Bar Graph
☒ Original	☒	☐	☒	☐
☒ Overlay	☐	☒	☒	☐
☐ Percent	☐	☐	☐	☐

Legend

Style

Single: Plots all queries on the same graph.

Multiple Large: Plots each query on its own large graph.

Multiple Small: Plots each query on its own small graph.

Date Alignment

Actual Dates: Uses the dates saved with each individual query.

Global Dates: Uses the dates provided on the form for all selected queries.

Start Together: Uses the dates saved with each individual query, but aligns them so that they all start at the leftmost side of the graph.

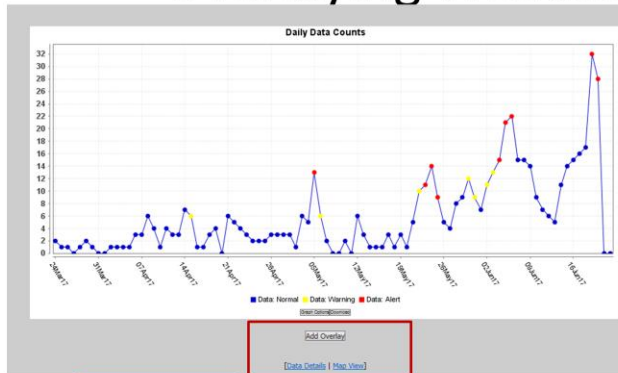
End Together: Uses the dates saved with each individual query, but aligns them so that they all start at the rightmost side of the graph.

Denominator Type

Original/Overlay: Numerator is the original query and denominator the query selected to overlay the original.

Global Denominator: Numerator is the overlay query selected and the denominator is the original time series.

Overlaying Weather Data



Add Overlay

Datasource: **Weather Data** Time Resolution: **Daily** Detector: **Regression/EWMA 1.2** As Percent Query: **No Percentage Query** Start Date: **24Mar17**

Available Query Fields << **Weather Station**

Weather Data
Weather Station
Time Aggregation Function
Station Aggregation Function
Weather Factor

Select values for Weather Station:
AI - MERRILL MUNICIPAL
AV - BADDEN

Select Help



**Thoughts on using
a shared protocol?**

Heat Resources Available

- **ADHS has several resources available to help support local heat efforts:**
- [Heat Safety Website](#) with information on recognition, prevention, and treatment of heat-related illness.
- [ADHS Heat Alerts Email Listserv](#) – Updated Heat Warning information sent out with tailored safety tips for the general public and school officials.
- [Arizona Heat Morbidity and Mortality Surveillance Report, 2005 – 2015](#) with county level information.
- [Bilingual Heat Safety Brochures](#) that can be distributed to partners. Hard copies can be requested and be mailed overnight.
- [Cooling center maps](#) and water donation sites provided by partners are available. Locations in [Maricopa](#), [Pima](#), and [Yuma](#) have been uploaded to the ADHS heat safety website. Additional cooling centers in other parts of the state can be found in our [Surviving AZ Heat Brochure](#). Please contact us if you have additional locations that you would like us to add.
- **Heat Safety Toolkits** that include a public health safety video for [Older Adults](#), [Outdoor Workers](#), and [School Age Children](#) are available on our website as well as in hard copy.

Upcoming Meetings

Exploratory
Analysis Subgroup



Arizona BioSense
Workgroup

- Thurs. July. 27
from 1:00 – 2:00

- Tues. Aug. 01
from 1:00 – 2:00



ARIZONA DEPARTMENT
OF HEALTH SERVICES

Health and Wellness for all Arizonans

THANK YOU

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