

Exploratory Analysis Subgroup/AZ BioSense Opioid Workgroup

January 28, 2021



ARIZONA DEPARTMENT
OF HEALTH SERVICES

Health and Wellness for all Arizonans

Agenda

- Welcome and Attendance
- Onboarding Update
 - New Hospitals
- [Basecamp](#)
 - AZ Shared Collaborative Space
 - Monthly [Automatic Check-in](#) Questions
 - Have you added your updates?
- Data Sharing:
 - CDC Bacterial Diseases Branch, Division of Vector-Borne Diseases
 - [Tick Bite Syndromic Surveillance Dashboard-Public Website](#)
- ESSENCE Concepts
 - New CCDD Categories
 - CDC COVID-Specific DD v1
 - CDC Vaccine-Associated Adverse Events v1 Plus COVID-19 Vaccines Free Text Terms
 - Winter Weather
 - Cold Related Illness v1
 - Weather Data
 - Homelessness v1
 - All Traffic Related v2
 - Insurance_Coverage
 - Insurance_Company_ID
- Discussion/Open Mic
- Upcoming Meetings

Onboarding Updates

- Hospitals
 - O.A.S.I.S Hospital 01/07/2021
 - Northern Arizona Healthcare 01/25/2021
 - Flagstaff Medical Center
 - Verde Valley Medical Center
 - Verde Valley Medical Center-Sedona Campus

NSSP CoP Slack Channel

Announcement + Registration for NSSP Community of Practice Slack Workspace



Hayleigh McCall

To: Syndromic, Alysa, Deborah, Loren, Wayne Loschen@hsuapl.edu, Kathleen, Aaron, Matt

Tue, Oct 6, 2:23 PM



Sent to NSSP Community of Practice (CoP) Members

Greetings NSSP CoP members,

The Council of State and Territorial Epidemiologists (CSTE), which facilitates the NSSP Community of Practice (NSSP CoP), now supports and moderates the new **NSSP CoP Slack Workspace**. This new Slack workspace is a communication tool and collaboration platform for advancing syndromic surveillance practice. Use it to easily share information with peers, plan projects, and accelerate data analyses. Reap the benefits of collectively working with health scientists at CDC, other federal agencies, and with state, territorial, local, and tribal (STLT) public health departments—all using *NSSP's BioSense Platform*!

If you need quick access to syndromic surveillance experts and are affiliated with a federal agency or STLT health department as a full-time employee (FTE) or contractor, the NSSP CoP Slack Channel is designed for YOU. The NSSP CoP Slack Channel is not designed for public use. To join, please submit your request [here](#).

Starting October 20, 2020, CDC's NSSP staff will no longer participate in the Health Surveillance Slack. Look for new NSSP-related channels on the **NSSP CoP Slack Workspace** beginning October 20, 2020.

If you have questions about the NSSP CoP, its highly collaborative user groups, the NSSP CoP Slack Workspace, or syndromic surveillance, please email syndromic@cste.org.

Thanks,

Hayleigh McCall, MPH
Program Analyst III



Council of State and Territorial Epidemiologists

"Using the power of epidemiology to improve the public's health"

CSTE.org • [Members](#) • [Facebook](#) • [Twitter](#) • [Instagram](#)

2635 Century Parkway NE, Suite 700, Atlanta, GA 30345

Tel: 770.458.3811 | Fax: 770.458.8516

To join, please submit your request [here](#):

https://cste.co1.qualtrics.com/jfe/form/SV_721loa5BmlANKS1

Emergent Conditions

- Coronavirus Disease 2019 [COVID-19](#)
- New updates to the COVID CCDD Categories as of 01/08/2021
- Changes made to include new DD added to ICD10CM by CDC
- Pneumonia due to coronavirus 2019 (J12.82)

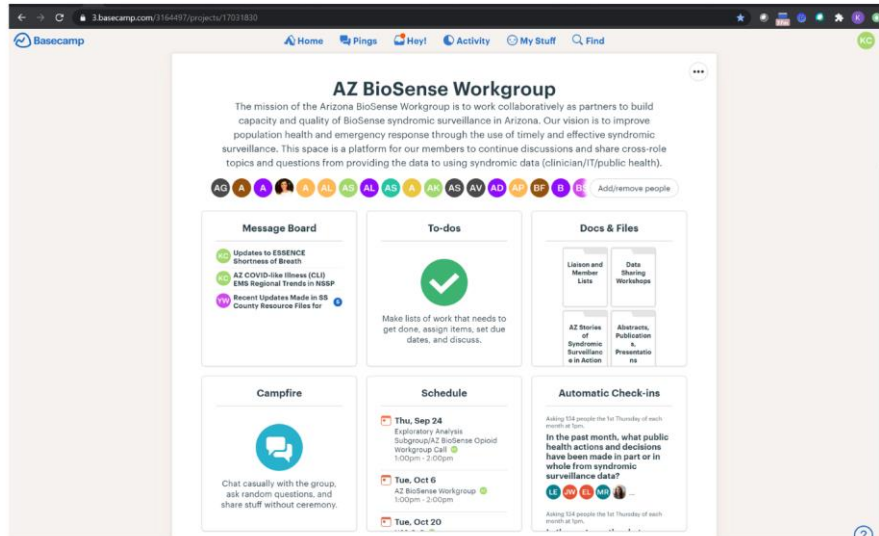
Coronavirus Disease 2019 (COVID-19)

CDC Situation Summary: <https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/summary.html>

ADHS: <https://www.azdhs.gov/preparedness/epidemiology-disease-control/infectious-disease-epidemiology/index.php#novel-coronavirus-home>

ADHS Data Dashboard: <https://www.azdhs.gov/preparedness/epidemiology-disease-control/infectious-disease-epidemiology/covid-19/dashboards/index.php>

Basecamp



Basecamp: <https://3.basecamp.com/3164497/projects/17031830>

Basecamp

Asking 132 people the 1st Thursday of each month at 1pm.

In the past month, what public health actions and decisions have been made in part or in whole from syndromic surveillance data?



Basecamp: <https://3.basecamp.com/3164497/projects/17031830>

Basecamp

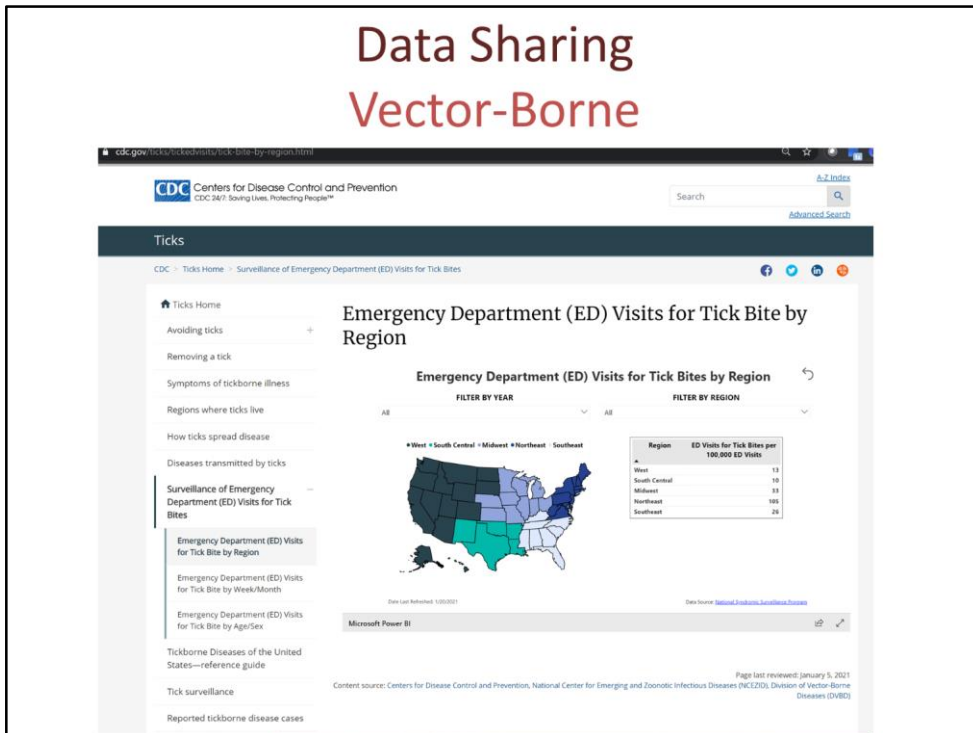
Asking 131 people the 1st Thursday of each month at 1pm.

In the past month, what data/information use and sharing actions for overdose related events (i.e. opioid) have you used your syndromic data for?



Basecamp: <https://3.basecamp.com/3164497/projects/17031830>

Data Sharing Vector-Borne



CDC Bacterial Diseases Branch, Division of Vector-Borne Diseases Tick Bite Syndromic Surveillance Dashboard-Public Website Live:

<https://www.cdc.gov/ticks/tickedvisits/tick-bite-by-region.html>

State Aggregate updates to the dashboard will be available in future months

ESSENCE Concepts

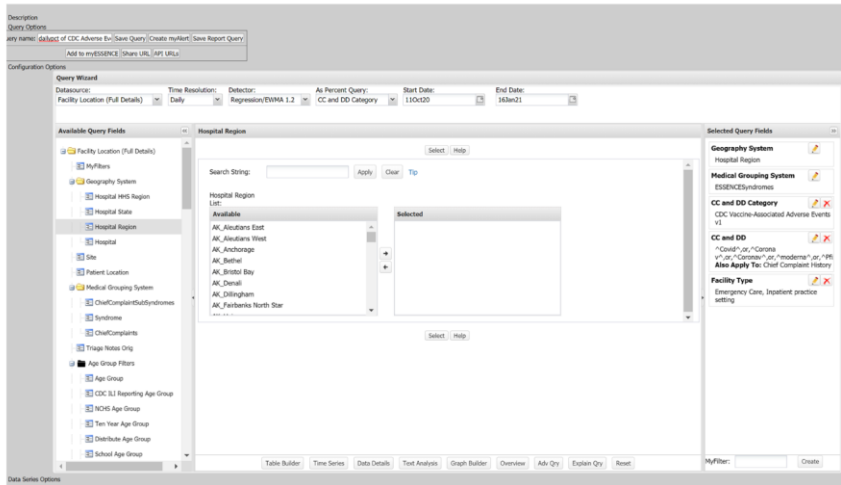
VAE CCDD Category plus COVID-19 Vaccine Free Text Terms

- CDC Vaccine-Associated Adverse Events v1
- Per NSSP's Zach Stein
- "You could select the **CCDD Category**, and then add a CC query for something like
**^Covid^,or,^Corona
v^,or,^Coronav^,or,^moderna^,or,^Pfizer^**"

Contact Syndromicsurveillance@azdhs.gov for more information.

- Request training if you aren't sure how to set up a particular query.

ESSENCE Concepts



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ESSENCE Concepts

New CCDD Categories

- CDC COVID-Specific DD v1

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ESSENCE Concepts

Updated CCDD Categories

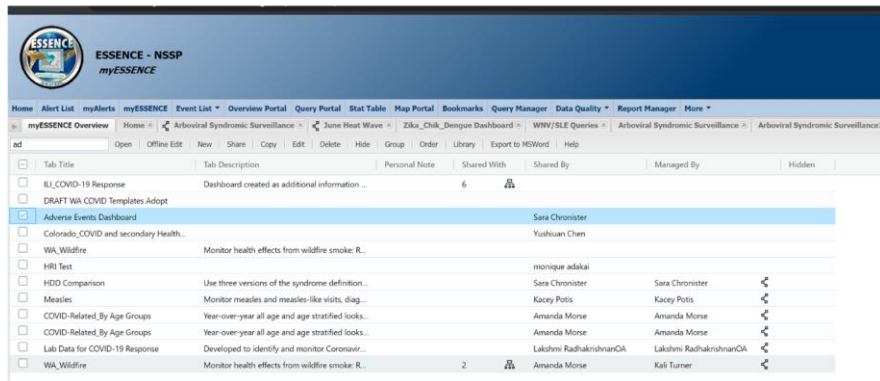
- CDC Intimate Partner Violence v2
- CDC Coronavirus-DD v1
- ILI Syndrome Neg Coronavirus DD v1
- ILI CCDD Neg Coronavirus DD v1
- CLI CC with CLI DD and Coronavirus DD v1
- CLI CC with CLI DD and Coronavirus DD v2

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ESSENCE Concepts

Adverse Events Protocol



The screenshot shows the ESSENCE - NSSP myESSENCE web application. The top navigation bar includes links for Home, Alert List, myAlerts, myESSENCE, Event List, Overview Portal, Query Portal, Stat Table, Map Portal, Bookmarks, Query Manager, Data Quality, Report Manager, and More. Below the navigation bar, there is a search bar and a list of tabs. The 'Adverse Events Dashboard' tab is selected. The main content area displays a table of adverse events with columns for Tab Title, Tab Description, Personal Note, Shared With, Shared By, Managed By, and Hidden. The table lists several events, including 'IJ_COVID-19 Response', 'DRAFT WA COVID Templates Adopt', 'Adverse Events Dashboard', 'Colorado, COVID and secondary Health...', 'WA_Wildfire', 'HRI Test', 'HDD Comparison', 'Measles', 'COVID-Related, By Age Groups', 'COVID-Related, By Age Groups', 'Lab Data for COVID-19 Response', and 'WA_Wildfire'.

Tab Title	Tab Description	Personal Note	Shared With	Shared By	Managed By	Hidden
☐ IJ_COVID-19 Response	Dashboard created as additional information ...		6			
☐ DRAFT WA COVID Templates Adopt						
☒ Adverse Events Dashboard				Sara Chronister		
☐ Colorado, COVID and secondary Health...				Yushuan Chen		
☐ WA_Wildfire	Monitor health effects from wildfire smoke R...			monique adakai		
☐ HRI Test				Sara Chronister	Sara Chronister	
☐ HDD Comparison	Use three versions of the syndrome definition...			Kacey Potts	Kacey Potts	
☐ Measles	Monitor measles and measles-like visits, diag...			Amanda Morse	Amanda Morse	
☐ COVID-Related, By Age Groups	Year-over-year all age and age stratified looks...			Amanda Morse	Amanda Morse	
☐ COVID-Related, By Age Groups	Year-over-year all age and age stratified looks...			Lakshmi RadhakrishnanQA	Lakshmi RadhakrishnanQA	
☐ Lab Data for COVID-19 Response	Developed to identify and monitor Coronavir...			Amanda Morse	Kali Turner	
☐ WA_Wildfire	Monitor health effects from wildfire smoke R...		2			

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ESSENCE Concepts

New CCDD Categories

CC and DD Categories

CC and DD Categories

Search

Category ¹	Definition	Description	Date Created ¹
CDC Firearm Injury v2	Search CC and DD field: ((^1/ [W323]^andnot,^1/ [W323]___[D5]^,or,^1/...	Created by partners in the CDC's National Center for Injury Prevention...	2020-10-15
CDC Assault Firearm Injury v1	Search CC and DD field: ((^1/ [X934]^andnot,^1/ [X934]___[D5]^,or,^1/...	Created by partners in the CDC's National Center for Injury Prevention...	2020-10-15
CDC Intentional Firearm Injury v1	Search CC and DD field: ((^1/ [X723]^andnot,^1/ [X723]___[D5]^,or,^1/...	Created by partners in the CDC's National Center for Injury Prevention...	2020-10-15
CDC Unintentional Firearm Injury v1	Search CC and DD field: ((^1/ [W323]^andnot,^1/ [W323]___[D5]^,or,^1/...	Created by partners in the CDC's National Center for Injury Prevention...	2020-10-15
CDC Opioid Overdose v3	Search CC and DD field: (^narcan^,or,^naloxo^,or,^1/ [T40] [112346] [X0129]...	Created by partners in the CDC's National Center for Injury Prevention...	2020-10-23
CDC All Drug v2	Search CC and DD field: (^1/ [295121001] [1]^,or,^1/ [295597003] [1]^,or,^1/...	Created by partners in the CDC's National Center for Injury Prevention...	2020-10-23
Change in Taste or Smell v1	Search CC and DD field: ((^taste^,or,^smell^,^and,^lost,or,^lost,or,^care^...	Description to be added	2020-11-04
DoD COVID-Like Illness v1	DoD Database Only -- Search Discharge/Diagnosis field: ^B34.2^,or,^B97.2...	Description to be added	2020-12-09
CDC Vaccine-Associated Adverse Events v1	Search CC field and also apply to DD field: ((^vaccin^,or,^immuniz^,or,^1/...	The purpose of this query is to identify adverse events following vacci...	2020-12-10
CDC COVID-Specific DD v1	Search the DD field: ^1/ [J071]^,or,^1/ [J071]^,or,^B40539006^,or,^B40544...	Description to be added	2021-01-08
CDC Intimate Partner Violence v2	Search CCDD field: ((^assault^,or,^sexualabuse^,or,^israel,or,^1/ [B97.2]^...	The purpose of this query is to capture visits related to intimate partn...	2021-01-08
CDC Coronavirus-DD v1	Search Discharge Diagnosis field: ^1/ [B34.2]^,or,^1/ [B342]^,or,^1/ [B97.2]^...	This query is designed to identify records with diagnostic codes assoc...	2021-01-08
ILI Syndrome Neg Coronavirus DD v1	Select Syndrome: ILI and Search CCDD Category Free Text field: ISNULL,or,^...	Updated on 1/8/21 to add ICD10CM J12.82 to CDC Coronavirus-DD v1.	2021-01-08
ILI CCDD Neg Coronavirus DD v1	Search CCDD Category Free Text field: ^ILI CCDD v1^,^ANDNOT,^CDC Cor...	Updated on 1/8/21 to add ICD10CM J12.82 to CDC Coronavirus-DD v1.	2021-01-08
CLI CC with CLI DD and Coronavirus DD v1	Search the CCDD Category field and Also apply to Discharge Diagnosis: ^Fe...	This query was created to allow patients to meet the Corona-like line...	2021-01-08
CLI CC with CLI DD and Coronavirus DD v2	Search the CCDD Category field and Also apply to Discharge Diagnosis: ^Fe...	This query was created to allow patients to meet the Corona-like line...	2021-01-08

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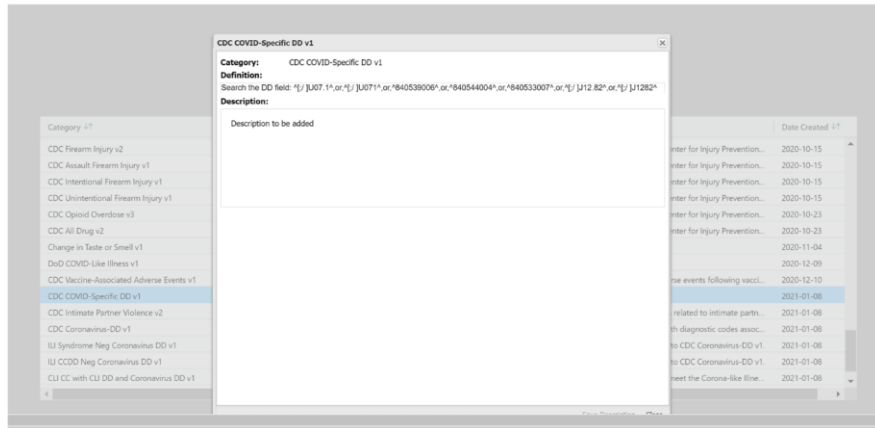
ESSENCE Concepts



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ESSENCE Concepts



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ESSENCE Concepts

[illegible]

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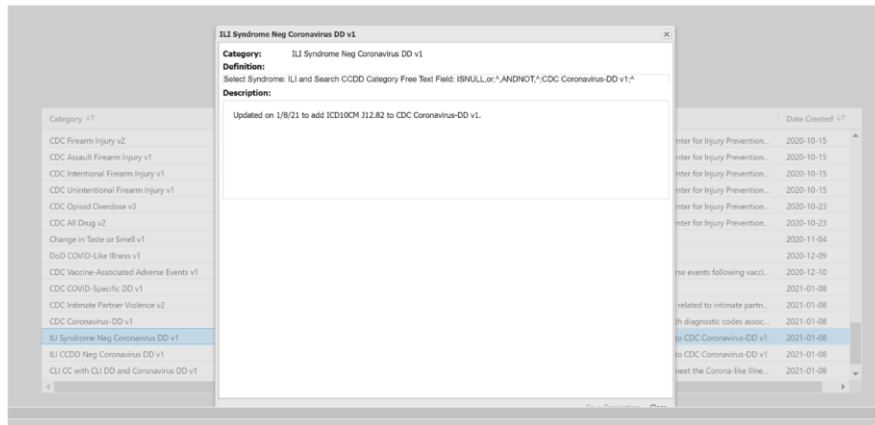
ESSENCE Concepts



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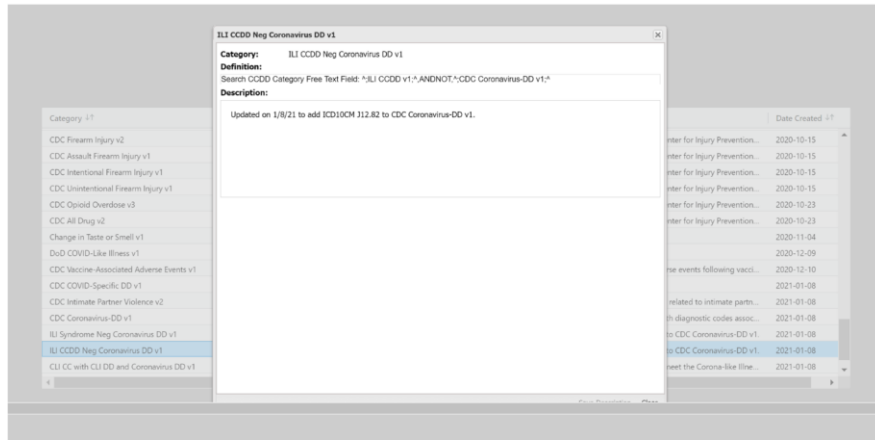
ESSENCE Concepts



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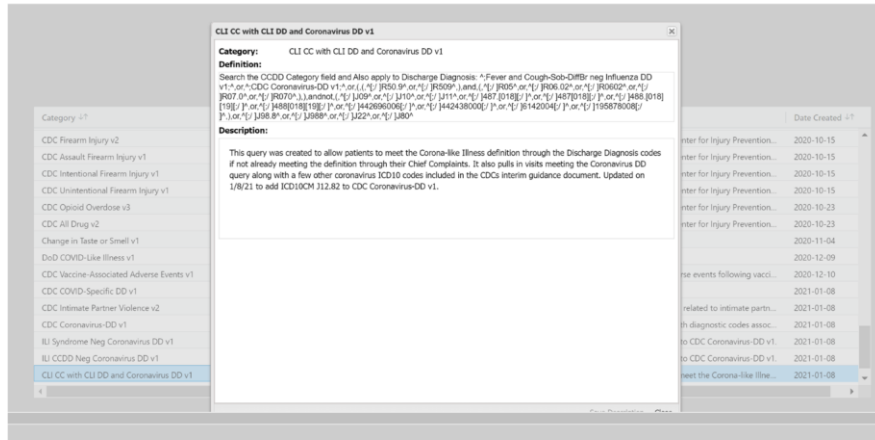
ESSENCE Concepts



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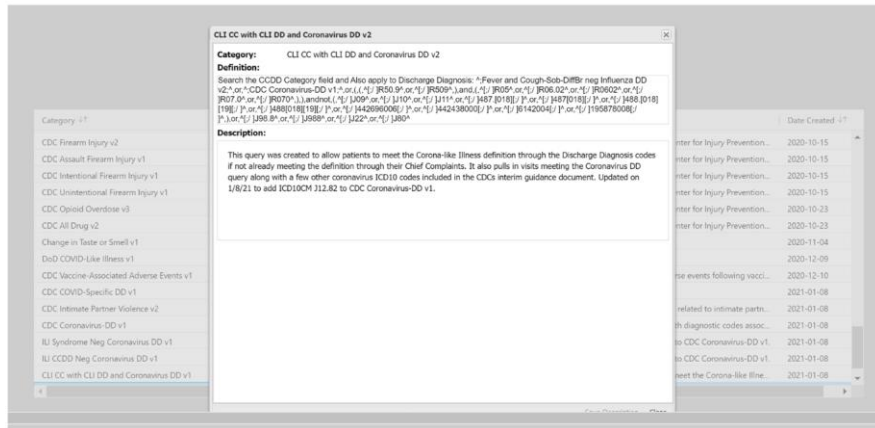
ESSENCE Concepts



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ESSENCE Concepts



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ESSENCE Concepts Winter Weather

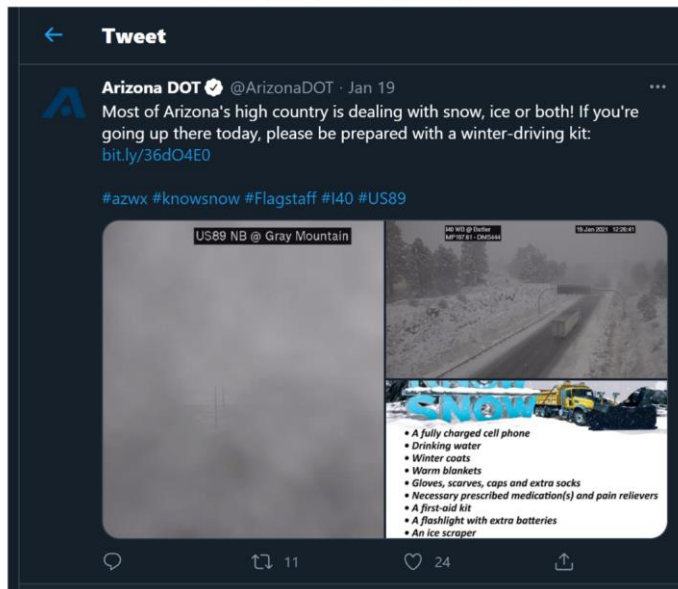


Photo Arizona ADOT Twitter Feed:

https://twitter.com/ArizonaDOT/status/1351612417445294080?ref_src=twsrc%5Etfw%7Ctwcamp%5Etweetembed%7Ctwterm%5E1351612417445294080%7Ctwgr%5E%7Ctwcon%5Es1_&ref_url=https%3A%2F%2Fwww.azfamily.com%2Fnews%2Fadot-warns-drivers-about-dangers-of-driving-in-snow%2Farticle_285c4d2e-5a9a-11eb-b4c7-5f1e922c4b4d.html

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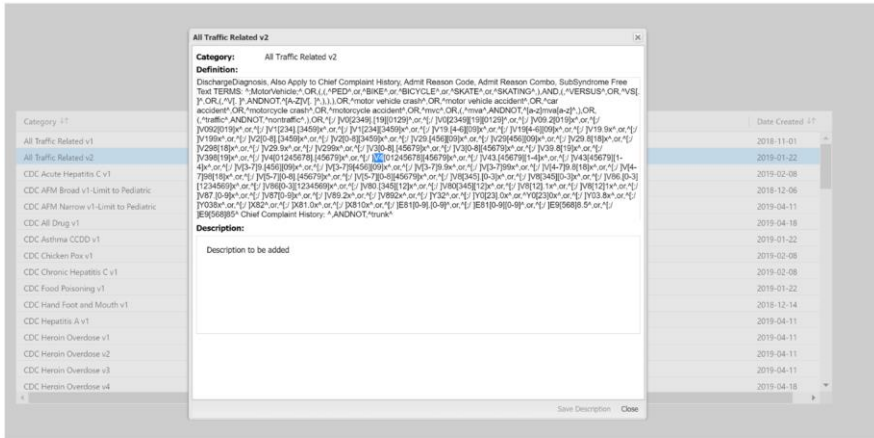
ESSENCE Concepts

[illegible]

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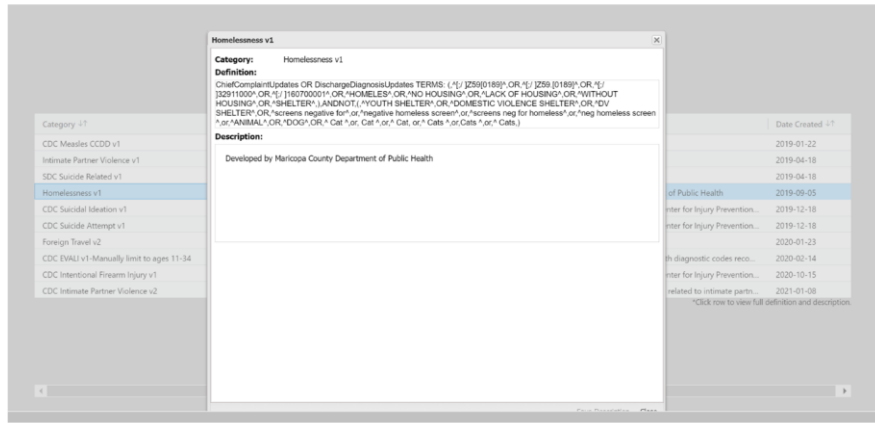
ESSENCE Concepts



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ESSENCE Concepts



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ESSENCE Concepts

National Syndromic Surveillance Program - Community of Practice KNOWLEDGE REPOSITORY

[Search All](#) [Use Cases](#) [Syndromes](#) [Stories of Surveillance in Action](#) [Trending Topics](#) [Meeting Recordings](#) [NSSP Newsletter](#)

Welcome to the Syndrome Library

Click on a topic under the Syndrome Category section in the left column, then select a syndrome from the list of syndromes that appear for that topic. You may also search for specific syndromes by entering one or more keywords in the Search bar. You can filter the search results by Platform or Author Name.

Sort by Relevance Order Highest to Lowest

Syndrome Category ▼

- Environmental Exposure (3)
- Behavioral Health (1)
- Emergency Preparedness (1)

Syntax Platform ▶

Jurisdiction ▶

Surveillance System ▶

Tags ▶

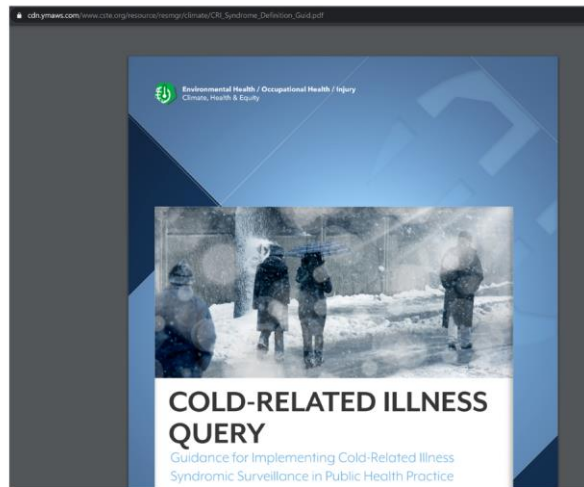
Cold-Related Illness - CSTE
Cold-Related Illness Query: Guidance for Implementing Cold-Related Illness Syndromic Surveillance in Public Health Practice
In winter, people are at risk for cold-related illness (CRI) such as hypothermia. Deaths coded as weather-related from 2006 through 2010 showed exposure to excessive... [Read more](#)
Content Type: Syndrome

Hypothermia/Cold Exposure - Idaho Division of Public Health
This query is used to assess trends in hypothermia or cold exposure in emergency department visits in ESSENCE. The query captures cold exposure, hypothermia, and frost bite using chief complaint, triage note, and discharge diagnosis code (ICD-10CM). The query does not exclude hypothermia related... [Read more](#)
Content Type: Syndrome

Frostbite, Cold Exposure, & Hypothermia - Kansas Department of Health and Environment**
This syndrome was created as a way to monitor Frostbite, Cold Exposure, & Hypothermia in Kansas Emergency Department visits. **Please note that the hypothermia portion of this syndrome was created to ONLY include hypothermia associated with low environmental temperature.
Syndrome... [Read more](#)
Content Type: Syndrome

- Knowledge Repository Syndrome Definition Library:
https://knowledgerepository.syndromicsurveillance.org/search/syndrome?success_stories_api_views_fulltext=cold&sort_by=search_api_relevance&sort_order=DESC

ESSENCE Concepts



- Knowledge Repository Syndrome Definition Library-Cold-related Illness Query Guidance Document:
https://cdn.ymaws.com/www.cste.org/resource/resmgr/climate/CRI_Syndrome_Definition_Guid.pdf
- Syndrome Definition Subcommittee presentation by Matt Roach ADHS:
<https://vimeo.com/385350263>
- NSSP Success Story: <https://www.cdc.gov/nssp/success-stories/Cold-Illness.html>

ESSENCE Concepts State Example

The screenshot displays the 'Configuration Options' window for the ESSENCE Concepts State Example. The window is divided into several sections:

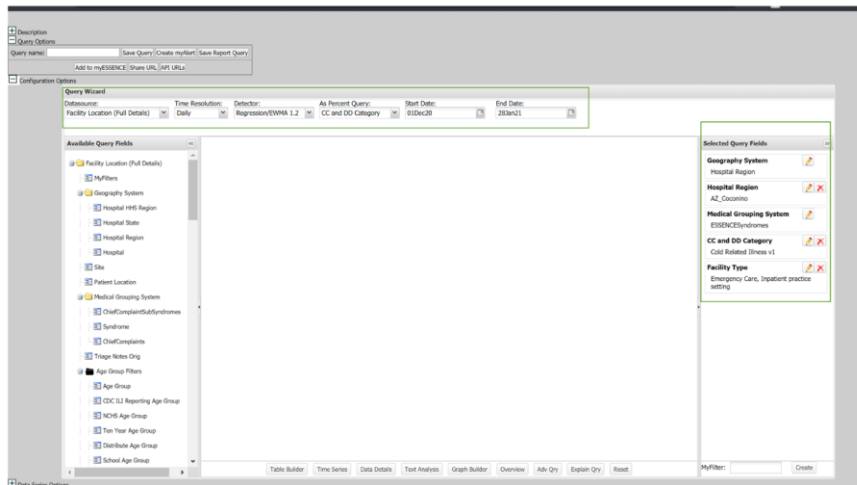
- Query Wizard:** Includes fields for 'Database' (Facility Location (Full Details)), 'Time Resolution' (Daily), 'Detector' (No Detection), 'As Percent Query' (No Percentage Query), 'Start Date' (01Dec20), and 'End Date' (28Jan21).
- Available Query Fields:** A list of fields on the left, including 'DDI Percent Last 2 Years', 'DDI Percent Std Dev Last 2 Years', 'DDI Percent Last 3 Years', 'DDI Percent Std Dev Last 3 Years', 'DDI Percent Last 4 Years', 'DDI Percent Std Dev Last 4 Years', 'ICD10 Discharge Diagnosis', 'Time Interval', 'Diagnosis Type', 'CC and DD Category', 'CC and DD', 'CC and DD Category Free Text', 'Syndrome Subsyndrome CDD Cor', 'Syndrome Free Text', 'Subsyndrome Free Text', 'Chief Complaint Only Free Text', 'Chief Complaint Combo Free Text', 'Admit Reason Code', 'Admit Reason Combo', 'Discharge Diagnosis Combo Free Text', and 'Facility Type'.
- Facility Type:** A section for selecting values for Facility Type, with options: 'Emergency Care', 'Urgent Care', 'Inpatient practice setting', 'Medical Specialty', 'Primary Care', and 'Other'. A 'Select' button is present.
- Selected Query Fields:** A list of fields on the right, including 'Geography System' (Hospital Region), 'Site' (Arizona), 'Medical Grouping System' (ESSENCE Syndromes), 'CC and DD Category' (Cold Related Illness v1), and 'Facility Type' (Inpatient practice setting, Emergency Care).

At the bottom, there are tabs for 'Table Builder', 'Time Series', 'Data Details', 'Text Analysis', 'Graph Builder', 'Overview', 'Adv Qry', 'Export Qry', and 'Save'. A 'Filter' field and a 'Create' button are also visible.

- This query is set up with Facility Types Emergency Care and Inpatient Practice Setting. These may not represent all visits for Cold-related Illness. Some patients may seek treatment at Urgent Care Clinics. If you have access to Urgent Care Clinic data, you can also add that Facility Type to your Selected Query Fields.

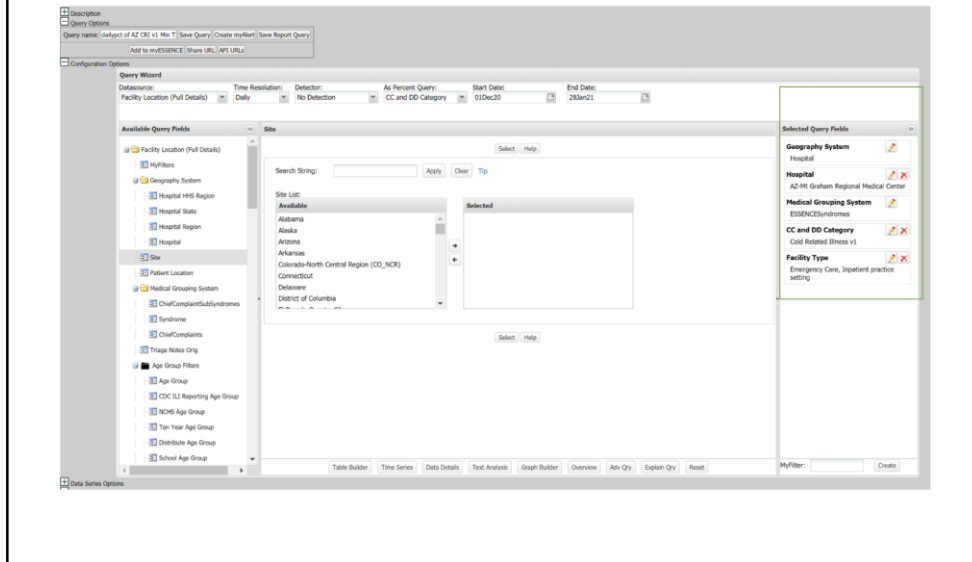
ESSENCE Concepts

LPHJ Example



- This query is set up with Facility Types Emergency Care and Inpatient Practice Setting. These may not represent all visits for Cold-related Illness. Some patients may seek treatment at Urgent Care Clinics. If you have access to Urgent Care Clinic data, you can also add that Facility Type to your Selected Query Fields.

ESSENCE Concepts Hospital Example



- This query is set up with Facility Types Emergency Care and Inpatient Practice Setting. These may not represent all visits for Cold-related Illness. Some patients may seek treatment at Urgent Care Clinics. If you have access to Urgent Care Clinic data, you can also add that Facility Type to your Selected Query Fields.

ESSENCE Concepts

Add Overlay

DataSource: Time Resolution: Detector: As Percent Query: Start Date: End Date:

Available Query Fields

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

Weather Station

Select values for Weather Station:

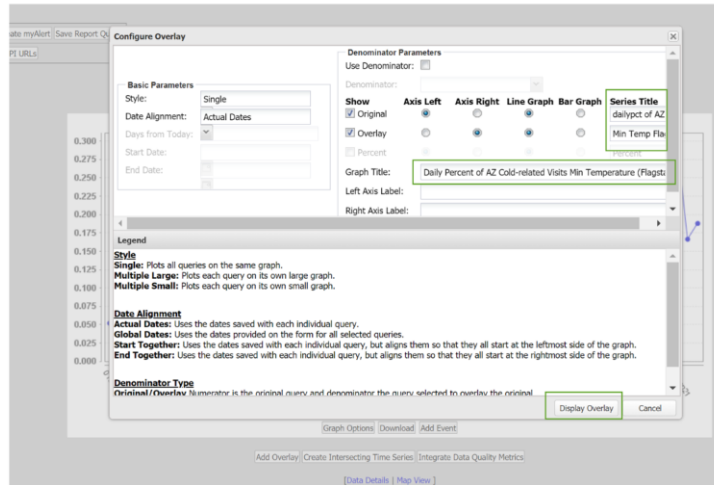
- AR - PINE BLUFF
- AR - RUSSELLVILLE
- AR - SEARCY AIRPORT
- AR - STUTTGART AIRPORT
- AR - WALNUT RIDGE AIRPORT
- AZ - DEER CREEK AIRPORT
- AZ - DONAGH
- AZ - FLAGSTAFF AZ AIRPORT**
- AZ - BRAND CANYON AZ AIRPORT
- AZ - KINGMAN
- AZ - MESA FALCON FIELD
- AZ - NOGALES AZ AIRPORT
- AZ - PAGE AZ AIRPORT
- AZ - PHOENIX
- AZ - PRESCOTT AZ AIRPORT
- AZ - SAFFORD AZ AIRPORT
- AZ - SAINT JAMES AZ AIRPORT
- AZ - SCOTTSDALE
- AZ - TUCSON
- AZ - WINDOW ROCK AZ AIRPORT
- AZ - WINSLOW AZ AIRPORT

Selected Query Fields

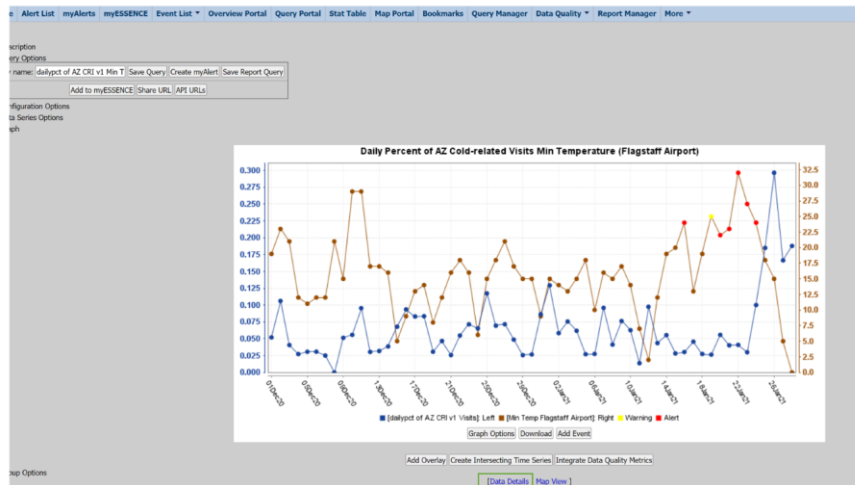
- Weather Station**
AZ - FLAGSTAFF AZ AIRPORT
- Time Aggregation Function**
Min
- Station Aggregation Function**
Min
- Weather Factor**
Minimum Temperature

Buttons: Add Overlay, Cancel, MyFilter, Create

ESSENCE Concepts



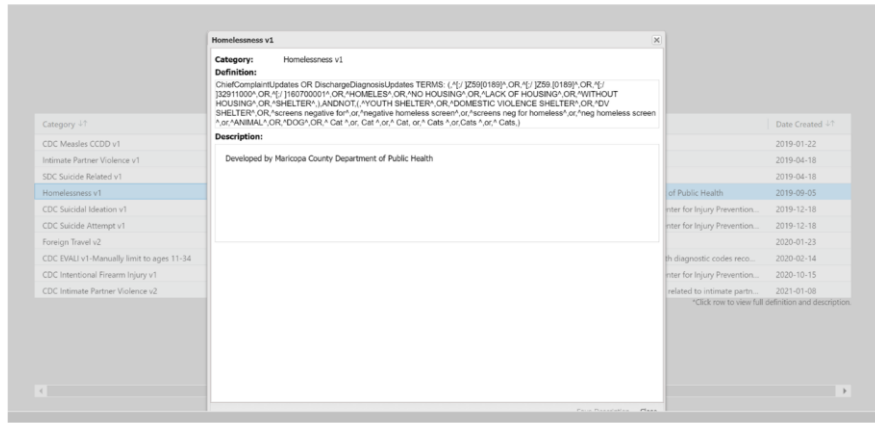
ESSENCE Concepts



The graphs on this slide summarize the number of emergency department, and inpatient hospital visits for individuals experiencing cold-related illnesses (CRI) according to the BioSense data from 83 out of 91 Arizona emergency department and inpatient hospitals, and urgent care clinics. Included are daily minimum temperatures. The BioSense Platform ESSENCE tool locates cold-related illness visits by identifying key terms and codes within the chief complaint field (i.e., the patient's stated reason for visit), admission reason field (i.e., the provider's noted reason for admission), and discharge diagnosis code field (i.e., ICD-9-CM and ICD-10-CM codes).

**These data have limitations that must be considered when interpreting findings. Not all hospitals participate in the BioSense Platform, so visits to non-participating hospitals are not available in the data. Very limited data from select urgent care clinics participating as a pilot project.*

ESSENCE Concepts



Contact Syndromicsurveillance@azdhs.gov for more information.

- Request training if you aren't sure how to set up a particular query.

ESSENCE Concepts

Formula Bar BB

CCDDCategory_flat

;Cold Related Illness v1;

;CDC Alcohol v1;Cold Related Illness v1;Visits of Interest;

;Cold Related Illness v1;Visits of Interest;

;CDC Alcohol v1;Cold Related Illness v1;

;CDC Alcohol v1;Cold Related Illness v1;Visits of Interest;

;Cold Related Illness v1;Homelessness v1;Visits of Interest;

;CDC Alcohol v1;Cold Related Illness v1;Visits of Interest;

;Cold Related Illness v1;

;Cold Related Illness v1;

;CDC Alcohol v1;Cold Related Illness v1;

;CDC Alcohol v1;Cold Related Illness v1;Homelessness v1;

;CDC All Drug v1;CDC All Drug v2;CDC Opioid Overdose v1;CDC Opioid Ov

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ESSENCE Concepts

CA	CB
Insurance_Coverage	Insurance_Company_ID

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ESSENCE Concepts

az ss implementation guide.pdf

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Health and Wellness for all Arizonans

November 2018

ADHS

AZ SS Implementation Guide: Version 2.0

IN1-- INSURANCE SEGMENT

The IN1 segment contains insurance policy coverage information necessary to produce properly pre-rated patient and insurance bills.

SEQ	URN	DT	Usage	Cardinality	TRM	Element Name	Requirement/Recommendation/Literal Value	Description/Comments
1	478	CE	R	[1..1]	0073	Insurance Plan ID	Identifier * Description * Coding System	IN1111... IN1122... User defined table #0073 If information is unavailable then use UNK**UNKNOWN**NO-LLP
3	250	CE	R	[1..1]	0038	Insurance Company ID	Identifier *** Assigning Authority Name & ID & ID Type * Identifier Type * Assigning Facility Name & ID & ID Type	IN11... IN12... If information is unavailable then use UNK**UNKNOWN**NO-LLP
4	250	SCN	X	[0..1]		Ins. Company Name		Not used.
5	153	XAD	X	[0..1]		Ins. Company Address		Not used.
6	254	APN	X	[0..1]		Ins. Company Contact Person		Not used.
7	250	KTN	X	[0..1]		Ins. Company Phone Number		Not used.
8	12	ST	X	[0..1]		Group Number		Not used.
9	250	SCN	X	[0..1]		Group Name		Not used.
10	250	CA	X	[0..1]		Insured's Group Emp. ID		Not used.
11	250	SCN	X	[0..1]		Insured's Group Emp. Name		Not used.

- You can find the value set for the Insurance Plan ID and Insurance Company ID that the codes are mapped to in ESSENCE.
- AZ SS IG: <https://www.azdhs.gov/documents/preparedness/epidemiology-disease-control/meaningful-use/syndromic-surveillance/az-ss-implementation-guide.pdf>
- The Insurance Plan may have local codes that are used that we do not have a coded value set for.

ESSENCE Concepts

azdhs.gov/documents/preparedness/epidemiology-disease-control/meaningful-use/syndromic-surveillance/az-ss-implementation-guide.pdf

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Insurance

11/08

Table	Table ID	Table Name	Table Description	Table Type	Table Status	Table Version	Table Date	Table Author	Table Reviewer	Table Comments
11	250	NON	X	(0..1)	Insurance Group Emp. ID	Not used				
12	8	DT	X	(0..1)	Insurance Group Emp. Name	Not used				
13	8	DT	X	(0..1)	Plan Effective Date	Not used				
14	239	ALT	X	(0..1)	Plan Expiration Date	Not used				
					Authorization Information	Not used				

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Health and Wellness for all Arizona

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Table	Table ID	Table Name	Table Description	Table Type	Table Status	Table Version	Table Date	Table Author	Table Reviewer	Table Comments
15	1	IS	IS	(0..1)	1008	Plan Type	Not used			Coding structure of plan types, Medicare, Medicaid, Blue Cross, etc. https://www.azdhs.gov/documents/preparedness/epidemiology-disease-control/meaningful-use/syndromic-surveillance/az-ss-implementation-guide.pdf
16	294	IMP	X	(0..1)	1009	Name of Insured	Not used			
17	419	CI	X	(0..1)	1010	Insured's Relationship to Patient	Not used			
18	26	TS	X	(0..1)		Insured's Date of Birth	Not used			
19	513	AD	X	(0..1)		Insured's Address	Not used			
20	2	IS	X	(0..1)	0105	Assignment of Benefits	Not used			
21	2	IS	X	(0..1)	0179	Coordination of Benefits	Not used			
22	2	ST	X	(0..1)		Coordination of Benefit Priority	Not used			
23	1	IS	X	(0..1)	0106	Notice of Admission Flag	Not used			
24	8	DT	X	(0..1)		Notice of Admission Date	Not used			
25	1	IS	X	(0..1)	0106	Report of Eligibility Flag	Not used			
26	8	DT	X	(0..1)		Report of Eligibility Date	Not used			

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- AZ SS IG: <https://www.azdhs.gov/documents/preparedness/epidemiology-disease-control/meaningful-use/syndromic-surveillance/az-ss-implementation-guide.pdf>

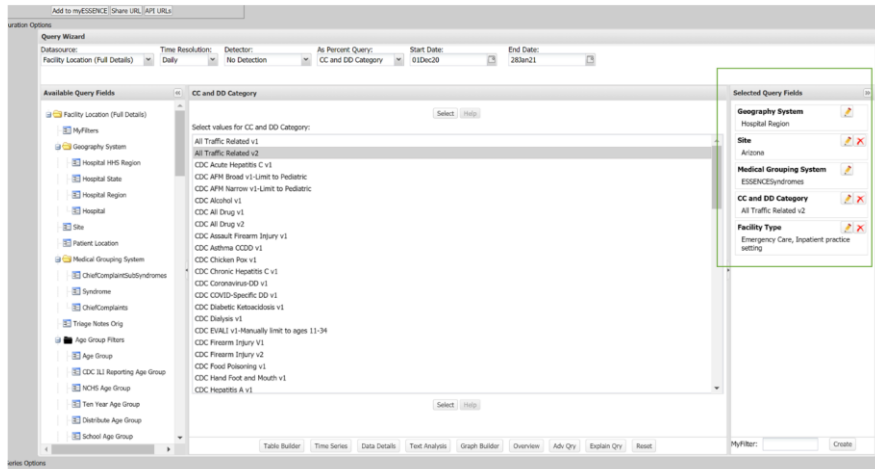
ESSENCE Concepts

The screenshot shows the PHIN Value Set web application. The main content area displays the details for the 'Source of Payment Typology (PHDSC)' value set, including its name, OID (2.16.840.1.114222.4.11.3591), and description. Below this, a table lists 170 value set concepts. The table has columns for Concept Code, Concept Name, Preferred Concept Name, Code System, and Value Set. A green box highlights a subset of concepts related to Indian Health Services.

Concept Code	Concept Name	Preferred Concept Name	Code System	Value Set
3711	HMO	HMO	Source of Payment Typology (PHDSC)	Source of Payment Typology (PHDSC)
71	HMO	HMO	Source of Payment Typology (PHDSC)	Source of Payment Typology (PHDSC)
34	HISA Program	HISA Program	Source of Payment Typology (PHDSC)	Source of Payment Typology (PHDSC)
524	Indemnity Insurance - Dental	Indemnity Insurance - Dental	Source of Payment Typology (PHDSC)	Source of Payment Typology (PHDSC)
332	Indian Health Service - Contract	Indian Health Service - Contract	Source of Payment Typology (PHDSC)	Source of Payment Typology (PHDSC)
333	Indian Health Service - Managed Care	Indian Health Service - Managed Care	Source of Payment Typology (PHDSC)	Source of Payment Typology (PHDSC)
331	Indian Health Service - Regular	Indian Health Service - Regular	Source of Payment Typology (PHDSC)	Source of Payment Typology (PHDSC)
33	Indian Health Service or Tribe	Indian Health Service or Tribe	Source of Payment Typology (PHDSC)	Source of Payment Typology (PHDSC)
334	Indian Tribe - Sponsored Coverage	Indian Tribe - Sponsored Coverage	Source of Payment Typology (PHDSC)	Source of Payment Typology (PHDSC)

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- Not all facilities send insurance information. Not all facilities send granular insurance information.

ESSENCE Concepts



Discussion/Open Mic

- How can we apply the tools and practices developed for COVID-19 to other use cases?
- Would some of this support overdose surveillance activities?
- How can current automated processes reduce burden?

Homework

- What questions do you have about current projects?
- What ideas do you have for future projects?
- What ESSENCE questions or issues have you come across?
- **What other resources can we work on putting together?**

Upcoming AZ Syndromic Meetings

Arizona BioSense
Community of
Practice

Tuesday, Feb
2nd from
1:00 – 2:00

Exploratory Analysis
Subgroup/Arizona
BioSense Opioid
Workgroup

Thursday, Feb
25th from
1:00 – 2:00

THANK YOU

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azhealth.gov

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ARIZONA DEPARTMENT
OF HEALTH SERVICES

Health and Wellness for all Arizonans