

Exploratory Analysis Subgroup

Arizona BioSense Workgroup

September 27, 2018



ARIZONA DEPARTMENT
OF HEALTH SERVICES

Health and Wellness for all Arizonans

Objectives

- Welcome and Attendance
- Community Resources
- Updates
- Opioid Syndromic Surveillance
- Varicella Project
- Data Quality
- Discussion
- Upcoming Meetings

Community Resources

- ADHS Literature Search
 - Groups > Chapters > Arizona BioSense Group
 - Pages > AZ Syndromic Surveillance Literature Review
- Public Health Reports – Syndromic Surveillance supplement:
 - http://journals.sagepub.com/toc/phrg/132/1_suppl
- Online Journal of Public Health Informatics:
 - <http://ojphi.org/ojs/index.php/ojphi/issue/view/593/showToc>

ISDS Conference

- January 29th through February 1st
- Call for [Abstracts](#)

October 1st



ESSENCE Updates

- ESSENCE Q&A v3.0
- Free Text Query Negation [video](#)
- Text highlighting in free text queries
- New CCDD Categories:
 - Intimate Partner Violence v1
 - CDC Opioid Overdose v2
 - Sexual Violence v2
- NSSP Newsletter and Release Notes

ESSENCE Q&A v3.0

Topic	Time	Topic	Time
Data Quality Portal	5:00	Year stratifications under Data Series Options for Time Series	31:36
Question marks in the free text search	7:45	Session attribute IDs and API URLs	33:18
Data Details Table Configuration and filtering	10:10	Applying date configurations to map portlets	37:40
API URLs	15:45	Errors with editing parameters	38:36
Data Details Table Configuration Cont'd	19:34	API security	39:25
Modifying APIs manually	24:15	C_Chief_Complaint validity	40:36
API for data quality results? No...not yet	26:02	Miles from Home to Facility	44:10
Documentation of updates and features – change log	28:04	Free text queries – syntax and punctuation	46:27
Data Details Table Configuration Cont'd	29:00	Data details text highlighting	54:30
Query manager and editing queries	30:36		

ESSENCE Updates

- Free Text Query Negation [video](#) (13:40)

ESSENCE

Free Text Query Negation

ESSENCE Updates

- Text highlighting in data details for free text queries

CCDD
ARRIVED FROM CARE HOME PEACEFULL VALLEY WITH COMPLAINS OF OF COUGH FEVER 1 WEEKOR SO PATIENT ONLY COMPLAINS OF SHAKY WEAK ;N39.0;A41.9;I48.91;E11.9;K21.9;Z86.14;Z87.440;Z79.84;
COUGH FEVER ;J18.9;
FEVER COUGH HEADACHE ;J44.9;

ESSENCE Updates

Intimate Partner Violence v1	CCDD TERMS: (, (^[:/]T7[46].[1239]1^,or,^[[:/]T7[46][1239]1^,or,^ass[au]lt^,OR,^ass[au][au]lt^,or,^ rape ^,or,^abuse^,or,^sane exam^,or,^ forensic nurse^,or,^slap^,or,^push^,or,^shove^,or,^kick^,or,^slam^,or,^choke^,or,^suffoc^,or,^ beat^,or,^knife^,or,^gun^,or,^penetra^,or,^coerce^,or,^sexual contact^,or,^stalk^,or,^fear^,or,^physical abuse^,or,^poison^,or,^fight^,or,^batter^,or,^abuse^,or,^yell^,or,^coward^,or,^kill^,or,^homici^,or,^fetal death^),and, (,^boyfr^,or,^girlfr^,or,^partn^,or,^spous^,or,^husb^,or,^wife^,or,^signfic^,or,^hook^,or,^ex boy^,or,^ex gir^,or,^ex part^,or,^ex hook^,or,^ ex ^),),or,^[[:/]x9[45]^,and,((^ DV ^,or,^domestic violence^,or,^boyfr^,or,^girlfr^,or,^partn^,or,^spous^,or,^husb^,or,^wife^,or,^signfic^,or,^hook^,or,^ex boy^,or,^ex gir^,or,^ex part^,or,^ex hook^,or,^ ex ^,andnot,((^ DVT_ ^,or,^dial^,)),or,^[[:/]Y0[1234789]^,and,((^ DV ^,or,^domestic violence^,or,^boyfr^,or,^girlfr^,or,^partn^,or,^spous^,or,^husb^,or,^wife^,or,^signfic^,or,^hook^,or,^ex boy^,or,^ex gir^,or,^ex part^,or,^ex hook^,or,^ ex ^,andnot,((^ DVT_ ^,or,^dial^,)),or,((,^punch^,or,^force^,),and,((^ DV ^,or,^domestic violence^,or,^boyfr^,or,^girlfr^,or,^partn^,or,^spous^,or,^husb^,or,^wife^,or,^signfic^,or,^hook^,or,^ex boy^,or,^ex gir^,or,^ex part^,or,^ex hook^,or,^ ex ^,andnot,((^ DVT_ ^,or,^dial^,)),)
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ESSENCE Updates

[illegible]

ESSENCE Updates

Category	Term
Sexual Violence v2	CCDD TERMS: (,^[:/]T74.2^,OR,^[:/]T76.2^,OR,^[:/]Z56.81^,OR,^[:/]T742^,OR,^[:/]T762^,OR,^[:/]Z5681^,ANDNOT,(^[:/]Z04.4[12]^,OR,^[:/]Z044[12]^,),),OR,(,^sexual ass[au]lt^,OR,^sexual ass[au][au]lt^,or,^sexual abuse^,),or,(, (^rape^,OR,^rape ^,),ANDNOT,(^grape^,or,^scrape^,)),or,^sane exam^,or,^forensic nurse exam^,or,^caart ^,or,(, (^punch^,or,^force^,),and,(,^sex^,),)

ESSENCE Updates

- Newsletter:

<https://www.cdc.gov/nssp/news.html>

- Release Notes:

<https://www.cdc.gov/nssp/biosense/docs/Release-Notes-1.21-ESSENCE-NSS.pdf>

CDC Opioid Crisis Funds

- Enhance the use of syndromic surveillance for the opioid crisis by:
 - Increasing the number of facilities reporting, expand representativeness
 - Increasing the use of syndromic surveillance for opioid-related events at local, state and national levels

County Involvement

- Enhance opioid biosurveillance activities through the use of systems such as MEDSIS, syndromic surveillance, prescription drug monitoring program, death data, hospital discharge data, EMS data, poison control and other data systems. (This is meant to be flexible to allow for county-specific needs.)
- Active participation in the Arizona BioSense Opioid Workgroup, including webinar attendance.

Additional Project

- Compare visits across syndromic surveillance and hospital discharge database – do syndromes look the same?
- Evaluate if HDD can be reported faster by piggy-backing on the syndromic surveillance reporting method
 - Data elements
 - Process and workflow
 - User needs
 - Recommendations

Varicella Project

- Xandy Peterson, ADHS
- Next meeting:
 - TBD

Data Quality

- ADHS regular DQ activities
 - Daily File Monitoring
 - Weekly DQ and Validity Reporting
 - Monthly Timeliness Reporting

Discussion

- 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?

Upcoming AZ Syndromic Meetings

Arizona
BioSense
Workgroup

Tuesday,
October 2 from
1:00 – 2:00

Exploratory
Analysis
Subgroup

Thursday,
October 25 from
1:00 – 2:00

THANK YOU

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azhealth.gov

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 facebook.com/azdhs



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