

Influenza Surveillance and Essence Utilization

February 15, 2023

Presenting To

Exploratory Analysis Group | ADHS

Liam Hicks | Senior VPD Epidemiologist

Xandy Peterson Pompa | Senior VPD Epidemiologist



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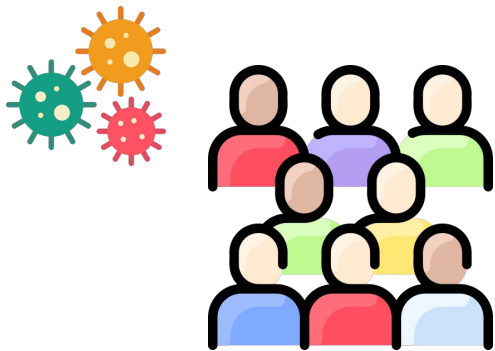
Influenza
surveillance
is like a puzzle.



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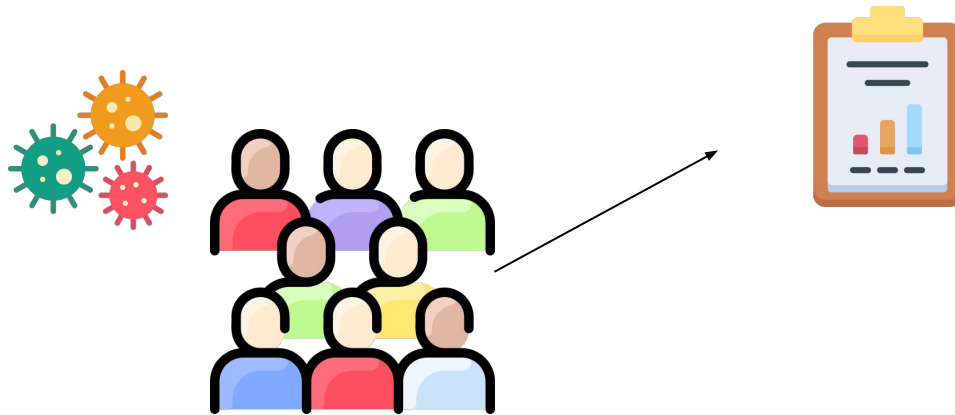
Influenza Surveillance Overview



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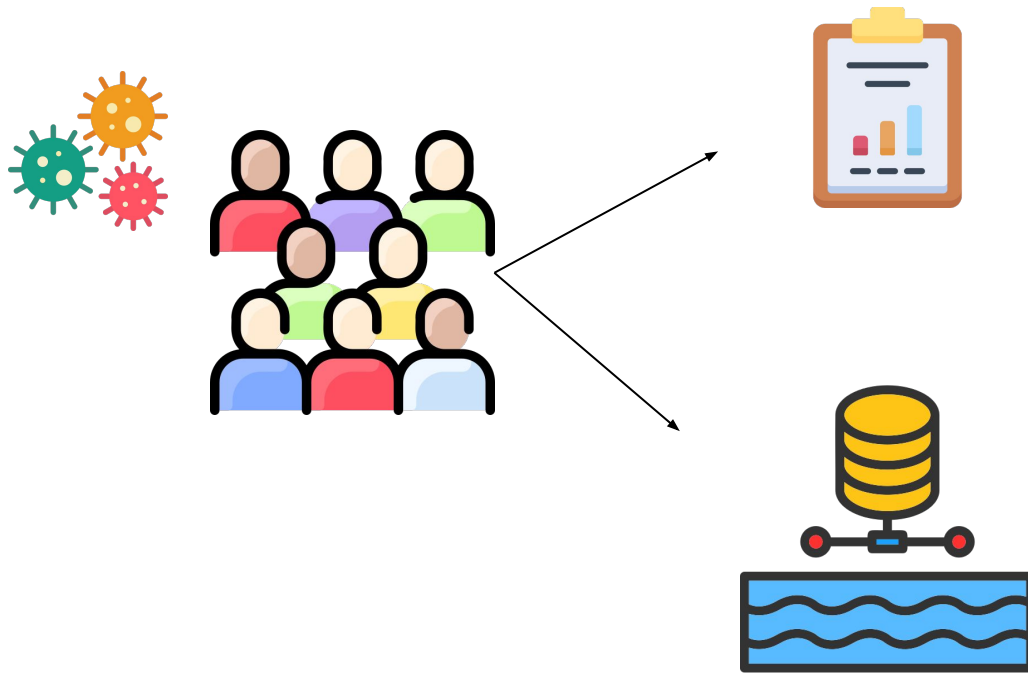
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ILI CCDD v1

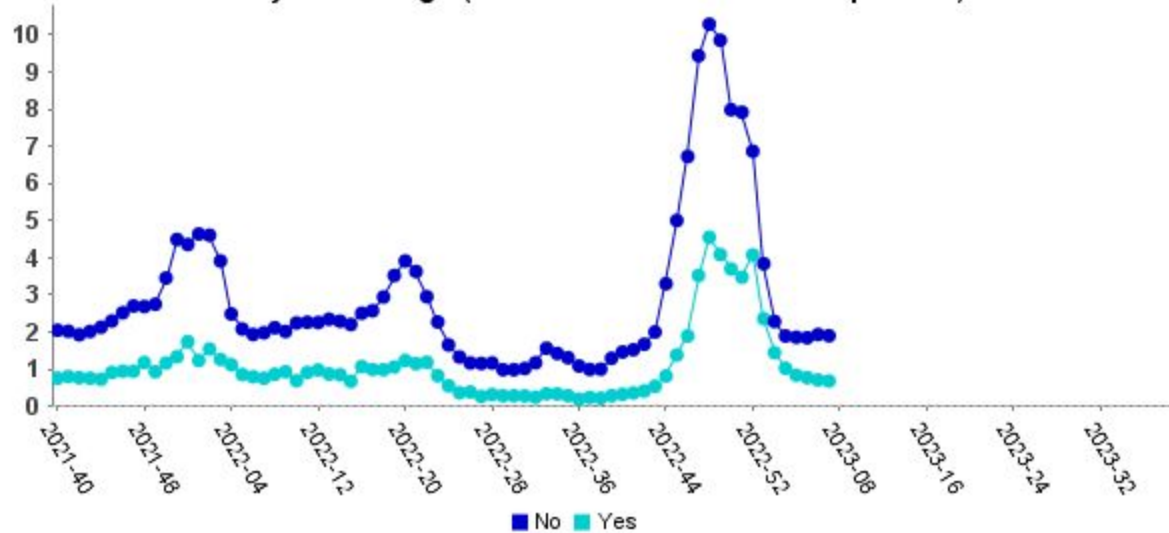
(,^fever^,andnot,^denies fev^,andnot,^shot^,andnot,^afeb^,andnot,^no fev^,andnot,^no temp^,or,^chill^,or,^pyrexia^,or,^ febrile^,or,^high temp^,or,^elevated temp^,andnot,^denies any elevated temp^,andnot,^no elevated temp^,or,^feeling hot^,or,^feels hot^,or,^fvr^,andnot,^denies fvr^,andnot,^no fvr^,),and,(,^cough^,andnot,^denies cough^,or,^sore ^th[o|r][a|o][a|r]t^,or,^soreth[o|r][a|o][a|r]t^,or,^strep^,or,^pharyn^,or,^upper resp^,),or,(,^[;/]J09^,or,^[;/]J10^,or,^[;/]J11^,or,^[;/]487.[018];^,or,^[;/]487[018];^,or,^[;/]487.[018],or,^[;/]487[018],or,^[;/]488.[018][19];^,or,^[;/]488[018][19];^,or,^[;/]488.[018][19],or,^[;/]488[018][19],or,^442696006^,or,^442438000^,or,^6142004^,or,^195878008^,or,^influenza^,andnot,^vaccin^,andnot,^shot^,andnot,^immunizat^,or,^ flu ^,andnot,^shot^,andnot,^stomach^,andnot,^vaccin^,andnot,^immuniza^,or,^flu like^,or,^flulike^,or,^flu symptom^,),andnot,^[;/]A08.4^,andnot,^[;/]A084^



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Weekly Percentage (Stratification : Has Been Inpatient)



Graph Options

Download

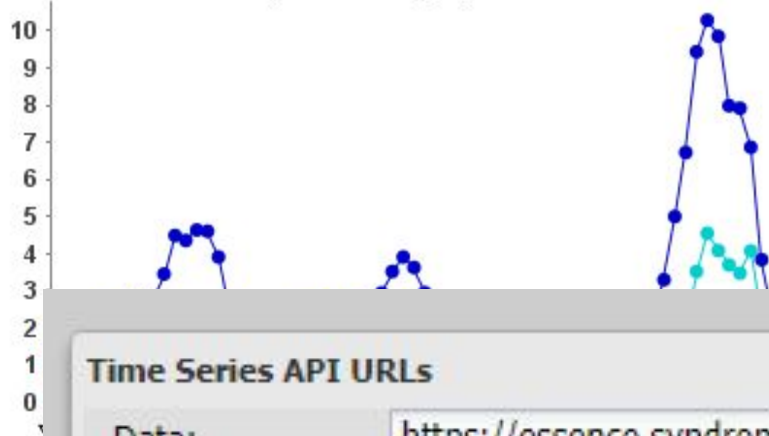
Add Event

*Click anywhere on the graph to [switch to interactive view](#)

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Weekly Percentage (Stratification : Has Been Inpatient)



Time Series API URLs

Data:

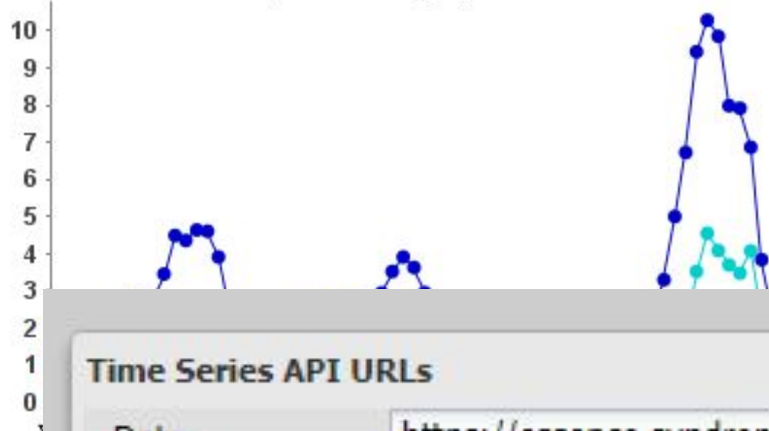
https://essence.syndromicsurveillance.org/nssp_essence/api/timeSeries?endDate=30Sep2023&startMonth=1&graphOnly=true&percentParam=ccddCategory&datasource=va_hosp&startDate=3Oct2021&medicalGroupingSystem=essencesyndromes&userId=1222&site=860&h



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Time Series API URLs

Data:

https://essence.syndromicsurveillance.org/nssp_essence/api/timeSeries?endDate=30Sep2023&startMonth=1&graphOnly=true&percentParam=ccddCategory&datasource=va_hosp&startDate=30Oct2021&medi

AZ_ESSENCE_Data_Pull_2223.R

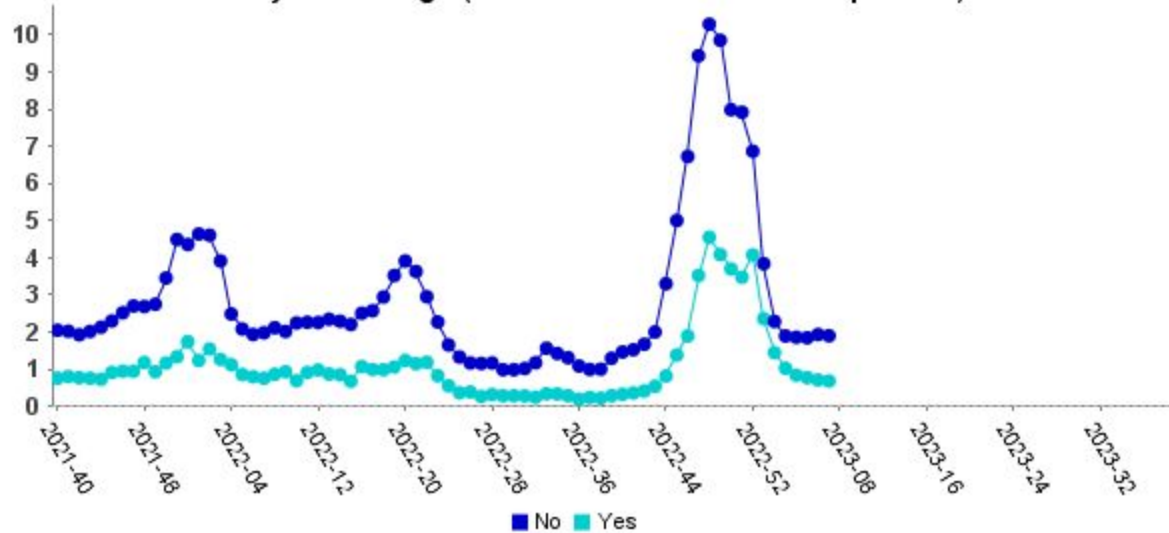
```
1
2 # Title: ESSENCE API Pull Template
3 #
4 # Details: A template for Arizona Syndromic Surveillance users for pulling in ESSENCE data through APIs
5 #
6 # POC: syndromicsurveillance@azdhs.gov
7 #
8 # Written: 9-14-2021 | Last Modified: 9-27-2022
9 #
10 # Resource: https://cdc.gov.github.io/Rnssp/articles/Rnssp\_intro.html
11
12
13 #####
14 #LOAD RNSSP PACKAGE & COMMONLY USED PACKAGES
15 #####
16
17
18 #commonly used packages you might need. devtools is required to install the Rnssp package for the first time
```



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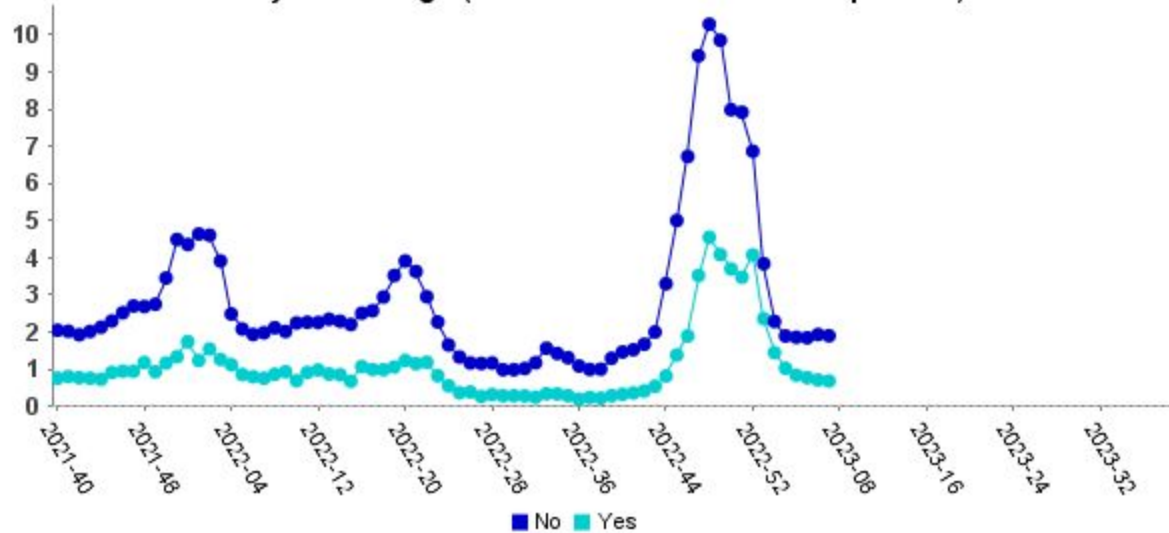
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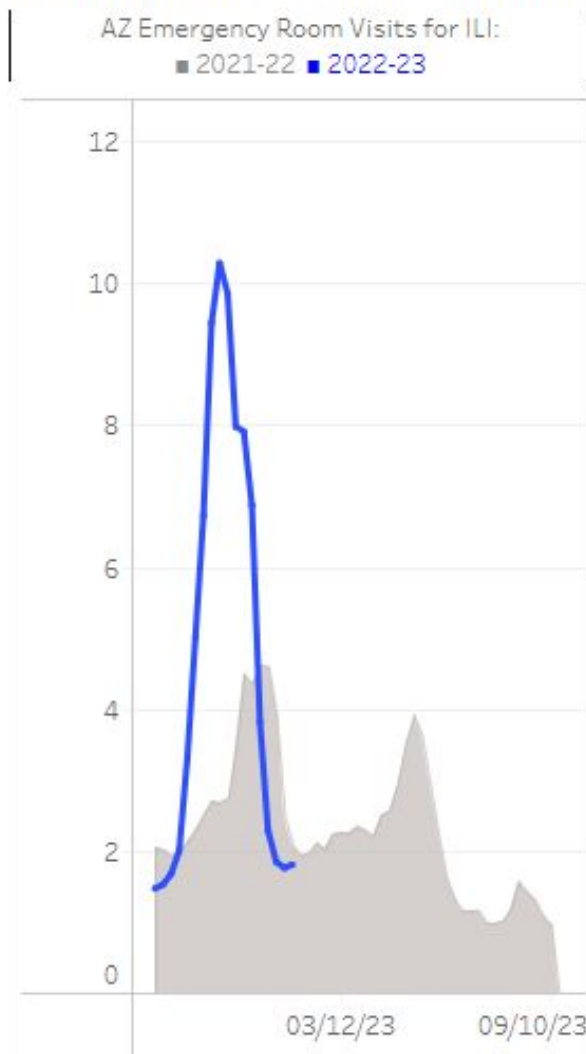
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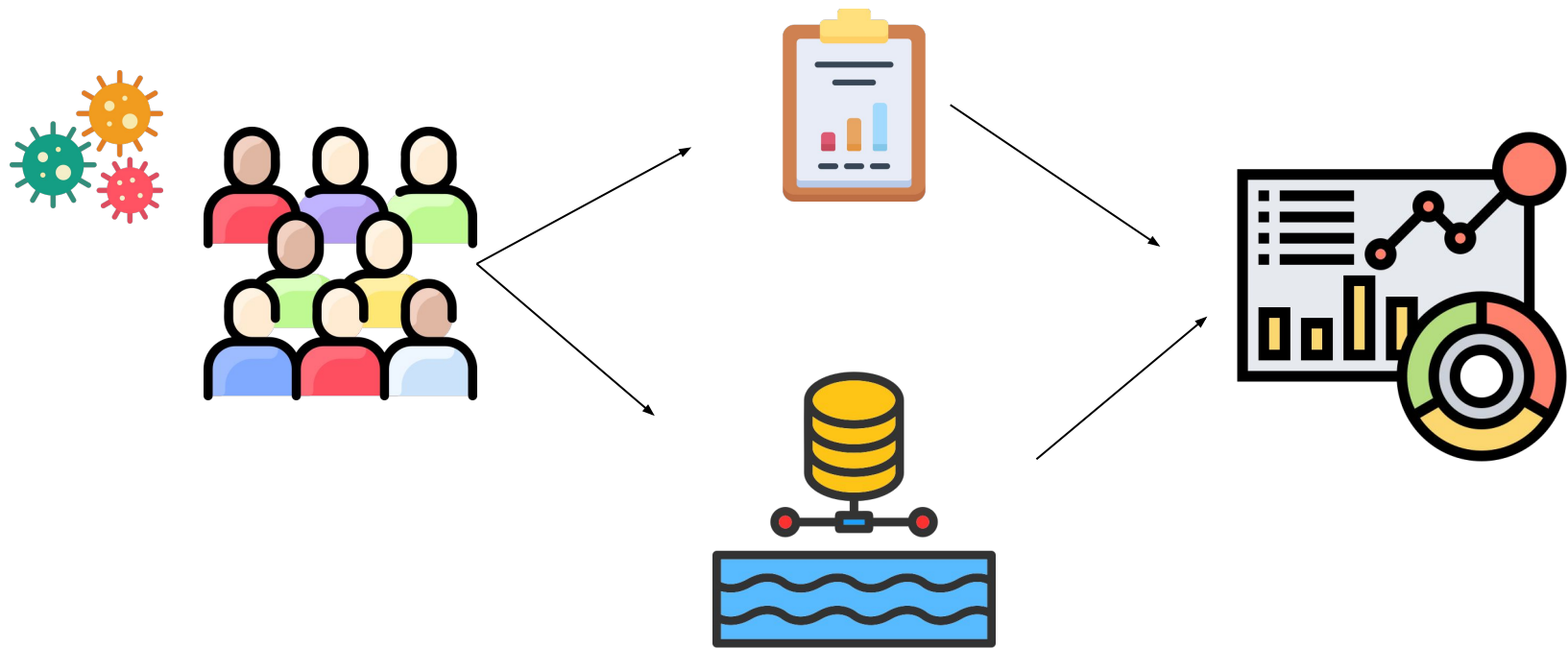
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The Final Products

- [PDF Surveillance Report](#)
- [Interactive Tableau Dashboard](#)



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THANK YOU

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