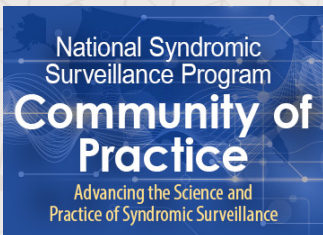


NSSP ESSENCE 101

2:15PM EST | November 17th, 2020 | 2020 SyS Symposium

Trainer: Wayne Loschen, MS – Johns Hopkins University Applied Physics Laboratory (JHUAPL)

Additional Speaker: Aaron Kite-Powell, MS – CDC/NSSP



Council of State and Territorial Epidemiologists



NSSP

National Syndromic
Surveillance Program

BioSense Platform



Vision

A collaboration among public health agencies and partners for timely exchange of syndromic data to improve the nation's situational awareness and responsiveness to hazardous events and disease outbreaks.

NSSP Features:

■ BioSense Platform

- ✓ Data quality and storage
- ✓ Suite of tools (ESSENCE, AMC, RStudio Pro, R Shiny, SAS)
- ✓ Services for data management and analysis

■ Community of Practice

- ✓ Collaboration among CDC, sites, public health partners
- ✓ Funding and capacity building (local and state public health)

NSSP BioSense Platform

Provides public health officials a common cloud-based health information system to:

- Collect, evaluate, share, and store syndromic information
- Improve common awareness of health threats over time and across regional boundaries
- Exchange information faster
- Better coordinate community actions to protect the public's health



Data in Syndromic Surveillance Systems

- Syndromic data include patient encounter data from emergency departments, urgent care, ambulatory care, and inpatient healthcare settings, as well as pharmacy and laboratory data.
- Data can also include contextual data such as environmental data or school absenteeism.
- Though these data are being captured for different purposes, they are monitored in near real-time as potential indicators of an event, a disease, or an outbreak of public health significance.

HOW WE CONDUCT SYNDROMIC SURVEILLANCE



People seek treatment in a medical facility, such as emergency department or urgent care.



Medical facility sends de-identified data including chief complaint, diagnosis codes, patient characteristics, and location to state and local health departments or to data aggregators such as Health Information Exchanges.



CDC provides

- Analytic tools, services, and system infrastructure
- Funding to health departments
- Technical assistance and training
- Data analysis support
- Collaboration on specific projects



DATA

Public health departments and Health Information Exchanges contribute data to the Nssp BioSense Platform.

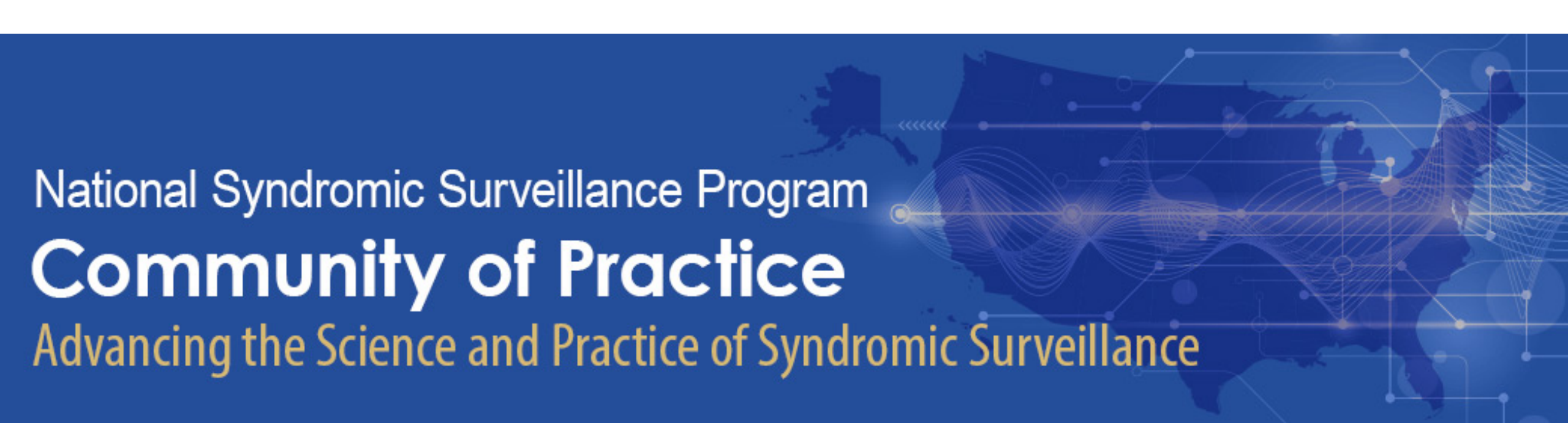


Nssp Community of Practice



- Conduct syndromic surveillance to monitor public health
- Share data via Nssp BioSense Platform
- Share knowledge

- Build skills via webinars, trainings, and workgroup participation
- Collaborate to develop methods and respond to emergencies



National Syndromic Surveillance Program

Community of Practice

Advancing the Science and Practice of Syndromic Surveillance



Council of State and Territorial Epidemiologists

Block Schedule

Training

Methods

Innovation

Data Sharing

1:30-2PM EST	Keynote Address			
	...BREAK...			
2:15 - 3PM EST	Training: NSSP ESSENCE 101	Breakout: Spike, Alert, GO!	Breakout: Data Access and Integration	Breakout: Successful State-led Data Sharing Collaborations
		...BREAK...		
3:15-4PM EST		Lightning: Significant Findings	Roundtable: Bringing New Partners to the Table	Breakout: Can I Do That? Ask a Lawyer.
	...BREAK...			
4:15-5PM EST	Training: Custom Syndrome Definition in NSSP ESSENCE	Breakout: Match Point - Data Matching Across Sources		Roundtable: Establishing a Public Use Shared Data Set
	...BREAK...			
5:15-6PM EST	Virtual Happy Hour			