

NSSP Community of Practice (CoP) Updates

2020 Syndromic Surveillance Symposium

National Syndromic Surveillance Program

Community of Practice

Resources that Advance the Science and Practice of Syndromic Surveillance



Primary Presenters



NSSP CoP Technical Monitor

Deborah Gould
CDC/NSSP



NSSP CoP Staff Lead

Hayleigh McCall
CSTE



NSSP CoP Core Committee Chair

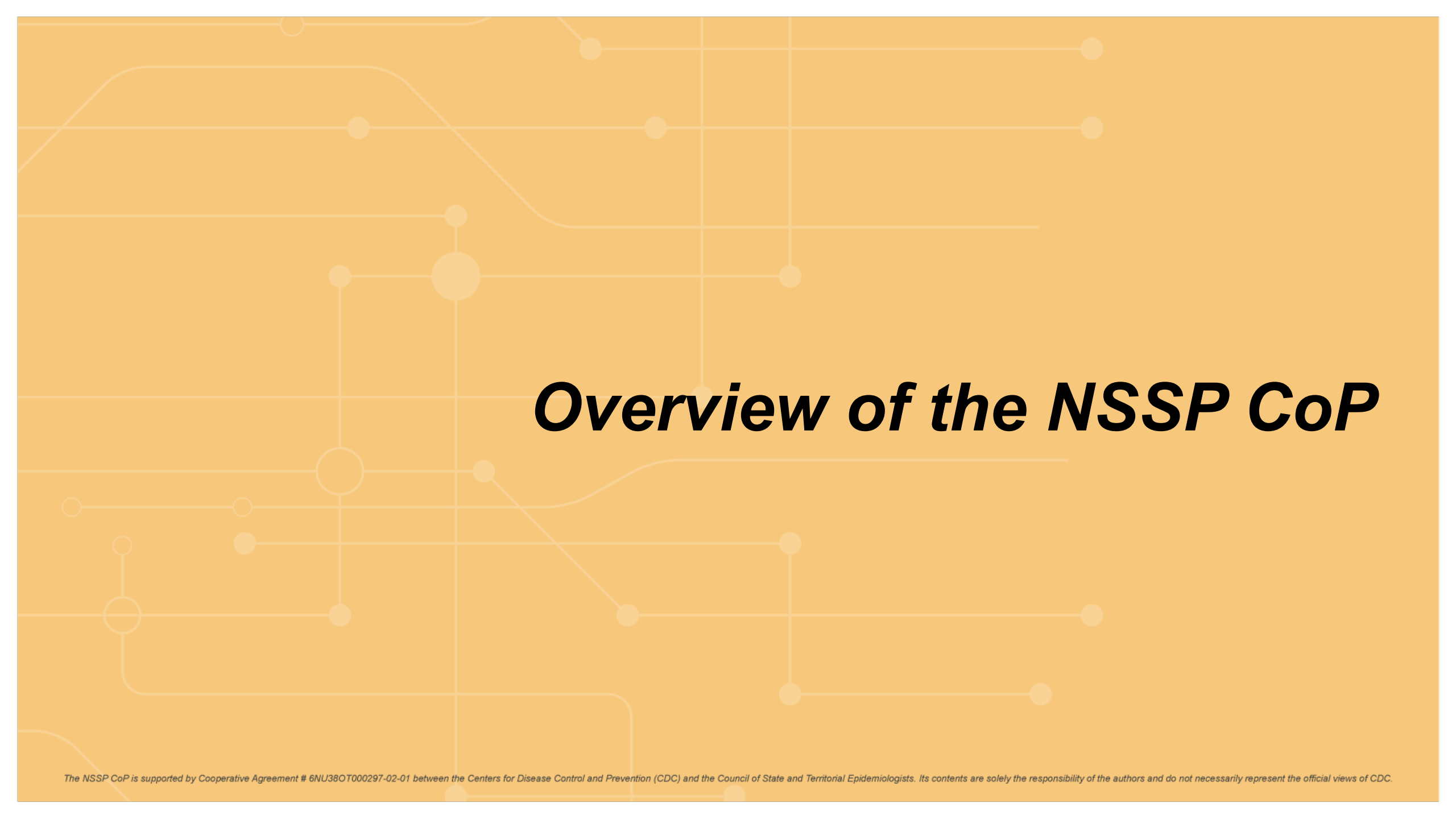
Krystal Collier
AZ



NSSP CoP Core Committee Deputy Chair

Yushuan Chen
Tri-County, CO



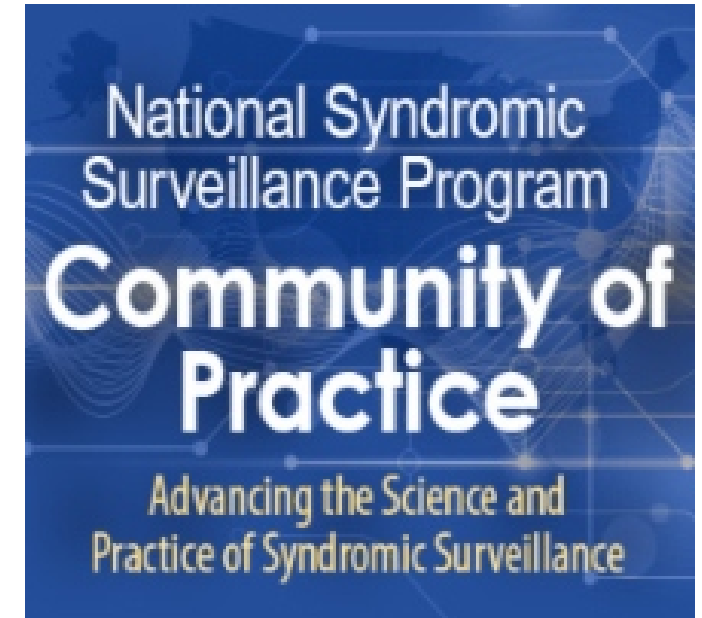
The background of the slide is a solid orange color. Overlaid on this background is a complex, abstract network diagram. It consists of numerous small, light-orange circular nodes connected by thin, light-orange lines. Some nodes are larger than others, and the lines form a web-like structure that spans the entire width and height of the slide. The overall aesthetic is clean and modern, with a focus on connectivity and structure.

Overview of the NSSP CoP

NSSP CoP Background

The NSSP Community of Practice (CoP) was formally established in 2016 through a 3-year cooperative agreement between CDC and the International Society for Disease Surveillance (ISDS).

In 2019, CDC/DHIS awarded a new cooperative agreement to the Council of State and Territorial Epidemiologists (CSTE) to assume the management and facilitation of the NSSP CoP.



Setting the Stage – Collaborative Partnership

The NSSP CoP is designed to be member-drive, where the needs and requests of members are integral to its continued development.

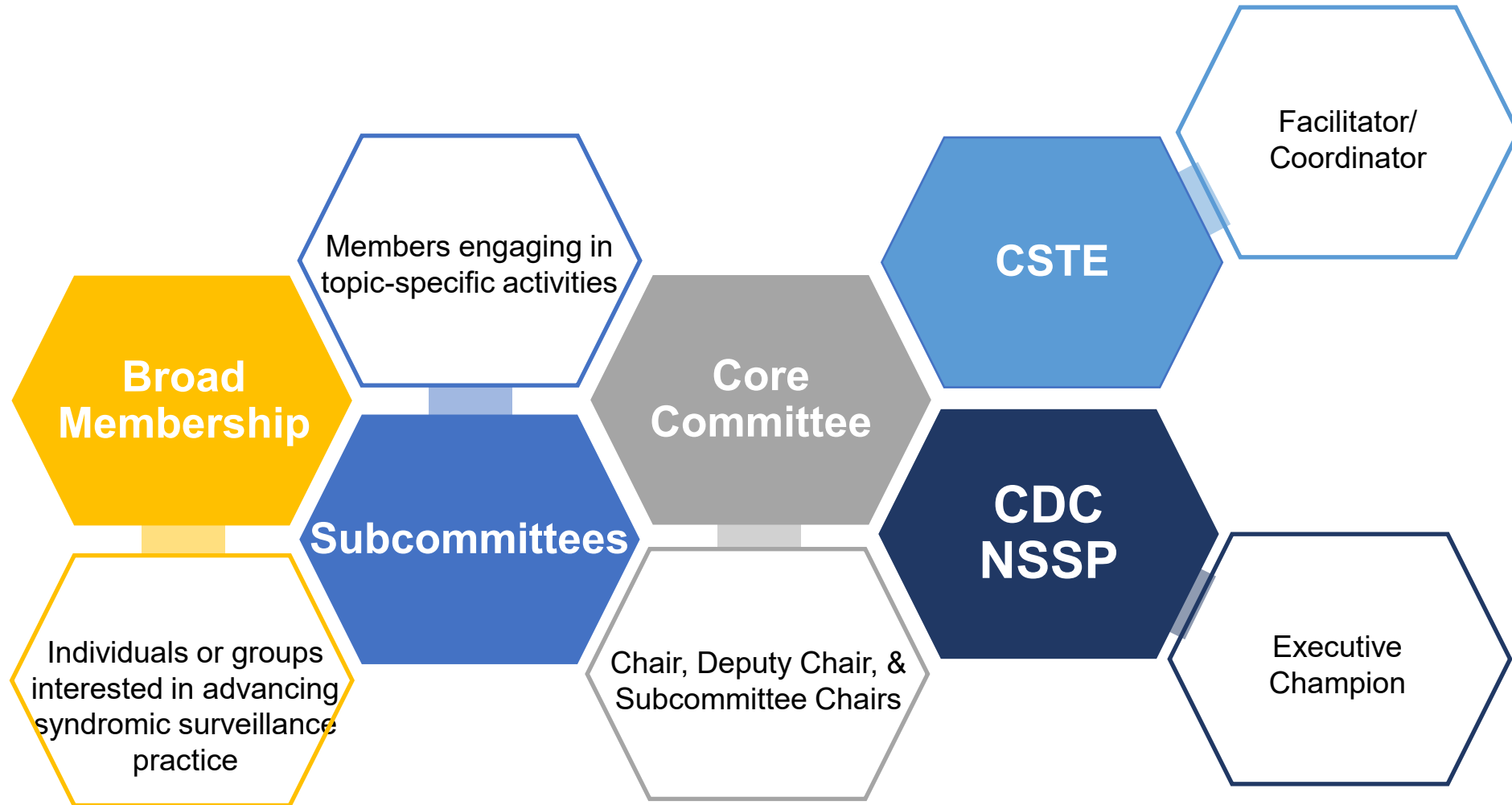
The NSSP CoP structure sets a foundation for strategic action and ensures alignment of community activities with the NSSP CoP's mission and goals.

The community roles within the NSSP CoP include:

- Executive Champion, CDC NSSP
- Facilitator/Coordinator, CSTE
- Core Committee
- Subcommittees/Workgroups/User Groups
- Membership



Setting the Stage – Collaborative Partnership

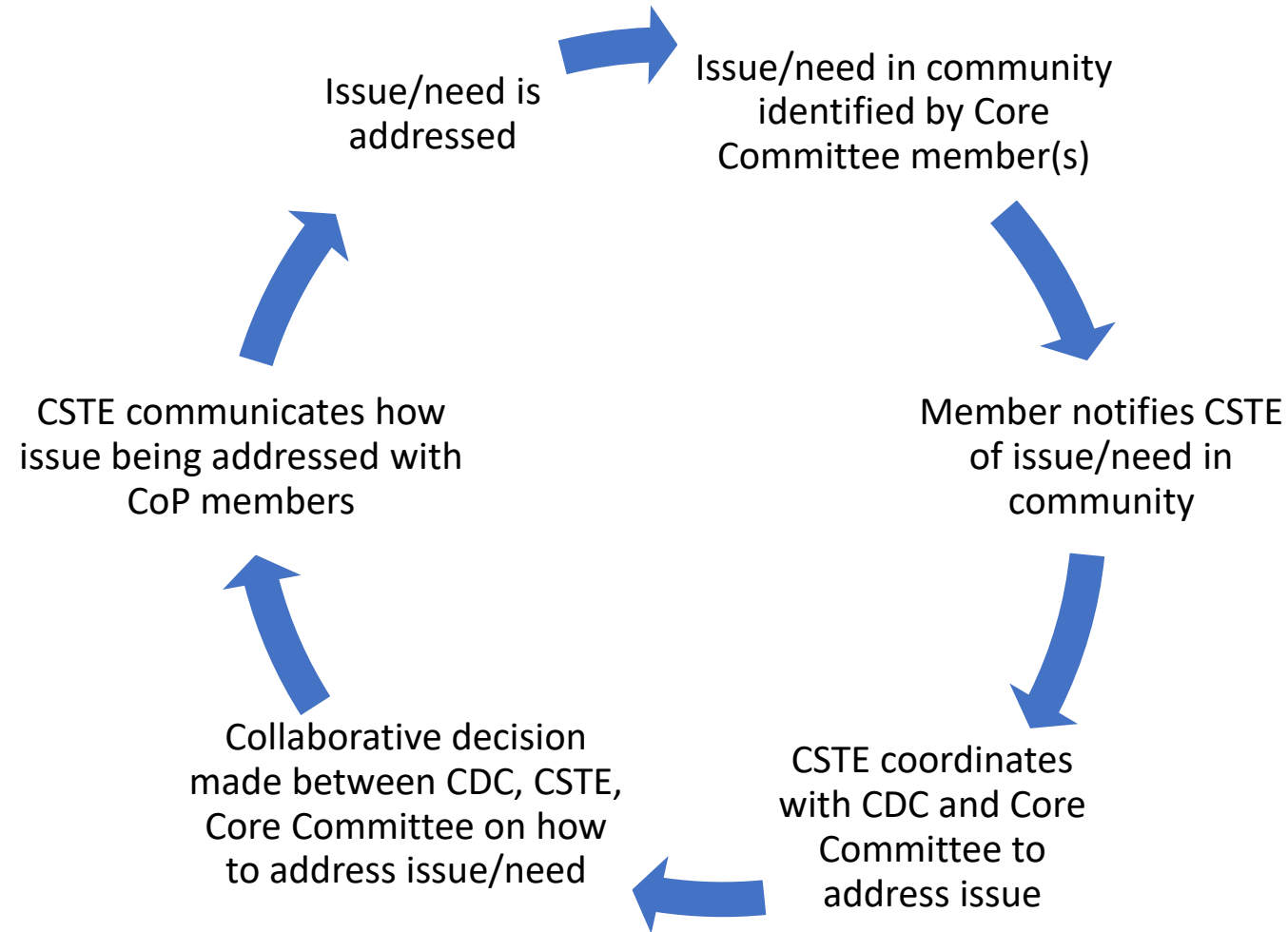


Setting the Stage – Collaborative Partnership

CDC NSSP <i>(Executive Champion)</i>	CSTE <i>(Facilitator/Coordinator)</i>	Core Committee <i>(Member Leadership)</i>
• Champions community/ encourages activity participation • Allocates funding for CoP coordination & support • Assures mission & goals align with own strategic framework • Ensures CoP procedures & processes are consistent with federal rules/regulations • Provides technical & SME to CSTE & Core Committee • Monitors CoAg performance/success	• Champions community/ encourages activity participation • Establishes & provides admin oversight of Core Committee • Manages CoP daily activities • Interfaces with CDC • Evaluates CoP performance/success • Reports on CoAg workplan activity progress • Identifies programmatic activities & community needs to best facilitate CoP • Maintains awareness of collab opportunities	• Champions community/ encourages activity participation • Provides expertise • Interfaces with community • Identifies topics for CoP discussions & initiatives • Identifies potential stakeholders/community members • Promotes peer-to-peer mentoring • Acts as sounding board for CDC & CSTE ideas • Solicits community input & addresses community issues/questions/concerns • Provides feedback to CSTE & CDC



Setting the Stage – Collaborative Partnership



Setting the Stage – Partnership

We each play our own role, but no single entity can move the CoP forward on its own – it takes a partnership!



The NSSP CoP is supported by Cooperative Agreement # 6NU38OT000297-02-01 between the Centers for Disease Control and Prevention (CDC) and the Council of State and Territorial Epidemiologists. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of CDC.

NSSP Community of Practice

NSSP CoP Core Committee

Krystal Collier (AZ) – Core Committee Chair

Yushiuan Chen (Tri-County, CO) – Core Committee Deputy Chair, Knowledge Repository Subcommittee Co-Chair

MisChele Vickers (AL) – Data Quality Subcommittee Co-Chair

Diksha Ramnani (WI) – Data Quality Subcommittee Co-Chair

Teresa Hamby (NJ) – Knowledge Repository Curation Subcommittee Co-Chair

Bill Smith (Maricopa Co., AZ) – Syndromic Surveillance and Public Health Emergency Preparedness, Response, and Recovery Co-Chair

Fatema Mamou (MI) – Syndromic Surveillance and Public Health Emergency Preparedness, Response, and Recovery Co-Chair

Rasneet Kumar (Tarrant Co., TX) – Syndrome Definition Subcommittee Co-Chair

Rosa Ergas (MA) – Syndrome Definition Subcommittee Co-Chair

Natasha Close (WA) – Technical Subcommittee Co-Chair

Caleb Wiedeman (TN) – Technical Subcommittee Co-Chair



Strategic Direction for 2020-2022

NSSP CoP Core Committee 2020-2022 Virtual Planning Meeting

In August 2020, the NSSP CoP Core Committee hosted its first virtual planning meeting

During their time together, they...

1. Revised the 2020-2022 NSSP CoP goals
2. Reviewed the CDC/CSTE Cooperative Agreement activities
3. Developed a master “road map” to provide the CoP strategic direction
4. Prioritized activities for the CoP to execute in the upcoming two years



NSSP CoP Vision + Mission

Vision

An inclusive and connected community of public health practitioners working together to advance syndromic surveillance practice.

Mission

To advance syndromic surveillance practice by leveraging the expertise and resources of its members to strengthen public health surveillance capabilities nationwide.



2020-2022 NSSP CoP Goals

TOOLS

“Build syndromic surveillance expertise and capacity”

PROMOTING

“Promote the utility and application of syndromic surveillance”

DATA SHARING

“Collaborate and share data”

INTEGRATING

“Integrate syndromic surveillance into everyday public health surveillance”



NSSP COMMUNITY OF PRACTICE MASTER ROAD MAP WITH PRIORITIZED ACTIVITIES

PRIORITY LEVEL



– GOAL –

Build syndromic surveillance expertise and capacity

Training resources (HL7, SyS, ESSENCE)

Mentorship program

Regional training series

2020 + 2021 SyS Symposium

– GOAL –

Integrate syndromic into everyday public health practice

SyS toolkit

Customizable report templates

Communicate with CSTE Subcommittees to promote SvS

Identify new partners and data sources

Identify barriers for integrating SyS into daily public health

– GOAL –

Promote the utility and application of syndromic surveillance

Talking points for SyS

Success stories

2021 CSTE Annual Conference

Collaborate with public health organizations

Promote SyS in MPH programs

– GOAL –

Collaborate and share data

Data Sharing Workgroup

COVID data sharing hot wash/lessons learned

Develop overarching legal framework/guidance for data sharing between states

Data Sharing Series project follow-up

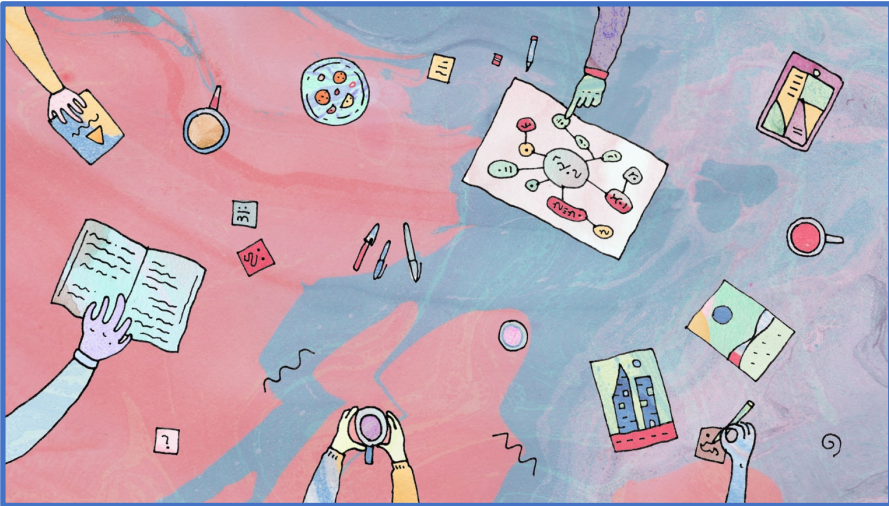
Collaboration projects

– CROSS CUTTING ACTIVITIES –

Knowledge Repository, best practices, call support, 2020 + 2021 Core Committee Planning Meeting, Charter, 2020 + 2021 Assessment, website

NSSP CoP CSTE Work Plan

Current Funding Period: August 1, 2020 – July 31, 2021



All activities included in the work plan are intended to support CoP activities and community needs

Activities are intended to be integrated into CoP activities, conversations, and discussions



NSSP CoP CSTE Work Plan

Workforce Development & Leadership

- Assessment/ Report
- Online Knowledge Sharing Events
- Training Series

NSSP CoP Facilitation

- Online Platforms
- Call Support
- Mentorship Program

Partnerships

- Core Committee
- Charter
- Collaboration Projects
- Core Committee Meeting
- Symposium
- Travel Support

Best Practices

- Success Stories
- Best Practices
- Knowledge Repository



Putting the Road Map into Action

The Core Committee will:

- **Collaborate** with members of the CoP to **build** group activities that **integrate** the 4 NSSP CoP goals

The CoP, Subcommittees, Workgroups, and User Groups will:

- **Produce** tools and resources to address training needs that are accessible through the Knowledge Repository
- **Promote** opportunities to share data that enhance public health surveillance capacity



Measuring Progress



The Core Committee meets monthly – during these meetings, the road map will be revisited, and progress will be reviewed

Deliverables that are linked to CDC/CSTE's Cooperative Agreement will be monitored by CSTE Staff and CDC Technical Monitor





Subcommittee, Workgroup, and User Group Updates

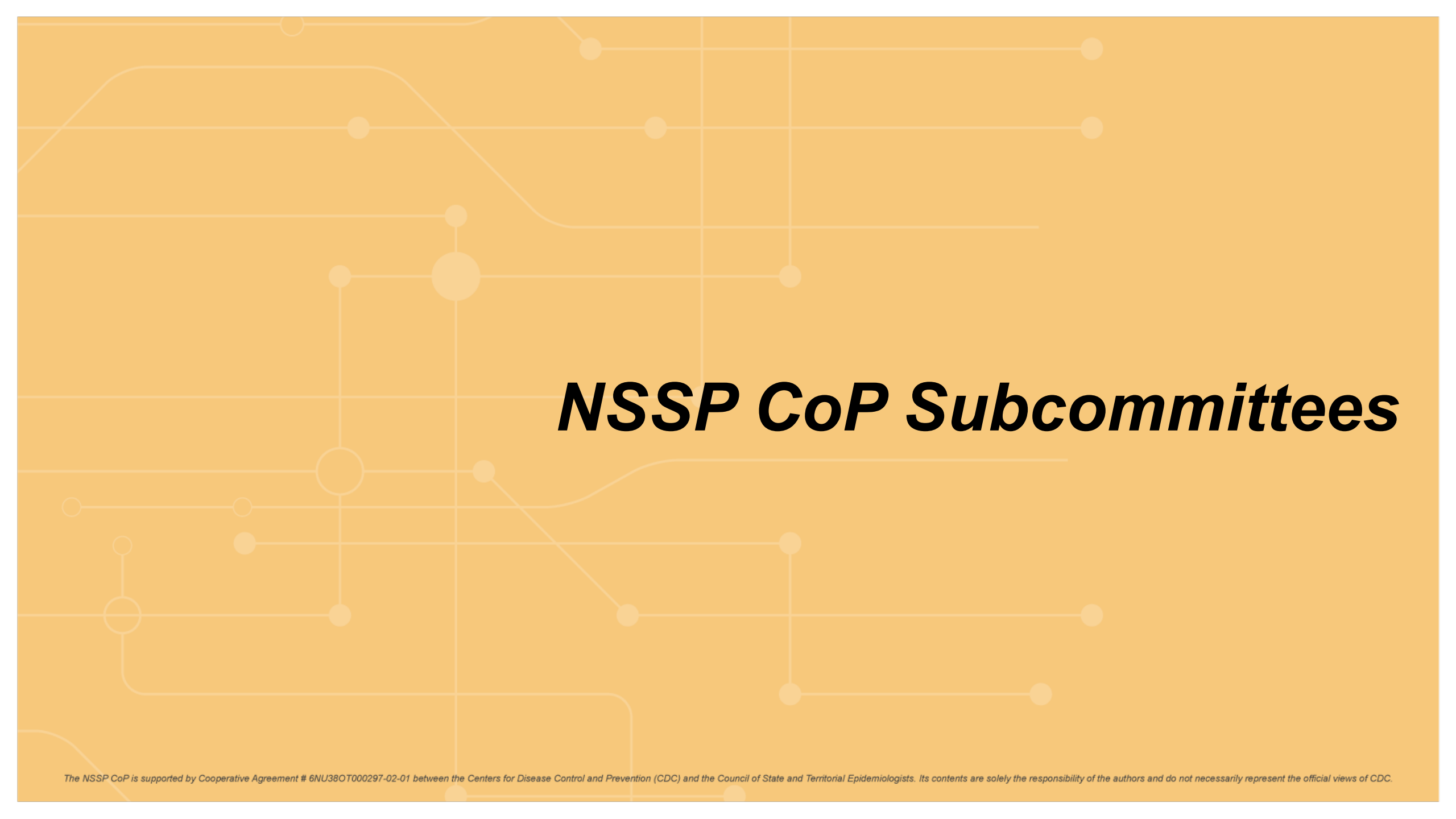
NSSP CoP-related Groups

5 NSSP CoP Subcommittees

2 NSSP User Groups

3 NSSP CoP Workgroups





NSSP CoP Subcommittees

Syndrome Definition Subcommittee (SD)

2020 Accomplishments

- Met COVID syndrome definition-related needs through multiple calls
- Discussed emerging syndromes – cold-related illness (CRI), suicide-related outcomes, motor vehicle collision outcomes
- Developed, evaluated, and published 'Disaster Mental Health Syndrome v1' to both NSSP ESSENCE + KR
- Collaborated with CSTE on the development of a guide that deep dives into syndrome definition development, implementation, and evaluation
- Currently in the initial stages of developing a working on developing mental health syndrome



Leadership

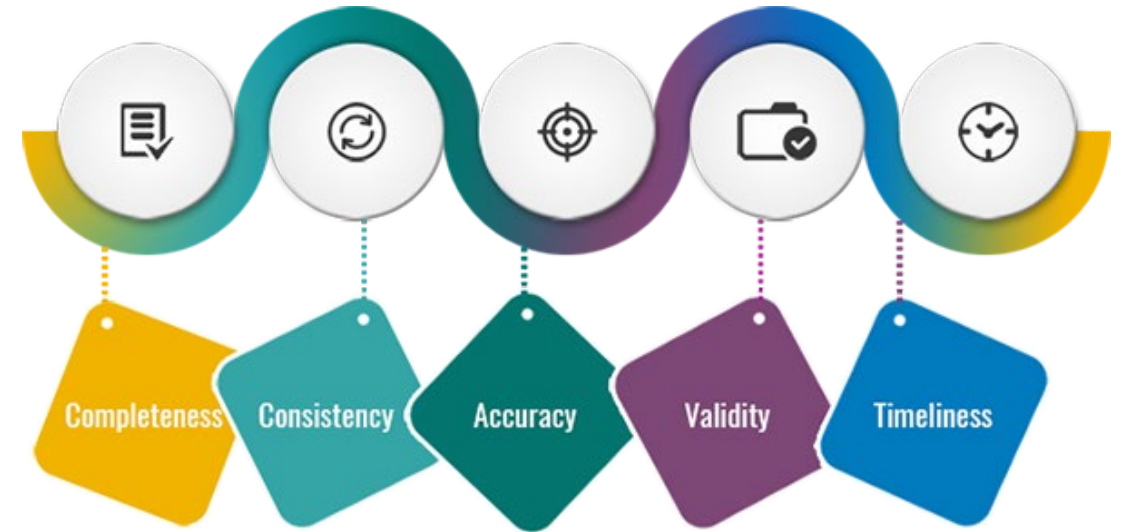
Co-Chairs: Rosa Ergas (MA) +
Rasneet Kumar (Tarrant Co., TX)

CSTE Staff: Alyaa Altabbaa

Data Quality Subcommittee (DQ)

2020 Accomplishments

- Met COVID data quality-related needs through multiple calls
- Discussed emerging data quality topics including documentation requests for ONC Real World Testing of 2015 CEHRT products
- Collaborated with CSTE to develop the “Improving the Quality of Completeness and Electronic Health Record Data Used in Syndromic Surveillance” report



Leadership

Co-Chairs: MisChele Vickers (AL) + Diksha Ramnani (WI)
CSTE Staff: Alyaa Altabbaa

Syndromic Surveillance and Public Health Emergency Preparedness, Response, and Recovery Subcommittee (SPHERR)

Leadership

Co-Chairs: Bill Smith (Maricopa Co., AZ) + Fatema Mamou (MI)

CSTE Staff: Alyaa Altabbaa



2020 Accomplishments

- Hosted a syndromic surveillance-related EVALI Hot Wash
- Discussed multiple COVID topics, including denominator changes and the interaction between ILI and CLI during flu season
- Reviewed relevant preparedness/response activities such as wildfire and protest demonstration surveillance
- Continued to develop the “Integrating SyS and Preparedness Guidance Document”



Technical Subcommittee (Tech)



Leadership

Co-Chairs: Natasha Close
(WA) + Caleb Wiedeman (TN)

CSTE Staff: Alyaa Altabbaa

2020 Accomplishments

- Continues to facilitate and improve bi-directional communication between CDC NSSP and the syndromic surveillance community to ensure that data management, analysis, visualization, and reporting needs are met
- Assisted in support of death record data piloting in ESSENCE
- Convened a workgroup to discuss requirements for a new, stand-alone ESSENCE Data Details Dictionary



Knowledge Repository Curation Subcommittee (KR Curation)

2020 Accomplishments

- Re-established as the KR Curation Subcommittee to review and curates the NSSP CoP Knowledge Repository
- Began discussions on developing processes for content submission, reviewal, approval, and archiving

Leadership

Co-Chairs: Teresa Hamby (NJ) + Yushiuan Chen (Tri-County, CO)
CSTE Staff: Hayleigh McCall

National Syndromic Surveillance Program • Community of Practice
KNOWLEDGE REPOSITORY



The background of the slide is a solid orange color. Overlaid on this background is a complex, abstract network diagram. It consists of numerous small, light-orange circular nodes connected by thin, light-orange lines. Some nodes are larger than others, and the lines form a web-like structure that spans the entire width of the slide. The overall aesthetic is clean and modern, suggesting a digital or networked environment.

NSSP User Groups

NSSP ESSENCE and R User Groups

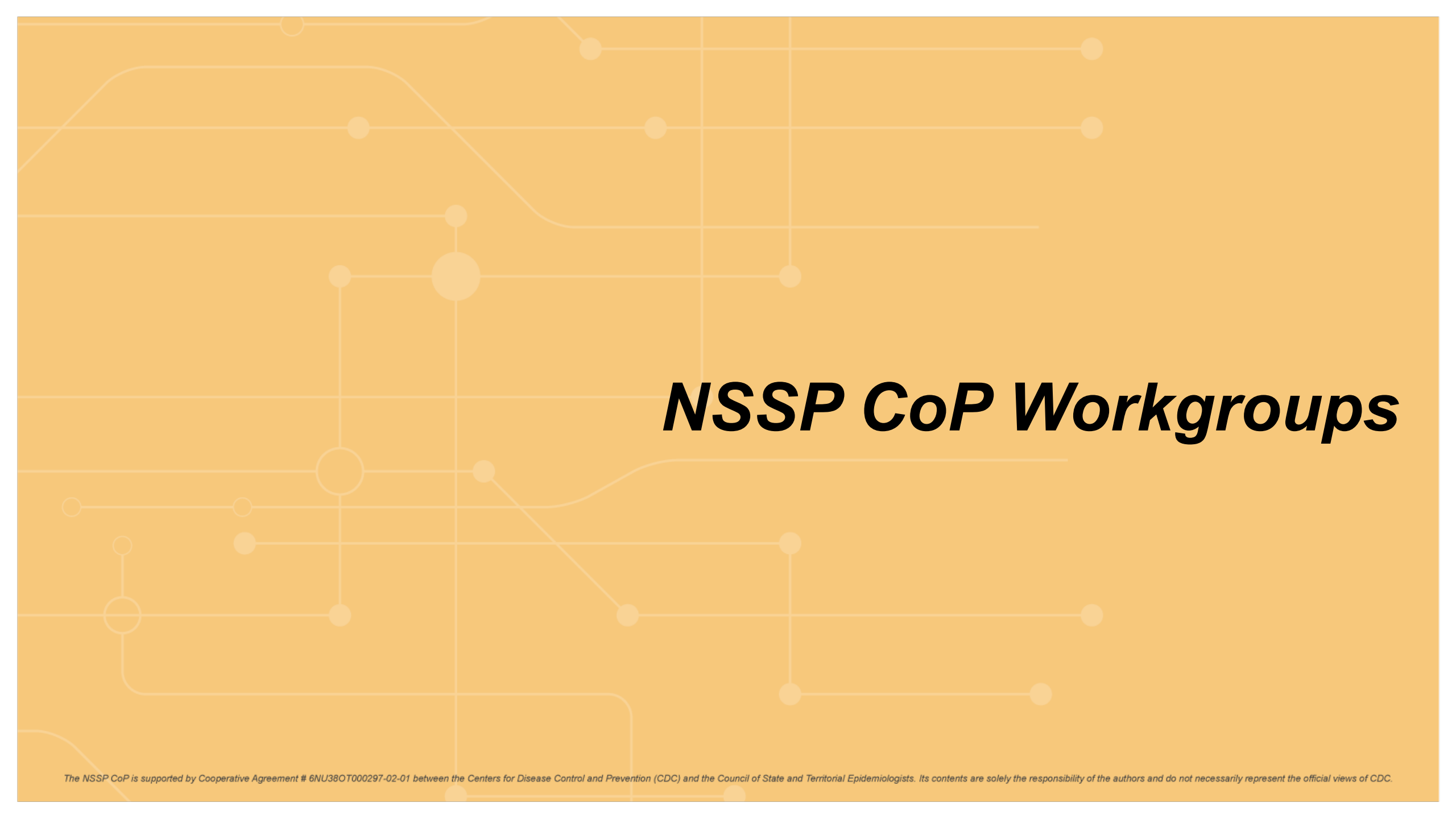
NEW Convened in Fall 2020

Purpose – provide application updates and answer community questions on application-specific functions and features

Leadership

- NSSP ESSENCE Co-Leads: Wayne Loschen (JHU) + Aaron Kite-Powell (CDC)
- NSSP R Co-Leads: Sara Chronister (Maricopa Co., AZ) + Aaron Kite-Powell (CDC)
- CSTE Staff: Alyaa Altabbaa



The background of the slide is a solid orange color. Overlaid on this background is a complex, abstract network diagram. It consists of numerous small, light-orange circular nodes connected by thin, light-orange lines. Some nodes are larger than others, and the lines form a web-like structure that spans the entire width and height of the slide. The overall aesthetic is clean and modern, suggesting a focus on interconnectedness and data.

NSSP CoP Workgroups

Training Workgroup

NEW Convened in Fall 2020

Purpose

- Review existing syndromic surveillance education and training resources
- Identify gaps in syndromic surveillance training
- Make recommendations regarding the types of training needed to fill identified gaps



Leadership

Co-Leads: Deborah Gould (CDC)
& Hayleigh McCall (CSTE) –
**seeking STLT lead to
collaborate with CDC and
CSTE!**

Data Sharing Workgroup

NEW Convened in Fall 2020

Purpose –

- Establish protocol for evaluating NSSP data requests
- Evaluate individual data requests
- Develop resources to assist in SyS data sharing
- Share lessons learned & best practices
- Advance community discussions regarding CDC-managed public use datasets



Leadership

Co-Leads: Zach Faigen (NC)
+ Loren Rodgers (CDC)
CSTE Staff: Hayleigh McCall

Race and Ethnicity Data Quality Improvement Workgroup

NEW Convened in Fall 2020

Purpose – provide space for discussion and technical support to improve data quality (completeness + correctness) for race and ethnicity data fields

Leadership

Co-Leads: Sujata Joshi (NPAIHB) + Amanda Dylina Morse (WA)

CSTE Staff: Alyaa Altabbaa





How to Get Involved

Join the NSSP Community of Practice

Stay connected to NSSP and other syndromic surveillance practitioners by joining the NSSP Community of Practice!

Membership includes:

- Monthly webinars featuring syndromic surveillance experts from across the nation
- Access to more than 2,000 surveillance resources and knowledge-sharing tools through the NSSP CoP Knowledge Repository
- Opportunities to join topic-specific subcommittees, workgroups, and user groups
- Numerous activities for networking and professional growth
- Access to syndromic surveillance experts for technical assistance and problem solving

NSSP CoP membership is voluntary and free of charge – it does NOT require CSTE membership.

Email syndromic@cste.org to join!



Connect with the Core Committee!

NSSP Cop Chair	Krystal Collier	krystal.collier@azdhs.gov
NSSP CoP Deputy Chair & KR Curation Co-Chair	Yushiuan Chen	ychen@tchd.org
Syndrome Definition Subcommittee Co-Chair	Rosa Ergas	rosa.ergas@mass.gov
Syndrome Definition Subcommittee Co-Chair	Rasneet Kumar	RSKumar@tarrantcounty.com
Data Quality Subcommittee Co-Chair	MisChele Vickers	MisChele.Vickers@adph.state.al.us
Data Quality Subcommittee Co-Chair	Diksha Ramnani	Diksha.Ramnani@dhs.wisconsin.gov
SPHERR Subcommittee Co-Chair	Fatema Mamou	MamouF@michigan.gov
SPHERR Subcommittee Co-Chair	Bill Smith	William.Smith@maricopa.gov
Technical Subcommittee Co-Chair	Natasha Close	Natasha.Close@DOH.WA.GOV
Technical Subcommittee Co-Chair	Caleb Wiedeman	Caleb.Wiedeman@tn.gov
Knowledge Repository Curation Co-Chair	Teresa Hamby	teresa.hamby@doh.nj.gov



Q&A and Open Forum

A stylized map of the Americas is shown in the upper left corner. Overlaid on the map and extending across the slide are white network lines, dots, and circles of varying sizes, suggesting a digital or surveillance theme.

National Syndromic Surveillance Program Community of Practice

Resources that Advance the Science and Practice of Syndromic Surveillance

www.cste.org/nsspcof

Syndromic@cste.org

Hayleigh McCall, MPH

Alyaa Altabbaa, MPH