



CSTE NSSP Regional Data Sharing Workshop

Design Call #2 | South and East Regional (Atlanta, GA)

Design Call #2 | South + East Regional Workshop

Agenda

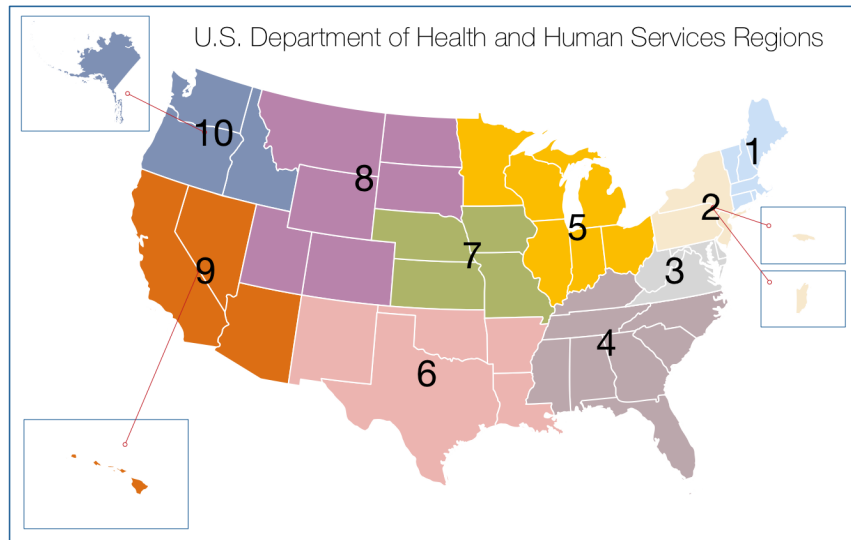
Start 2:00

- Attendance and agenda
- Workshop model
- Proposed activity
- Discussion and selection

2:40

- Data sharing in BioSense Platform
- Next steps/preparation
- Announcements

Purpose and objectives



Purpose

- The purpose of your data sharing workshop is to strengthen public health agency capacity for syndromic surveillance (SyS) and enhance situational awareness using real-time electronic health data from emergency department (ED) settings through interjurisdictional data sharing and surveillance practice collaborations.

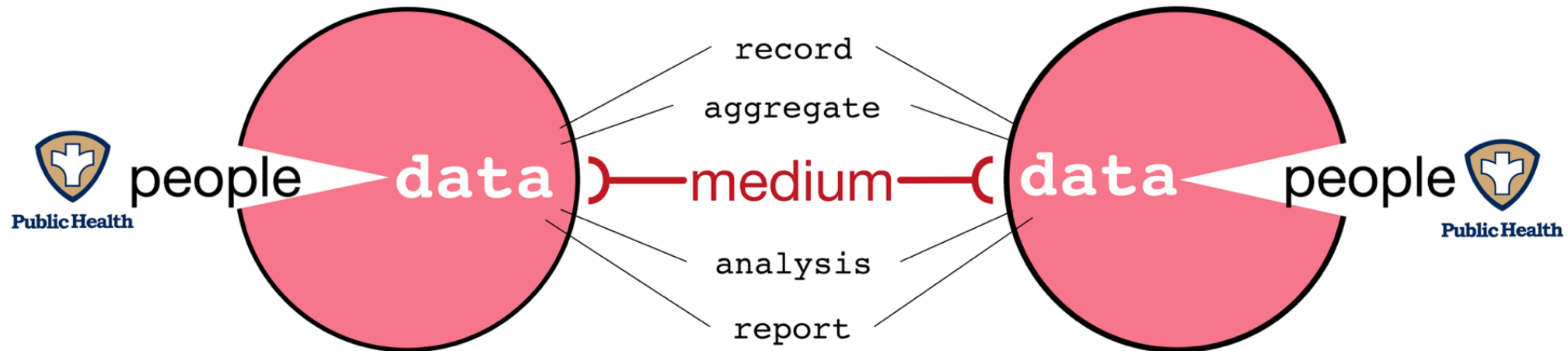
Objectives

- *By the end of the workshop, participants will have...*
 1. Enhanced syndromic surveillance skills to better support agency activities for opioid crisis response
 2. Examined and shared best practices in SyS analytic methods and NSSP tool use
 3. Developed action steps for establishing or strengthening interjurisdictional data sharing
 4. Fostered collaborations among the peer network of surveillance professionals

“Data Sharing”

The benefits of sharing syndromic surveillance data include: Strengthening health security, building public health surveillance capacity, and informing new and more effective public health interventions. For this workshop, we shall define data sharing as providing another governmental authority with access and permission to utilize either line/record or aggregate-level emergency department visit data for public health purposes.

experience insight solutions



Authorized people share public health data through a medium (e.g., BioSense Platform). Those data may be shared at different levels of granularity ranging from a patient record (most granular) to a report (least granular). This sharing is most beneficial and useful when the parties routinely exchange epidemiological experiences, insights and solutions.

Workshop Model

Pre-workshop Inputs	Workshop Activities	Outputs (products)	Outcomes
☐ Jurisdictional SyS data assessment ☐ One or more SyS epidemiological practices to improve; e.g., opioid overdose or injury surveillance ☐ Preparation work; e.g., exchange classifiers, apply data to new visualizations, etc.	☐ Use and share real SyS ED visit data to collaboratively investigate and improve a mutually important SyS practice(s)	☐ Documented best or promising practices for using SyS for the epidemiological practice ☐ Lists of ways to improve analytic methods	• Increase SyS analytic skills • Increase skill with NSSP tools
✓ Participant expertise and interests	☐ Identify the current inclinations and hesitations their agencies have to greater SyS data use and sharing, and brainstorm solutions to high priority barriers ☐ Plan immediate actions or next steps to help one another advance SyS data sharing in their region	☐ List of benefits and prioritized barriers to SyS data sharing and use ☐ List solutions to high priority barriers ☐ List of action items in S.M.A.R.T format	• Enhance public health surveillance practice • Enhanced collaboration among the peer network of regional surveillance professionals

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Day 1			
✓ Participant expertise and interests	❑ Identify the current inclinations and hesitations their agencies have to greater SyS data use and sharing, and brainstorm solutions to high priority barriers ❑ Plan immediate actions or next steps to help one another advance SyS data sharing in their region	❑ List of benefits and prioritized barriers to SyS data sharing and use ❑ List solutions to high priority barriers ❑ List of action items in S.M.A.R.T format	• Enhance public health surveillance practice • Enhanced collaboration among the peer network of regional surveillance professionals
Day 2			

Proposed activity, discussion and decision

Day 1 data sharing activity

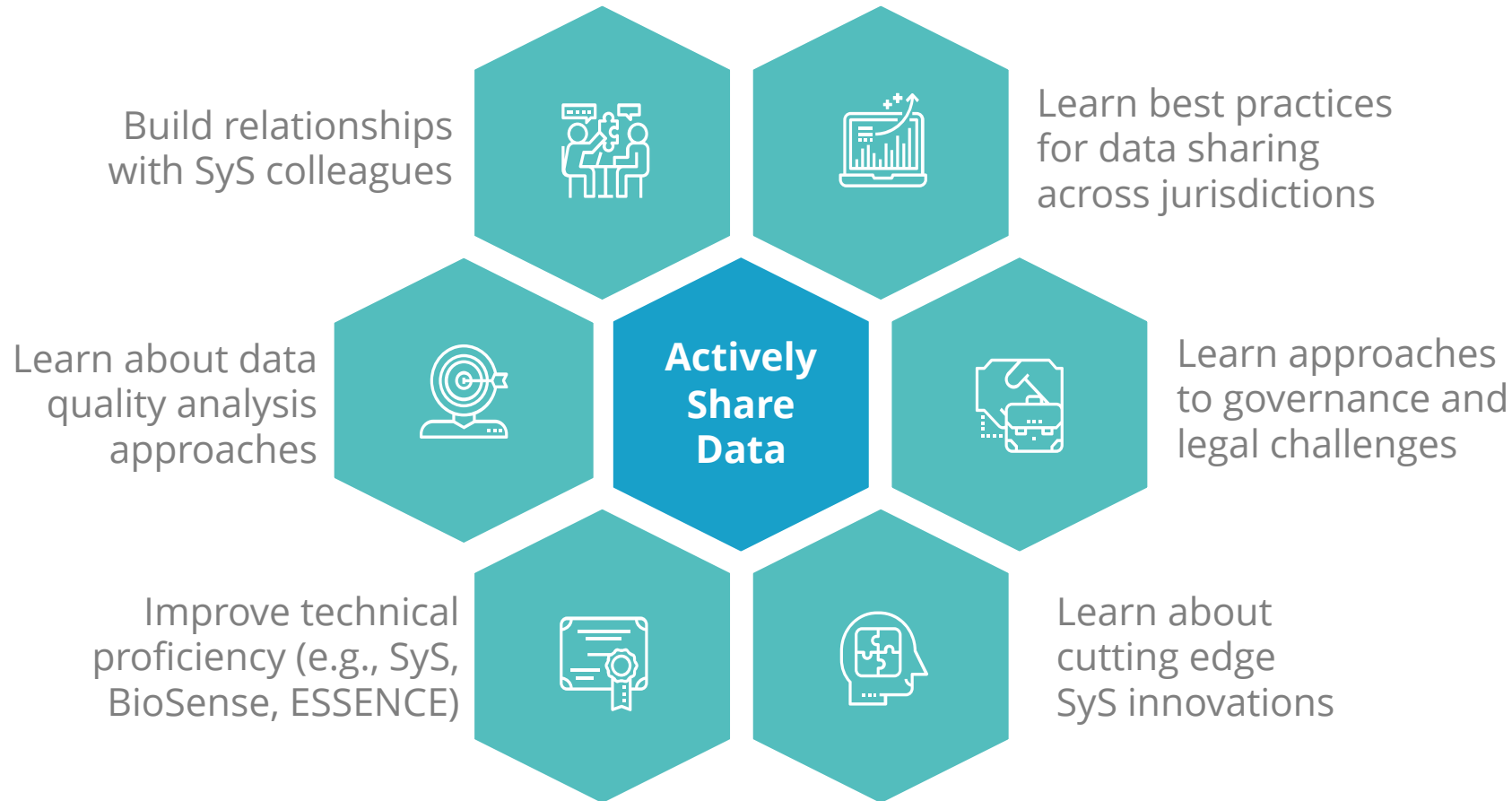
Site Characteristics South/East regions

Source: NSSP | Date: 4/10/2019 | *Methods: <https://www.cdc.gov/nssp/news/2018/12-december/nssp-update-2018-12-508.pdf>

Site	Facilities (n)	Coverage (%)*	Median Daily Visit Volume	Date of First Visit	Active Site Users**	Current Data Sharing through BioSense Platform (CDC, other jurisdiction (s), both)
Texas Region 5/6	1	<1%	12	2016-02-09	20	
Texas Region 2/3	99	84%	11,396	2016-01-01	43	2 (Hurricane and NSSP Collaboration)
Tulsa, OK						
Alabama	86	91%	7,782	2016-01-01	24	2 (flu and NSSP Collaboration)
Arkansas	63	65%	3,337	2016-01-01	7	
DC	8	99%	5,853	2016-01-01	5	
Florida	330	77%	28,494	2016-01-01	3	1 (NSSP Collaboration)
Georgia	107	84%	12,424	2016-06-02	10	1 (NSSP Collaboration)
Kentucky	70	43%	28,556	2016-01-01	60	4 (neighboring states and CDC Opioid)
Louisiana	55	55%	4,936	2016-01-01	7	1 (CDC Waterborne)
Maryland	43	88%	6,561	2016-01-01	4	1 (CDC Innauguration)
Mississippi	35	73%	8,988	2016-01-01	51	1 (NSSP Collaboration)
North Carolina	124	84%	13,888	2016-01-01	12	2 (CDC Flu and NSSP Collaboration)
Oklahoma	0	0%	0	NA	0	
South Carolina	25	49%	3,886	2016-01-01	6	
Tennessee	81	64%	7,505	2016-01-01	37	3 (neighboring states)
Texas	42	26%	3,802	2016-01-01	2	
Virginia	132	76%	14,055	2016-01-01	87	5 (DOD, Neighboring states, CDC Inauguration)
West Virginia	40	91%	12,840	2016-01-01	52	2 (CDC Opioid and NSSP Collaboration)

Expectations

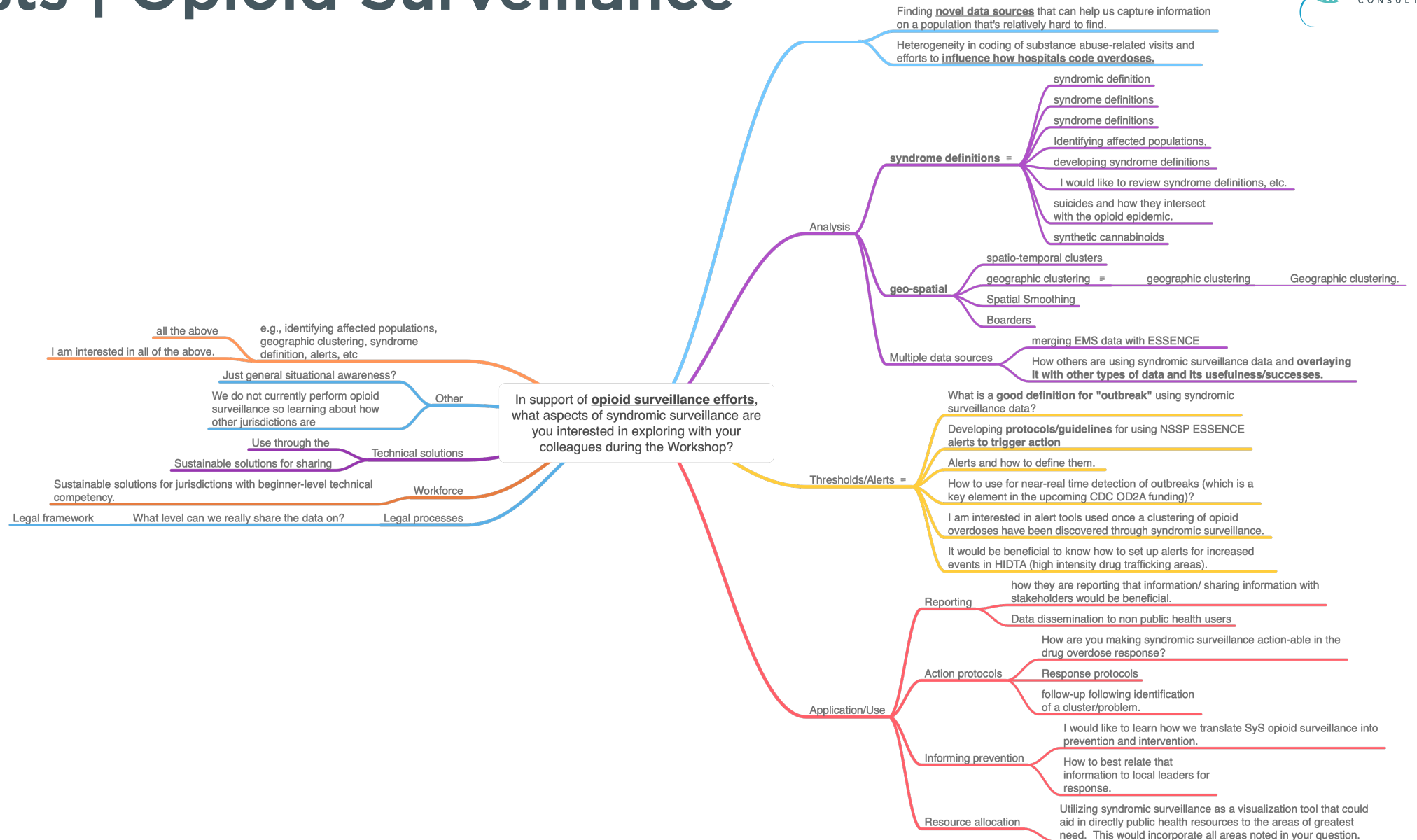
Common Goals for Workshop



Topics and Questions to Explore

- Data sharing cadence (i.e., routinely or for events)
- Most beneficial reports and information to share
- Canned reports for urgent use
- Query definition creation
- Best approaches to sharing indicator codes
- Notification protocols
- Program management
- SyS as indicator for chronic health

Interests | Opioid Surveillance



Proposed S+E Data Sharing Activity

Evaluate and visualize opioid crisis syndromes, and explore utilization practices

Using BioSense Platform tools (e.g., AMC, ESSENCE, etc.), work in small groups (7 – 10 people) to evaluate and improve syndrome classifiers, and then apply those to analyses and visualizations that provide useful opioid crisis surveillance information.

Groups will be assigned to ensure equal distribution of SyS experience and skill. Every effort will be made to create groups with shared geographic borders.

CDC SMEs will be available to assist, collaborate and learn.

Part 1: Classifier evaluations

Use SyS CoP guidance on CDC-developed syndrome classifiers:
All OD, opioid, heroin, [choice]



Part 2: Analytics and visualizations

Create Dashboards and myAlerts for examining temporal and spatial trends, descriptive population characteristics.



Part 3: Application/use

Synthesize experience and devise approaches to reporting and action protocols that may inform prevention and resource allocation



Options S+E Data Sharing Activity

Part 1: Classifier evaluations

1. What classifiers?
 - a. All drugs
 - b. Opioid
 - c. Heroin
 - d. Other?
 - i. Synthetic cannabinoids
 - ii. Marijuana
 - iii. Suicide
 - iv. ...
2. What data set(s)?
 - a. Own data, own classifier
 - b. BioSense classifier training set
 - c. Shared regional set

Part 3: Application/use



Part 2: Analytics and visualizations

3. What analyses?
 - a. Temporality
 - i. Daily
 - ii. Weekly
 - iii. Monthly
 - b. Spatial
 - i. Regional groups
 - ii. HIDTA Counties
 - c. Demographics
4. ESSENCE products
 - a. myESSENCE Dashboard
 - b. myAlerts
 - c. ...



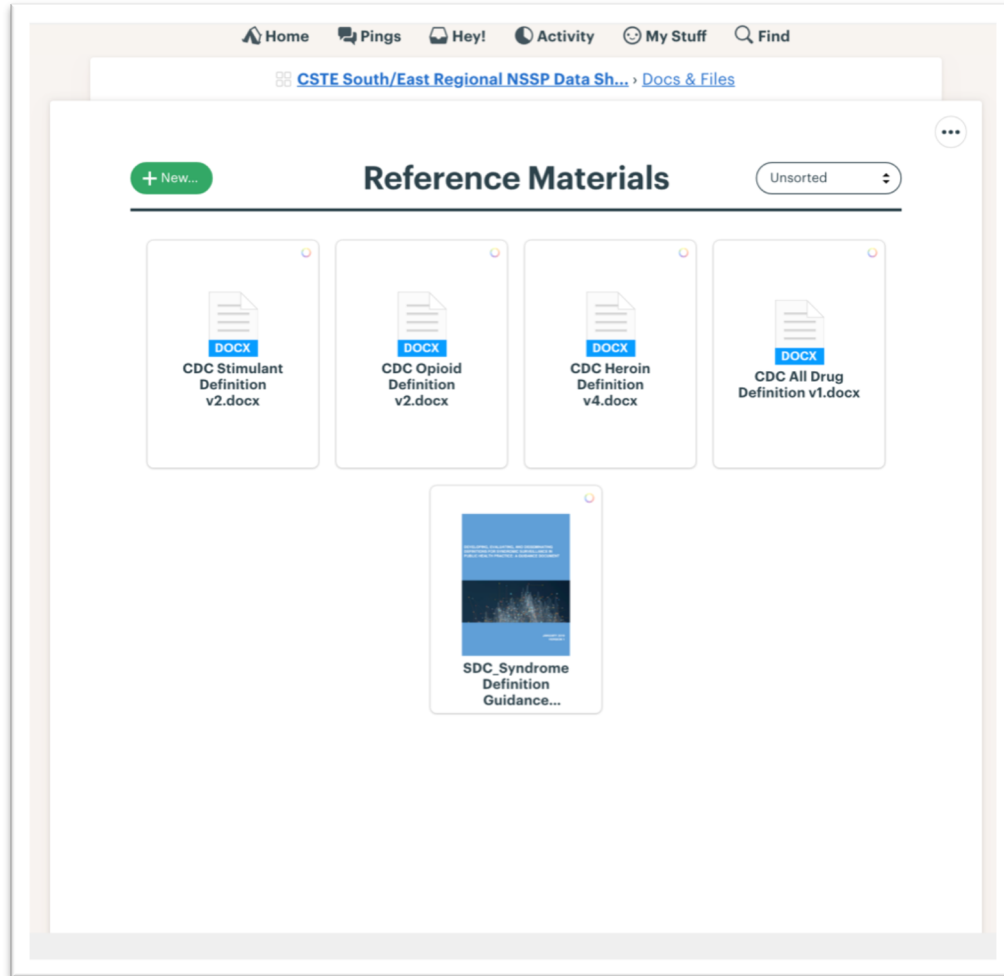
Data sharing in the BioSense Platform AMC

Max Wurlund

Next Steps and Announcements

Charlie Ishikawa and Hayleigh McCall

Next Steps: Prepare and pack!



1. Respond to system assessment
2. Share data with SE Group using AMC
3. Respond to legal questions
4. Review reference materials
 - A. Order lunches
 - B. Bring your laptop!
 - C. Recommended attire:
 - Analysis Comfort, Smart Casual, Casual Business