

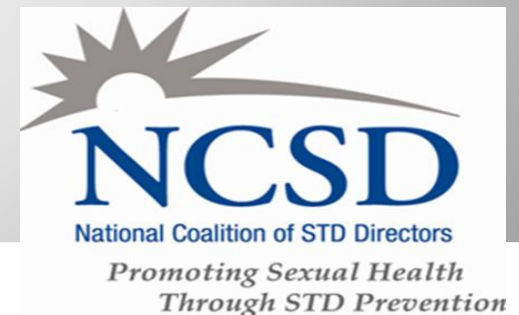
Maven STD Information Systems Users Group

August 18, 2016 1:00 – 2:00 PM ET

Thanks for joining the webinar! We will begin shortly.

Please remember to call in at:

1- 866.740.1260 : Access code 7153863
to join the Audio for this call.



A few housekeeping items

- **Please mute your phone when not speaking.** We are keeping the lines open to allow for questions and discussion.
- If the facilitator loses web or voice connection during the presentation, please keep your video and audio connections until the facilitator reconnects.
- Please use the chat function to ask questions

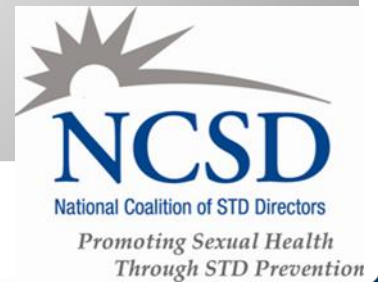
Maven User Group

- **Audience:** STD AAPPS funded grantees and other STD programs using Maven software for STD case reporting and management.
- **Purpose:** Identify and share:
 - Best practices
 - Solutions to common problems
 - Sources of technical oddslot scores assistance
 - Identify opportunities to share resources and costs
 - Dialogue with staff at CDC's Division of Sexually Transmitted Disease Prevention (DSTDP) Surveillance and Data Management Branch, National Coalition of STD Directors (NCSD) and Consilience.

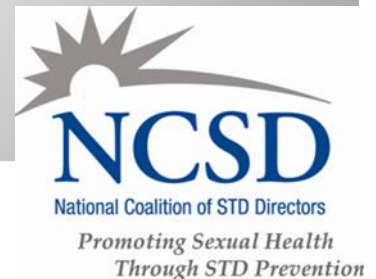
Agenda

- Welcome and Introductions – Marvin Fleming/Charlie Rabins
- Update from NCSD – Charlie
- Update from CDC Surveillance and Data Management Branch
Marvin Fleming
- Update from Maven Vendor: Consilience - Michelle Brazel
- Project Area Presentation: Congenital Syphilis NETTS Extract and Syphilis Summary Report (Massachusetts) – MaryKate Martelon
- User Issues Discussion and Questions - Charlie
- Wrap-up and Next Steps - Charlie

NCSD Update



CDC DSTDP Surveillance and Data Management Branch Update



ELC 1st Quarter Engagement Calls

	Monday	Tuesday	Wednesday	Thursday	Friday
08/01/16-08/05/16			IA 10AM	AR11AM	
08/08/16-08/12/16		HOU 11AM	KS 11AM KY 2 PM	NJ 10AM AZ 12PM	
08/15/16-08/19/16	IL 2 PM	MT 11AM	CHI 11AM CO 4 PM	AL 11AM	MD 1PM
08/22/16-08/26/16					GA 11AM CA 1 PM
08/29/16-09/02/16	ND 3 PM		ME 11AM MI 1:30PM		HI 2 PM
09/05/16-09/09/16	Holiday	MN 2 PM	DC 3PM		
09/12/16-09/16/16	DE 9:30AM	MO 3 PM CO 10:30	MS 11AM	AK 3:30PM	
09/19/16-09/23/16		NH 2PM	IN 1PM		

DSTDP Update

Consilience Update

Michelle Brazel



Maven STD Users Group Meeting

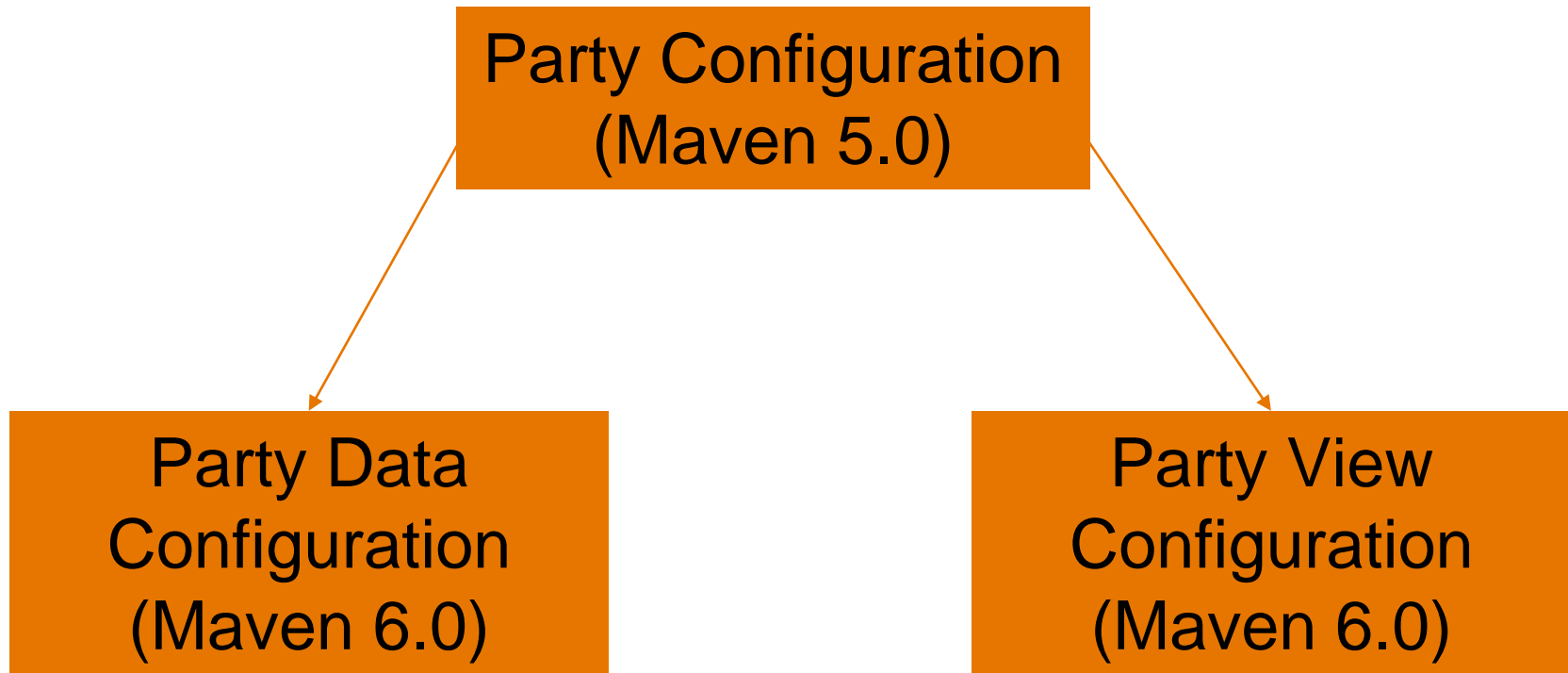
8/18/2016

Contact: Michelle Brazel
Email: michelle.brazel@xerox.com
Office: 512-915-1737

NCSD Maven User Group Update – Maven 6.0 New Feature Highlights

Party Configuration Changes

Party Configuration Split



Party Data Configurations

- Data configurations control what party attributes exist
- They enforce attribute format
- They determine whether a property is removed by de-identification
- They specify attribute dependency
- Which data configuration is used for a party depends on the following:
 - Party Type
 - Party Category
 - Party Reference Category
 - Party De-identified Status

Party View Configurations

- View configurations control the order of party fields
- They determine which fields are visible/editable
- They control which fields can be search criteria
- Which view configuration is used for a party depends on the product, if available

Maven 6.0 New Features

- **MVN-6660: Create user configurable preferences**
 - Users now have user-specific preferences that can be configured in various places throughout the UI to customize their Maven experience.
- **MVN-8954: Allow per-user configurations of the splash screen**
 - The splash page is now configurable by the end user. Panes can be added, removed, collapsed or expanded. Per pane preferences are available, including title bar color. The layout of panes is also configurable.

Maven Public Health Information S...
+

localhost:8080/phis/main.do
Search
System Administrator

Maven Public Health Information System
Enter Case ID or Search Term... Search

Alerts and Notifications
Recent Records
No recent cases to display
Workflows
Tasks

Workflow Queue	Events	Assigned
Events Flagged by Outbreak Detection Algorithms	6	0
Events with concerns to review	48	1
HIV & Syphilis Cases/Contacts Not Interviewed	107	1
HIV & Syphilis Cases/Contacts Not Interviewed in 14 Days	47	0
HIV without treatment	19	0
Immediate Notification Followup - EPV/GCD Disease	2	0
Immediate notification - BT disease	10	0
Immediate notification - Epi disease	71	0
Immediate notification - Immunization disease	85	0
Lab Monitor	35	0

Type	Priority	Name	Record Type
Assignment	Medium	Teel, Gavin	Syphilis

Quick Links
Title bar color:
Save Cancel

Maven 6.0 New Features

- **MVN-8567: Add navigation breadcrumbs feature to Maven**
 - Maven now tracks a history of where the user has navigated to* and allows them to easily jump back to a previous page via a new history button in the toolbar. Clicking this button renders all of the allowable history options that a user can safely jump back to and is preferable over utilizing the browser back button

Workflow Queues
localhost:8080/jphis/manageWorkflowQueries.do?reuse=true
Search
System Administrator

Maven Public Health Information System
Enter Case ID or Search Term...
Search
System Administrator

Workflow Queues (Show empty workflows)

Workflow Queue	Total Count (Assigned to me)			
Event Specific Monitors				
☆ Open Cases - Assigned to Current User	1 (1)			
Immediate Followup Workflows				
☆ Immediate Notification Followup - EPI/GCD Disease	2			
☆ Immediate notification - BT disease	12			
☆ Immediate notification - Epi disease	73	Medium	08/02/2016 05:47 PM	
☆ Immediate notification - Immunization disease	86	Medium	08/02/2016 05:47 PM	
Immunization Registry Workflows				
☆ Patients with a recall affected shot that has not been reviewed	2	Medium	08/02/2016 05:44 PM	
Outbreak Workflows				
☆ Events Flagged by Outbreak Detection Algorithms	6	Medium	08/02/2016 05:44 PM	
Review Workflows				
☆ Events with concerns to review	48 (1)	Medium	08/02/2016 05:44 PM	
☆ Lab Monitor	35	Medium	08/02/2016 05:44 PM	
☆ Out of state notification	105 (1)	Medium	08/02/2016 05:44 PM	
☆ Unknown Events	2	Medium	08/02/2016 05:44 PM	
☆ Varicella Complications	9	Medium	08/02/2016 05:44 PM	
☆ Close out events more than 400 days old (excludes HIV)	335	Low	08/02/2016 05:44 PM	
STD/HIV Workflows				
☆ HIV & Syphilis Cases/Contacts Not Interviewed	109 (1)	Medium	08/02/2016 05:44 PM	
☆ HIV & Syphilis Cases/Contacts Not Interviewed in 14 Days	47	Medium	08/02/2016 05:44 PM	
☆ HIV Cases With Open TB Events	1	Medium	08/02/2016 05:44 PM	
☆ HIV without treatment	20	Medium	08/02/2016 05:47 PM	
TB Workflows				
☆ TB Cases	9	Medium	08/02/2016 05:44 PM	

History:
Manage Workflow Queries [300000891]
Main [300000891]
Main
Main [930000240]
Edit Cluster Question Package [930000240] - Traveling Habits
Edit Question Package [300000891] - 1. Administrative
Create Case

Maven 6.0 New Features

- **MVN-6784: Retain secondary case's history during deduplication**
 - Case history events of the secondary case are now retained during case deduplication, and case specific history can be filtered.

Maven Public Health Information S...
+
localhost:8080/phis/main.do?CaseKey=307200176610
Search
Maven Public Health Information System
Enter Case ID or Search Term...
Search
System Administrator

Event Summary

Basic Information

Event ID: 300000870
Record Type: TB-Active
Person: [John Harry Wayne](#) Birth Date: 05/22/1981 (35 yrs 2 mos 10 dys Male)
Investigation Status: Open ([Change to Closed](#))
Linked Events/Contacts: 0 linked event(s)/contact(s) ([View](#))
Linked Exposure Sites: 0 linked exposure site(s) ([View](#))
Attachments: 2 attachment(s) ([Add](#)) ([View](#))
Notifications: Age (at time of event): 35 Years
Classification: Suspect Event Date: 08/01/2016, Event Type: N/A, MMWR:31-16

Notes ([Add/Edit](#) | [Show My Notes](#))

Edit Event Properties
Copy Event

Event Data
Lab Results
Concerns
Persons
Tasks
Surveys
Calendar
Event History

Filter Merge History: 300000870

☐ [Select all]
☒ 300000870
☐ 300000871

Case ID	Event	Message	User
300000870	Case Created	Case created	System Administrator [sa]
300000870	Case Merged	Case merged with case 300000871 (Unmerge)	System Administrator [sa]

Displaying item(s) 1...2
<< First < Prev 1 / 1 Next > Last >>

Maven 6.0 New Features

- **MVN-8360: Display Additional Information on Person Deduplication Screen**
 - Party attributes are now collapsible on the person deduplication page. Furthermore, associated party data (cases, linked cases, and linked parties) have been moved from the party summary ("details") page to the person deduplication page.

Person Deduplication

localhost:8080/phis/viewDeduplicationDetails.do?PartyKey=307200176809&returnToCase=true

Maven Public Health Information System

Enter Case ID or Search Term...

Search

System Administrator

Person Deduplication

Source Record	Matched Record 1 [Score: 100.00]
First Name: John	John
Middle Name: Harry	Harry
Last Name: Wayne	Wayne
Party Summary Link: Details	Details
Events	300000883 - Syphilis - John Harry Wayne
Events	300000881 - HIV - John Harry Wayne
Events	300000870 - TB-Active - John Harry Wayne
External ID: PCJETTAXPAD	PCJETTBEGAA
Create Date: 08/01/2016	08/01/2016
Gender: Male	Male
Birth Date: 05/22/1981	05/22/1981
Social Security Number:	
Race	White
Race	Asian
Race	Black
Additional Counties	Williamson County
Additional Counties	Travis County
Street: 125 Main St	123 Main St
City: Austin	Austin
State: TX	TX
Zip Code: 78703	78703
County: Travis County	Travis County
Country: USA	USA
Home Phone:	
Mobile Phone:	
Work Phone:	
Email:	
Use as Primary for Merge: <input checked="" type="radio"/> Use (PCJETTAXPAD) as Primary	<input type="radio"/> Use (PCJETTBEGAA) as Primary
Select Record for Merge:	<input type="checkbox"/> Select Record (PCJETTBEGAA)

Keep separate
Merge Type: [Select]
Merge selected
Merge fields

Dashboard
Help

Maven 6.0 New Features

- MVN-8367: Allow Investigation field references in Dynamic List Questions
 - DynamicList type questions can now reference investigations.

05. Medical Information
+

localhost:8080/jphis/editQuestionPackage.do?currentTab=0¤tRow=3&cpkgID=307200176638
Search
System Administrator

Maven Public Health Information System
Enter Case ID or Search Term...
Search
System Administrator

05. Medical Information - John Harry Wayne - TB-Active
[Jump To...]
Save
Save & Stay
Cancel
Expand Details

Diagnosis Information

Site of disease
Infectious period start date MM/DD/YYYY

Clinical Outcome

Outcome

Skin Tests

TST reminder letter sent (Yes/No)
TST schedule date MM/DD/YYYY
TST Done?

Radiology

Refused X-ray
Chest X-ray done?
Overseas CXR available?
Other radiology tests

Pathologies

Pathology date MM/DD/YYYY

Smears

Original smear done?
Sputum culture conversion documented?

Labs

Test
MTB DNA: ACnc: Pt: xxx: Ord: Probe.Amp.Tar - Add New

Save
MTB DNA: ACnc: Pt: xxx: Ord: Probe.Amp.Tar - Positive
MTB genotype: Prld: Pt: Islt: Nom: Mirotyping - Numeric result only
Microorganism: Prld: Pt: xxx: Nom: Culture - Nonviable

Maven 6.0 New Features

- MVN-8364: Allow cases in workflows to be opened to data entry wizards in addition to question packages
 - Previously in workflow question package mappings, users would only be allowed to select question packages. Now users are allowed to select virtual question packages as well. A new tree structure has been designed so it is easier for users to navigate to the question packages they want to select.

Manage Workflows

localhost:8080/jphis/editWorkflowQueryInput.do?ObjectKey=¤tTab=5¤tRow=0¤tTabCategory=3

Maven Public Health Information System

Search

System Administrator

Edit Workflow

Save Cancel

Question Package Mapping

Question Packages:

Select one or more question packages below.

[Expand all](#) [Collapse all](#) [Check all](#) [Uncheck all](#)

- + Adverse Events in Hospitals
- + Aggregate Flu Reporting/Sentinel Surveillance
- + Asthma Model
- + CRA Master Model
- + CRA Site Model
- + Claims Model
- + DPH Cancer Model
- + DPH HIV Model
- DPH Model - Epi/Imm
 - Question Packages
 - ☐ 1. Administrative
 - ☐ 2. Demographic
 - ☐ 3. Clinical
 - ☐ 4. Vaccine and IG Information
 - ☐ 5. Risk/Exposure/Control & Prevention
 - ☐ 6. Epi-linked and Outbreak Information
 - ☐ 7. Pertussis Active Surveillance Supplemental Section
 - ☐ 7. Hepatitis B (Women 14-44 years)
 - ☐ 7. Perinatal hepatitis B case management
 - ☐ 8. Hepatitis B (Pregnant women)
 - ☐ 9. Work Log
 - Virtual Question Packages
 - ☐ Enteric CRF Review Wizard
 - ☐ Pertussis CRF Review Wizard
 - ☐ Lyme CRF Review
- + DPH Outbreak Survey Model
- + DPH STD Model
- + DPH TB Model
- + EligibilityScreeningModelAbridged
- + Financial Customer Model
- + HEDSS
- + HIV Provider Model

Maven Roadmap

Maven Roadmap

What's the plan for the future of Maven?

- Mobile access capability for most common end user pages – 6.x
- R integration for built-in statistical analysis – 6.x
- Stand-alone provider portal functionality – 6.x
- Redesigned model manager – 7.x
- More powerful advanced search (leveraging ElasticSearch) – 7.x
- Expression engine overhaul including full language grammar – 7/8?

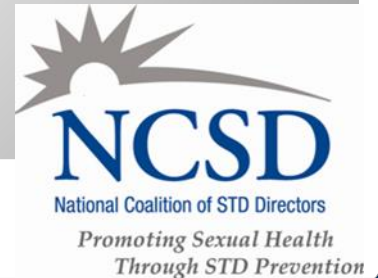
Questions



Contact: Michelle Brazel
Email: michelle.brazel@xerox.com
Office: 512-915-1737

Project Area Presentation

Massachusetts – MaryKate Martelon





Massachusetts Department of Public Health
Bureau of Infectious Disease and Laboratory Sciences

Congenital Syphilis NETSS Extract and Syphilis Summary Report for Massachusetts

MaryKate Martelon, MPH
Surveillance Epidemiologist

Office of Integrated Surveillance and Informatics Services
Bureau of Infectious Disease and Laboratory Sciences

Congenital Syphilis: NETSS Extract

- Every Sunday night, a script is automatically run on all MAVEN events within the specified timeframe (currently January 2016-current date) and have been updated since the last extract
- A txt file is created
- This txt file is then uploaded to SAMS every Tuesday by MaryKate Martelon

Congenital Syphilis: NETSS Extract (MAVEN)

Reporting source	<input type="text"/>
Disease Information	
Disease classification status	Suspect <input type="text"/>
HIV Confirmed Date	MM/DD/YYYY <input type="text"/>
Date identified as contact	MM/DD/YYYY <input type="text"/>
Manual override for event date	MM/DD/YYYY <input type="text"/>
Disease stage	790 - Congenital (Infant) <input type="text"/>
Congenital outcome	<input type="text"/>
Event attribute	Congenital <input type="text"/>
Disease type	Immediate <input type="text"/>

Autopopulated field when age of person is 2 years or younger

About 90% of our labs come in via ELR. As soon as the event is created, this event attribute is populated. Once this event attribute is populated, the event flows into a workflow for field follow-up.

Is this a Marginal contact	<input type="text"/>
Manual override for event date	MM/DD/YYYY <input type="text"/>
Disease stage	790 - Congenital (Infant) <input type="text"/>
Congenital outcome	<input type="text"/>
Event attribute	<input type="text"/>
Disease type	<input type="text"/>
Prior history in database	<input type="text"/>
Where was infection acquired	<input type="text"/>
Initiating Agency	Massachusetts <input type="text"/>
Lab work needs review	<input type="text"/>
DIS lab review date	<input type="text"/>

When disease stage = 790, a child question appears that includes the congenital outcomes.

Congenital Syphilis: NETSS Extract

- All cases that are identified as congenital cases, regardless of disease status are currently being sent in the NETSS extract.

Reporting source	<input type="text"/>
Disease Information	
Disease classification status	<input type="text" value="Suspect"/>
HIV Confirmed Date	<input type="text" value="MM/DD/YYYY"/>
Date identified as contact	<input type="text" value="MM/DD/YYYY"/>
Manual override for event date	<input type="text" value="MM/DD/YYYY"/>
Disease stage	<input type="text" value="790 - Congenital (Infant)"/>
Congenital outcome	<input type="text" value="Congenital"/>
Event attribute	<input type="text" value="Immediate"/>
Disease type	<input type="text"/>

Congenital Syphilis: NETSS

Extract: Problems Encountered

- Suspect congenital syphilis cases without an identified outcome are being sent with a class status of 4 in column 199.
- Unlike all other STIs, congenital syphilis cases should not be sent regardless of disease status (suspect, probable, confirmed).

CLASS

199

Case Classification.

Values:

1=Not a case

2=Confirmed Case (laboratory confirmed identification of *T.pallidum*, e.g., darkfield or direct fluorescent antibody positive lesions)

3=Syphilitic stillbirth

4=Probable case (a case identified by the algorithm, which is not a confirmed case or syphilitic stillbirth)

10126

200 206

CDC 72-126 Form Case ID number (0000000-Unknown)

Congenital Syphilis: NETSS

Extract: Problems Encountered

- Uploaded files were not being treated as year-to-date files.
 - Revoked, deduped, deleted cases were not deleted on the CDC side
- Ramifications:
 - CDC has an inflated number of STIs in comparison to MA total

Congenital Syphilis: NETSS

Extract: Lessons Learned

- When uploading the txt file to SAMS, one must specify that the file is a year-to-date file and include text that states this fact as well
- Updating NETSS algorithm to only send those congenital cases with an identified congenital outcome (projected fall 2016)

Is this a Marginal contact

Manual override for event date

Disease stage

Congenital outcome

Event attribute

Disease type

Prior history in database

Where was infection acquired

Initiating Agency

Lab work needs review

DIS lab review date

790 - Congenital (Infant)

Not a case

Confirmed case

Syphilitic stillbirth

Presumptive Case

Massachusetts

Syphilis Risk Factor Tracking Report

Report Parameters include: event date, gender, disease stage, and county

Syphilis Risk Factor Tracking

Report period: 01/01/2016 - 06/01/2016

Gender: MALE,FEMALE,TRANSGENDER,UNKNOWN

Disease Stage: 710 - Primary,720 - Secondary,730 - Early Latent

County: Barnstable,Berkshire,Bristol,Dukes,Essex,Franklin,Hampden,Hampshire,Middlesex,N/A,Nantucket,Norfolk,Plymouth,Suffolk,Worcester

The data in this report contain confidential information and are for internal use only.

The data are current as of 08/16/2016 and are subject to change.

Variable	Total for time period	Total for year to date	Total for same time period last year
Classification Status			
Confirmed	2	2	1
Probable	410	410	282
Suspect	7	7	0
Revoked	1	1	2
Contact	47	47	36
Disease Stage			
Primary	69	69	54
Secondary	137	137	94
Early Latent	213	213	137
Congenital	N/A	N/A	N/A
Other	N/A	N/A	N/A
Age			
<15	0	0	0
15-19	11	11	7
20-24	70	70	52
25-35	151	151	102
36-50	124	124	88
>50	63	63	36
Race			
Black/African American	83	83	42
White	210	210	171
Other	81	81	52
Unknown	35	35	49
Missing	44	44	23

Able to compare counts from current time period to same time period the previous year

Syphilis Risk Factor Tracking Report

Maven Reporting

Category: Custom Reports

Select Report: Syphilis Risk Factor Tracking

Description: Syphilis risk factor tracking

Gender*: Male
Female
Transgender
Unknown

Event Date Start*: MM/DD/YYYY

Event Date End*: MM/DD/YYYY

Disease Stage*: 700 - Unknown
710 - Primary
720 - Secondary
730 - Early Latent
740 - Latent Unknown Duration

County*: Bristol County
Dukes County
Essex County
Franklin County
Hampden County

Run Report Export Results Dashboard Help

Syphilis Risk Factor Tracking Report

Sex Partner Risk			
MSM	241	241	196
MSW	45	45	16
MSMW	19	19	13
MST	0	0	0
MSMT	0	0	2
MSWT	0	0	0
MSMWT	0	0	0
WSM	28	28	22
WSW	0	0	0
WSMW	0	0	0
WST	0	0	0
WSMT	0	0	0
WSWT	0	0	0
WSMWT	0	0	0
TSM	0	0	0
TSW	0	0	0
TST	0	0	0
TSMW	0	0	0
TSMT	0	0	0
TSWT	0	0	0
TSMWT	0	0	0
Other Sex Risk Indicated			
Multiple partners	122	122	84
Oral sex	174	174	143
Vaginal sex	57	57	34
Anal sex	149	149	117
Receptive anal sex	100	100	90
Sex with known MSM	0	0	1
Condom Use			
Always	3	3	3
Always - except oral	18	18	32
Anonymous contacts only	2	2	4
Sometimes	140	140	105
Never	55	55	35
Unknown	64	64	18
Missing	137	137	88

Syphilis Risk Factor Tracking Report

Other Risks			
Met contacts online	93	93	80
Exchanged drugs or money for sex	7	7	13
Sex while high or intoxicated	67	67	64
Used drugs	71	71	56
Used injection drugs	10	10	11
Used Meth	19	19	14
Incarcerated past year	7	7	8
Travel outside of MA	58	58	49

- Report is reviewed on a bi-weekly basis by staff epidemiologists and field supervisors
- It gives a nice “high-level” view of risk factors
- Helps MDPH monitor whether there is a geographical location or a risk that may be outside of our routine concerns

Thank you

Contact info:

marykate.martelon@massmail.state.ma.us

General Discussion User Issues and Questions

Next Steps and Action Items

- Email Charlie at crabins@ncsddc.org with:
 - Completed/Corrected Info from User Group Contact List
- Email Charlie and Marvin:
 - Topics or Discussion Questions for Future Meetings
- Use and Promote NPIN Site
 - Post Resources
 - Ask and Respond to Questions
- A link to the audio recording and slides from Today's Presentation will be posted on NPIN in the PRISM Users Group within the next week

Thanks for Participating

- Please email Charlie Rabins crabins@ncsddc.org or Marvin Fleming mqf6@cdc.gov with comments or suggestions for improving the user group.