Public Health – EHR Vendors Collaboration Initiative
Webinar

Meaningful Use 3 & NHSN AUR Module

and

The National Health Care Surveys:
Registration, Readiness, and Testing for Stage 3 Meaningful
Use (MU)/Merit-based Incentive Payment System (MIPS)
Public Health Reporting

July 18, 2017
Public Health – EHR Vendors Collaboration Initiative

In Focus

Special Session # 7: Zika Virus Disease Update

Coming Up! Special Session # 7: Zika Virus Disease Update for Electronic Health Record (EHR) Vendors, Health Information Technology Developers, Public Health, and Clinical Healthcare Partners on Nov 2, 2016 1:00 PM - 3:00 PM EDT

Please pre-register for the webinar by clicking the link below:

https://attendee.gotowebinar.com/register/359495687254614131

Abstract

This webinar will be focused on the recommendations around Ask at Order Entry (AOE)* for pregnancy status in Zika virus (ZIKV) laboratory test orders with the possibility of a broader discussion on the capture of pregnancy status in electronic health records, per the clinical workflow and an update on the algorithm for ZIKV risk assessment in pregnant women, based on the latest Centers for Disease Control and Prevention (CDC) guidelines.

Terms explained:

* Ask at Order Entry (AOE): Some tests, such as microbiology cultures and those that determine heavy metal ion concentration, require additional
Submit or Ask Questions

• Submit your text question and comments using the Question Panel

• Please raise your hand to be unmuted for verbal questions.
NHSN Meaningful Use 3 Process & Reports
NHSN MU3 Readiness

- January 2017: NHSN updated to allow MU3 registration & enable MU3 status reports
- June 2017: NHSN updated to streamline MU3 process
MU3 Registration within NHSN

- Only available to NHSN Facility Administrator
  - Click “Facility” > “AUR MU3 Registration”
Begin by checking box
Add optional MU3 contact email(s)
Completed registration cannot be removed
  - Optional email(s) may be changed
  - If NHSN Facility Administrator is reassigned, MU3 pages will be auto-updated
MU3 Registration of Intent Completed

- Email sent to NHSN Facility Administrator & MU3 contact email(s)
  - Registration of intent complete
  - Ready for testing and validation stage
- Next step:
  - Facility sends test AUR CDA files for validation
Testing & Validation Stage

- NHSN team performs validation on each CDA file
- If failed validation:
  - Results noted
  - NHSN sends email with list of issues to be corrected
  - Facility remains in testing & validation stage until all three file types have passed validation
Testing & Validation Stage (cont.)

- If passed validation:
  - Results noted
  - NHSN sends invitation to production
Ready for Production

- After passing validation, facility is sent results
- Invited to send AUR CDAs to production
Facility MU3 Status Reports

- Distributed via email with attached report to:
  - NHSN Facility Administrator
  - Optional MU3 contact email(s)

- Methods:
  - Automatic email on 1\textsuperscript{st} of the month
  - Ad-hoc request within NHSN

<table>
<thead>
<tr>
<th>Month/Year</th>
<th>Antimicrobial Use Summary</th>
<th>Antimicrobial Resistance Events</th>
<th>Antimicrobial Resistance Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>01/2017</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>02/2017</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>03/2017</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>04/2017</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>05/2017</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Thank you for partnering with NHSN to support antimicrobial stewardship via electronic reporting.
NHSN MU3 Metrics
MU3 Metrics

- 25 facilities registered
  - From 6 states: CA, FL, IN, KS, NY, WA
  - 18 facilities have passed validation and been invited to production

*As of July 7, 2017*
Additional Resources
NHSN AUR Module MU3 Resources

- NHSN MU3 Website:

- NHSN MU3 Facility-level guidance document:
  - https://www.cdc.gov/nhsn/pdfs/cda/MU3-Facility-Guidance.pdf

- NHSN Helpdesk (protocol questions):
  - NHSN@cdc.gov

- NHSN CDA Helpdesk (technical questions):
  - NHSNCDA@cdc.gov
Thank you!

Questions?

For more information, contact CDC
1-800-CDC-INFO (232-4636)

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.
The National Health Care Surveys: Registration, Readiness, and Testing for Stage 3 Meaningful Use (MU)/Merit-based Incentive Payment System (MIPS) Public Health Reporting

Denys Lau, Ph.D.
Acting Division Director
Division of Health Care Statistics
National Center for Health Statistics
Centers for Disease Control & Prevention

July 18, 2017
Presentation Outline

- Overview of the National Health Care Surveys
- Status of the National Health Care Surveys Public Health Reporting Registry
- National Health Care Surveys Certification and Standards Criteria – Past, Present and Future
  - 2016-2017 Reporting Periods
  - Updated CCG
  - June 2017 Updated Declaration of Readiness
  - Potential Adjustments due to the 2018 IPPS
- Implementer Testing

* Citations, references, and credits
Importance of the National Health Care Surveys

- The National Center for Health Statistics (NCHS) is the federal statistics agency responsible for tracking the nation’s health.
- As part of NCHS, the mission of the Division of Health Care Statistics (DHCS) is to produce accurate, objective statistics on health care to inform health care policy and serve a variety of research needs.
- To carry out its mission, DHCS administers the National Health Care Surveys, which is a family of surveys covering a wide spectrum of health care delivery settings from ambulatory and outpatient to hospital and long-term care providers.
The National Health Care Surveys

• National Ambulatory Medical Care Survey
  ▪ Physician Offices
  ▪ Community Health Centers

• National Hospital Ambulatory Medical Care Survey
  ▪ Emergency Departments
  ▪ Outpatient Departments
  ▪ Ambulatory Surgery Locations

• National Hospital Care Survey
  ▪ Inpatient Departments
  ▪ Emergency Departments
  ▪ Outpatient Departments including Ambulatory Surgery
Status of the National Health Care Surveys Public Health Reporting Registry

- As of July 13, 2017:
  - 152,132 EPs/ECs are registered and in some form of active engagement with NCHS.
  - 908 EHs/CAHs are registered and in some form of active engagement with NCHS.
Presentation Outline

✓ Overview of the National Health Care Surveys
✓ Status of the National Health Care Surveys Public Health Reporting Registry
  ▪ National Health Care Surveys Certification and Standards Criteria – Past, Present and Future
    • 2016-2017 Reporting Periods
    • Updated CCG
    • June 2017 Updated Declaration of Readiness
    • Potential Adjustments due to the 2018 IPPS
  ▪ National Health Care Surveys Implementation Guide Evolution
  ▪ Implementer Testing

* Citations, references, and credits
Reporting Period Standards for the National Health Care Surveys: 2016-2017

- In 2015 CMS announced that submission of data to the NCHS would meet the objective for submission of data to specialized registries
  - no certification and standards criteria were specified in the ONC 2014 Edition
- EPs & EHs needed to electronically submit data from CEHRT following the standards, specifications, and vocabularies required by the CDC/NCHS
  - CCD
  - Custom Extract
“NCHS plans to update its reporting requirements and system capacity to solely support Release 1.2 effective January 1, 2018. Accordingly, ONC will permit and provide testing and certification for conformance to National Health Care Surveys IG Release 1.2 to meet this criterion. Health IT already certified to National Health Care Surveys IG Release 1.0 will not be required to retest or recertify to Release 1.2.”


- ECs and Providers capable of submitting National Health Care Surveys IG Release 1.0 or 1.2 documents can be in active engagement with NCHS effective January 1, 2018.
- 1.2 is preferred by NCHS because it is most responsive to vendor and implementer feedback, reflects our latest survey needs and will continue to be supported by us beyond 2018.
Updated Declaration of Readiness: June 30, 2017

- NCHS will be ready to accept National Health Care Surveys data from ECs, EPs, EHs and CAHs in fulfillment of the MIPS and MU Programs Stage 3 Objective 8: Public Health and Clinical Data Registry Reporting, Measure 4: Public Health Registry Reporting on January 1, 2018.

- The format required to generate and transmit data to NCHS for this measure is:
  - HL7 CDA® documents, as described by the Implementation Guide for National Health Care Surveys Release 1, DSTU Release 1.2—U.S. Realm

- Due to the language in the Updated CCG – “Health IT already certified to ...IG Release 1.0 will not be required to retest or recertify to Release 1.2”, NCHS will also accept the 1.0 format as of 1/1/2018.
Potential Adjustments due to the 2018 IPPS

- Should CMS allow flexibility for using the 2014 or 2015 Edition CEHRT in 2018 as the 2018 IPPS NPRM proposes, NCHS will continue to accept HL7 CDA National Health Care Surveys IG 1.1 documents--as it has done since 2016--until December 31, 2018 from ECs and Providers CEHRT for Measure 4: Public Health Registry Reporting.
  - Should this occur, ECs and Providers capable of submitting National Health Care Surveys IG Release 1.1 documents can be in active engagement with NCHS effective January 1, 2018 and continuing through December 31, 2018.
Certification & Implementer Testing

- Certification Companion Guide (CCG) & Test Procedure

- HL7 CDA National Health Care Surveys IG 1.0, 1.1 and 1.2

- NIST Validation Tools for HL7 CDA National Health Care Surveys IG 1.0 and 1.1 - http://cda-validation.nist.gov/cda-validation/muNHCS.html
  - 1.2 documents

- Test Data is available on the above NIST site
  - IG 1.0, 1.1 now
  - IG 1.2 to be posted in the future
    - Sample 1.2 XML files available now in the HL7 1.2 IG Package

- Google Group
Certification & Implementer Testing

- NCHS has recently fielded requests from a few vendors to give them feedback on CDA documents from their 2015 Edition products
  - To the extent limited resources allow, NCHS will provide feedback on IG version 1.0 and 1.2 CDA documents we receive from vendors
  - Should CMS allow flexibility for using the 2014 or 2015 Edition CEHRT in 2018 as the 2018 IPPS NPRM proposes, to the extent limited resources allow, NCHS will provide feedback on IG version 1.1 CDA documents we receive from vendors
Summary

- **NCHS, until 12/31/17, is accepting data formatted to:**
  - National Health Care Surveys IG 1.1
  - CCD
  - Custom Extract Guidelines

- **Beginning on 1/1/2018 NCHS is accepting data formatted to:**
  - National Health Care Surveys IG 1.0
  - National Health Care Surveys IG 1.2
    - Preferred by NCHS because it is most responsive to vendor and implementer feedback, reflects our latest survey needs and will continue to be supported by us beyond 2018

- Should CMS allow flexibility for using the 2014 or 2015 Edition CEHRT in 2018, beginning on 1/1/2018 NCHS and ending on 12/31/2018, NCHS will accept data formatted to:
  - National Health Care Surveys IG 1.1

- A variety of developer and implementer resources and support is available
Thank You!

Questions?
Evolution of the National Health Care Surveys Implementation Guide: *Update to 1st DSTU – November 2015 – Known As Release 1.1*

- **Document-Level Templates**
  - refactored to report the survey data by setting of visit rather than by survey as in the previous release. All 3 document-level were changed:
    - Inpatient Encounter (NHCS-IP) (V2)
    - Outpatient Encounter (NHCS-OPD, NAMCS, NHAMCS-OPD) (V2)
    - Emergency Department Encounter (NHCS-ED, NHAMCS-ED) (V2)

- **Section-Level Templates**
  - to reflect the organization change, *encounters* split into 3 sections:
    - Inpatient Encounters Section
    - Outpatient Encounters Section
    - Emergency Department Encounters Section
  - 2 sections retired; DX section renamed Problem; 2 sections added
Evolution of the National Health Care Surveys Implementation Guide: *Update to 2nd DSTU – November 2015 – Known As 1.1*

- **Entry-Level Templates**
  - Current visit encounter split into 3 specialized encounters:
    - Inpatient; Outpatient; Emergency Department
  - 10 new entry-level templates were added
  - 5 new value sets were added

- Many templates re-versioned due to the versioning of contained templates

- In summary, there were many changes, some of them substantial, between Release 1 (known as 1.0) and 1.1
Evolution of the National Health Care Surveys Implementation Guide: 
Update to 2nd DSTU – August 2016 – Known As Release 1.2

- No new document and section-level templates were added
- Several document and section-level templates were updated due to the versioning of contained template
- 4 section-level templates were updated with changes
- 1 new entry-level template was added
- 2 entry-level templates were retired
- Many of the value sets were updated with current URLs

- In summary, the changes from 1.1 to 1.2 were less substantial and fewer in number than the changes from 1.0 to 1.1