Zika Virus Disease Update for EHR Vendors, other Health Information Technology Developers, Public Health, and Clinical Healthcare Partners

Public Health - EHR Vendors Collaboration Initiative

February 17, 2016
CDC EHR Meaningful Use webpage - Public Health – EHR Vendors Collaboration Initiative

URL: http://www.cdc.gov/ehrmeaningfuluse/public-health-ehr-vendors-collaboration-initiative.html
ZIKA Alert – GoLive Wednesday, February 17th
February 5th, 2016

Update Interim Guidance: Testing Algorithm, modification of existing Ebola workflow?

Pregnant woman with history of travel to an area with ongoing Zika virus transmission

Currently, all six travel locations are Level 2: Practice Enhanced Precautions (yellow)

Investigation of primary points of entry:

Inpatient: EC and FBC
Outpatient: PCP, FM, IM, UMCPS, OB (8 locations), Combest (FQHC), SH
New build assessment and modifications needed to existing Infectious Disease powerforms

*Inpatient
*Ambulatory

Trigger for alert: Demo
Future considerations:
Lab results
C/R OB order set

Incorporated sexual partner information into alert

Alert contents:
* on open chart
* provider positions only
* female patient only (7-70yrs)
* current encounter
* 24hours with options

Included CDC hyperlink
PowerForm mockup –

**Build:**
* Pregnant dta dithered on males patients and patients outside age reference range
* Will not fire alert on male/reference range pts
* Zika exposure selection will “kill” alert

**Approval needs:**
- FYI to CDS 2.11.16
- FYI to U&S 2.16.16
- TTP Nurse Mgmt 2.12.16

**Education needs:**
* Inpatient and ambulatory nursing staff
* Providers: concierge and PUTTER
* Lab education
* Final demo (Lab, OB High Risk, UMCPS, ID, TTP IC, UMC IC, UMC Nurse Education, TTP Nurse Mgmt...) scheduled 2.16.16
Zika Alert

This alert has fired because your patient may be pregnant, and either the patient or their sexual partner has recently traveled to a location at risk for exposure to the Zika virus.

Your patient reports her pregnancy status as **Pregnant**.

Patient reports last travel within **7 days**.

Patient reports travel to **Cape Verde**.

The patient reported having the following symptoms: **Conjunctivitis**.

CDC recommendations suggest starting with Zika serum testing and follow up with OB for possible ultrasound studies when potential exposure of a pregnant patient has been identified.

Please click “Guidelines” button below to access the CDC Zika Pregnancy website for current recommendations.

Cerner, 2016

Alert Design

Notification to provider positions that their patient has somehow qualified for the alert to fire.

Alert informs provider HOW the patient qualified.

Alert fires on “open chart”, same encounter as intake for 24 hours

Nursing will not see alert, but will use modified intake form

Gentle assistance with CDC current recommendations

Hyperlink to current CDC Zika Pregnancy Guidelines
Lab – Microbiology

Proposed workflow as of 2.5.16

Manual order form
Tiger top delivered to lab (Virology)

Lab will send to state, who will divide sample to state and CDC

Results will be received electronically in provider inbox and under “Misc Send out”

<table>
<thead>
<tr>
<th>FOR ARBOVIRAL DISEASE BRANCH USE ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDC R-number________________________</td>
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<table>
<thead>
<tr>
<th>Reporting Jurisdiction</th>
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<tbody>
<tr>
<td>Person completing form:________________</td>
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<table>
<thead>
<tr>
<th>Demographic Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>State ID number____________</td>
</tr>
<tr>
<td>Age: ______ ☐ Years ☐ Months</td>
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<tr>
<td>Sex: ☐ Male ☐ Female</td>
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<table>
<thead>
<tr>
<th>Travel History</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dates of travel:________________</td>
</tr>
<tr>
<td>Country(s) visited:________________</td>
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| Vaccination History |