2019 Novel Coronavirus (2019-nCoV)

Situation Summary

2019 Novel Coronavirus (2019-nCoV) is a coronavirus identified as the cause of an outbreak of respiratory illness first detected in Wuhan, China. On 1/31/2020, Health and Human Services Secretary Alex M. Azar II declared a public health emergency for the entire United States to aid the nation’s healthcare community in responding to 2019 novel coronavirus. For additional information, visit the CDC website (link).

Clinical Management Resources

- CDC Case Definition for Persons under Investigation (PUI) [Last Updated by CDC 2/3/20]
  - Patients in the United States who meet the following criteria should be evaluated as a PUI (person under investigation) for 2019-nCoV CDC Link

<table>
<thead>
<tr>
<th>Clinical Features</th>
<th>AND</th>
<th>Epidemiologic Risk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fever or signs/symptoms of lower respiratory illness (e.g., cough or shortness of breath)</td>
<td>Any person, including healthcare workers who have had close contact with a laboratory-confirmed 2019-nCoV patient within 14 days of symptom onset</td>
<td></td>
</tr>
<tr>
<td>Fever and signs/symptoms of a lower respiratory illness (e.g., cough or shortness of breath)</td>
<td>A history of travel from Hubei Province, China within 14 days of symptom onset</td>
<td></td>
</tr>
<tr>
<td>Fever and signs/symptoms of a lower respiratory illness (e.g., cough or shortness of breath) requiring hospitalization</td>
<td>A history of travel from mainland China within 14 days of symptom onset</td>
<td></td>
</tr>
</tbody>
</table>
• **CDC Flowchart to Identify and Assess 2019-nCoV [Last Updated by CDC 2/1/2020]**
  - For the evaluation of patients who may be ill with or who may have been exposed to 2019-nCoV [CDC Link](#)

  ![Flowchart to Identify and Assess 2019 Novel Coronavirus](image)

- **HCA Healthcare Interim Guidance for PUI [Effective 2/1/2020]**
  - HCA-created checklist for navigating PUI through various presentation settings (e.x. Physician Practice, Transfer Center, Direct Admit) [Atlas Link](#)
• CDC Interim United States Guidance for Risk Assessment and Management of potential PUI [Effective 2/3/2020]
  o Outlines Exposure Risk Categories and recommendations for management by risk level and symptoms
  CDC Link

  **Outlines Exposure Risk Categories and recommendations for management by risk level and symptoms**

  **CDC Interim Guidance for Implementing Home Care of People Not Requiring Hospitalization for 2019-nCoV [Effective 1/31/2020]**
  o Provides guidance for PUIs who do not need to be hospitalized and who can receive care at home
  CDC Link

  • CDC Interim Guidance for Collecting, Handling, and Testing Clinical Specimens from PUIs for 2019-nCoV [Effective 2/2/2020]
  o Provides guidance for Providers, Nurses, Proceduralists, and Laboratorians
  CDC Link

  • CDC Interim Guidance for Management of Patients with Confirmed 2019-nCoV Infection [Effective 1/30/2020]
  o Provides guidance for clinicians caring for patients with confirmed 2019-nCoV
  CDC Link

### Infection Control / Environment of Care

• HCA Healthcare Entryway “Health Alert” signage [Updated 2/4/2020]
  o For use at entryways of HCA Healthcare facilities. Available in English, Spanish, and Chinese via MediaWorks

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**Health Alert**

- Put on a mask and
tell staff NOW.

**健康警示**

- 戴上口罩并立即告知工作人员。

**Alerta Sanitaria**

- Póngase una mascarilla y avísle al personal de salud INMEDIATAMENTE.
- **HCA Healthcare Enhanced Precaution Signage [Effective 2/4/2020]**
  - HCA-created signage as specifying need for Airborne + Contact + Standard (Including Eyewear) PPE usage ([MediaWorks Link](#))

![Enhanced Precautions Signage](image)

- **Hospital and Healthcare Provider Readiness Checklists**
  - Identifies key actions that can be taken to enhance preparedness for potential or confirmed 2019-nCoV patients ([CDC Link](#))

![Hospital Preparedness Checklist](image)

- **Interim Infection Prevention and Control Recommendations for Patients with Confirmed 2019-nCoV or PUI for 2019-nCoV in Healthcare Settings [Updated 2/3/2020]** ([CDC Link](#))
  - Provides comprehensive guidelines for infection control procedures including administrative rules and engineering controls, environmental hygiene, correct work practices, and appropriate use of personal protective equipment (PPE) are all necessary to prevent infections from spreading during healthcare delivery

- **EVS Notes**
  - Manage medical waste (regulated and nonregulated) in accordance with routine procedures.
  - Routine cleaning and disinfection are appropriate. EPA-registered, hospital-grade disinfectants with effectiveness against viruses similar to 2019-nCoV on hard, non-porous surfaces, are on contract in the form of pre-saturated wipes, ready to use solutions and concentrates.
Human Resources

  - To assist with assessment of risk, monitoring, and work restriction decisions for HCP with potential exposure to 2019-nCoV
  
<table>
<thead>
<tr>
<th>Epidemiologic Risk Factor</th>
<th>Exposure Category</th>
<th>Recommended Monitoring for 2019-nCoV</th>
<th>Work Restrictions for Asymptomatic HCP</th>
<th>Work Restrictions for Symptomatic HCP</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Healthcare workers performing procedures that may generate higher concentrations of respiratory secretions</td>
<td>High</td>
<td>Active</td>
<td>Exclude from work for 14 days after last exposure</td>
<td></td>
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<td></td>
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<td></td>
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</tr>
<tr>
<td>B. Healthcare workers with prolonged close contact with a patient who was not exposed to a patient with 2019-nCoV</td>
<td>Medium</td>
<td>Active</td>
<td>Exclude from work for 14 days after last exposure</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C. Healthcare workers with prolonged close contact with a patient with 2019-nCoV</td>
<td>Medium</td>
<td>Active</td>
<td>Exclude from work for 14 days after last exposure</td>
<td></td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D. Healthcare workers with prolonged close contact with a patient with 2019-nCoV and not wearing a respirator</td>
<td>Medium</td>
<td>Active</td>
<td>Exclude from work for 14 days after last exposure</td>
<td></td>
</tr>
</tbody>
</table>

- **Healthcare workers returning from travel to China [Effective 2/6/2020] CDC Link**
  - Individuals who have been to China, even if not exposed to an individual diagnosed with coronavirus and not experiencing symptoms (fever, cough, or difficulty breathing) are now considered at “Medium Risk” of transmitting the virus and need to restrict contact outside the home environment, including entering the workplace.
  - Individuals with symptoms should wear a mask and seek medical care, while alerting provider ahead of time that they are at risk of exposure to coronavirus.

- **OSHA-compiled 2019-nCoV webpage OSHA Link**
  - Additional compilation of resources (most links to CDC) as identified by OSHA and the United States Department of Labor

**Operational Considerations**

- **HealthTrust Pharmacy Services Pharmaceutical Supply Chain Assessment & Risk Profile due to Coronavirus [Sent 2/6/2020] Link**
  - Shares intelligence on the potential implications of CoronaVirus related to the access and supply of pharmaceuticals for our members.

- **Laboratory Services Notes**
  - Per Laboratory Service Line email sent 1/27/20
o We have received notification from BioFire Diagnostics on the ability to detect Coronavirus on the BioFire respiratory and pneumonia panels.

o As expected, they DO NOT predict cross-reactivity of the 2019-nCoV with any of the BioFire Film Array Coronavirus assays.

o HCA Healthcare facilities utilizing BioFire Film Array respiratory assays should amend a comment to the results to include: “This panel does not detect the novel 2019 Coronavirus (2019-nCov). Any positive or negative coronavirus result should not be used to diagnose patients for the 2019-nCoV. Please refer to the CDC website for testing recommendations.”

o At this time the only options for diagnostic testing are the CDC or State Department of Health labs.

• **PPE Notes**

  o 2/11/2020 UPDATE: CDC offers strategies for healthcare settings on how to optimize supplies of N-95 respirators in the face of decreasing supply. These strategies are organized using the occupational health and safety hierarchy of controls approach. [CDC Guidance Link](#).

  o Guidance for HCA Healthcare is to continue practicing judicious stewardship by assuring responsible use of PPE (personal protective equipment) including respiratory protection (facemasks and N-95 respirators), gowns and eye protection.

  o Corporate emergency preparedness and HealthTrust is actively evaluating resources, including supplies on hand for facemasks, N-95 respirators, PAPR supplies, eye protections, and pharmaceuticals. Guidance at this time is to continue with normal operating volume for flu season. For any requests for increased supplies please reach out to your supply chain leaders (do not partner with external vendors at this time). CSG Infection Prevention and HealthTrust supply chain are partnering to monitor facilities’ usage and par levels.

• **N-95 Respirators Notes**

  o Facilities that have already converted from N-95 respirators to PAPRs are asked to LIMIT implementing N-95 testing at this time. Do work with facility and division supply chain to inventory PAPR supplies and establish surge stock volumes.

  o High-risk healthcare personnel (ER, ICU, etc.) should be strategically identified to be N95 respirator fit-tested (if not current). Judiciously conduct annual re-fit testing at this time to conserve supplies.

  o At this time, discard N-95 respirators after use. Limit room entry to essential healthcare personnel and bundle patient care interactions together to limit room entry and exit to conserve supplies.

  o Below you can find a summary of N-95 shelf life by line item, alongside supplier specific updates.

<table>
<thead>
<tr>
<th>Supplier Update</th>
<th>Date</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>3M</td>
<td>February 6, 2020</td>
<td>N95 Shelf Life Data</td>
</tr>
<tr>
<td>Halyard</td>
<td>February 6, 2020</td>
<td>N95 Shelf Life Data</td>
</tr>
<tr>
<td>McKesson Update</td>
<td>February 6, 2020</td>
<td>N95 Shelf Life Data</td>
</tr>
<tr>
<td>Micro-Tech Update</td>
<td>February 5, 2020</td>
<td>N95 Shelf Life Data</td>
</tr>
<tr>
<td>McKesson Update</td>
<td>February 4, 2020</td>
<td>N95 Shelf Life Data</td>
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HCA Healthcare Internal Communications

- **CSG Patient Safety Newsletters**
  - Archived editions of newsletters sent with updates related to Coronavirus and other current Patient Safety concerns [Link](#)

- **HCA CodeReady-Live Site**
  - PUI Cases should be reported to CodeReady under Incident #7316
  - Recordings of Virtual Panel Discussions related to 2019-nCoV posted with CodeReady Incident #7316
  (Note: ESAF request required to obtain new CodeReady access)
  - Enterprise Emergency Operations Center Hotline: 800.319.5402
  - Enterprise Emergency Operations Center Email: EOC.CORP@hcahealthcare.com