

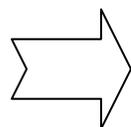
Interim Algorithm for Requests for Antiviral Resistance Testing by CDC for Clinical Care

Ruling out development of resistance while on treatment:

1. Is patient either in **ICU** or **severely immunosuppressed**?
2. Does patient have confirmed 2009 H1N1 infection?
3. Has patient received 5 day course of antiviral therapy?
4. Are there **no** signs of clinical recovery?
5. Is persistent influenza A documented (by PCR, DFA, RIDT, etc)?
6. Will testing results (presence of H275Y mutation) alter clinical care?

If **ALL**

are YES

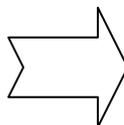


- 1) Contact CDC EOC laboratory desk at eoclaboratory@cdc.gov
- 2) CDC EOC laboratory desk will send BOTH submission forms to requestor:
 - 1) **Form 1**
 - 2) **Form 2**
- 3) Requestor **must** email FedEx tracking number, plus electronic copies of both forms, at time of shipping to eoclaboratory@cdc.gov
Either clinical facility or State public health laboratory can ship specimen. However, state public health lab must be informed of testing request by Requestor.

If **ANY** are **NO** and *testing by CDC is still requested*,
Contact CDC EOC laboratory desk at eoclaboratory@cdc.gov and
the request will be considered on a one-by-one basis

If **ALL**

are YES



Note: failure to contact CDC and get approval for clinical testing prior to shipping could result in delayed testing.

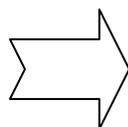
Testing only occurs Mon-Fri and specimens can only be shipped on Mon-Thursday. If this is not sufficient, requestor may contact a commercial lab.

1. Was the person on oseltamivir for **prophylaxis** when he/she developed laboratory confirmed influenza (PCR, DFA, RIDT)?
2. Is patient recommended for antiviral therapy? (hospitalized or at high risk for complications due to influenza)

If patient is in the hospital or is at high risk for complications due to influenza, consider treating with zanamivir.

(Antiviral Guidance: <http://www.cdc.gov/h1n1flu/recommendations.htm>)

Is testing requested for a fatality due to confirmed 2009 H1N1?



- 1) CDC is requesting viral isolates from all fatalities due to 2009 H1N1 for **surveillance**. No need to contact CDC EOC laboratory desk.
- 2) Please send ISOLATE and aliquot of clinical specimen to CDC via state public health laboratory using **standard WHO surveillance** forms. *Write "2009 H1N1 Death" on form. Include information that makes this case suspicious for drug resistance.*