

HEALTH PROTECTION AGENCY WHO PANDEMIC ALERT PHASE 3 ALGORITHMS – UPDATES AND CHANGES

A3: WHO PANDEMIC ALERT PHASE 3: Algorithm for the management of returning travellers and visitors from countries affected by avian influenza (H5N1) presenting with febrile respiratory illness: recognition, investigation and initial management

Date	Change
29 July 2008	Nigeria was added in according to OIE report.
23 July 2008	Benin, Cameroon, Saudi Arabia, Switzerland, Turkey and Ukraine were removed according to OIE reports.
02 May 2008	Japan was added in and Germany, Myanmar and Nigeria were removed according to OIE reports.
08 Apr 2008	Switzerland and Korea (Rep. of) were added in according to OIE reports.
19 Mar 2008	Turkey was added in according to OIE report.
18 Mar 2008	Following changes were made: <ol style="list-style-type: none"> 1. The current infected region in Germany has been added in to replace the resolved infected regions. 2. The following countries have been removed from the infected country list according to OIE reports, i.e. Bulgaria, Burkina Faso, France, Georgia, Israel, Kazakhstan, Mongolia, Poland, Romania, Sudan, Togo and Turkey.
03 Feb 2008	Turkey was added in according to OIE report.
21 Jan 2008	Ukraine was added in according to OIE report.
16 Jan 2008	India was added in according to OIE report.
08 Jan 2008	Israel was added in according to OIE report.
18 Dec 2007	Benin was added in according to OIE report.
03 Dec 2007	Poland was added in according to OIE report.
30 Nov 2007	Romania was added in according to OIE report.
20 Nov 2007	Saudi Arabia was added in according to OIE report.
09 Nov 2007	India was removed according to OIE report.
06 Nov 2007	Czech Republic, Ghana, Malaysia and Niger were removed according to OIE reports.
07 Sept 2007	Deleted 'live (well)' from category (3) exposures, this was mistakenly altered previously
30 Aug 2007	Following changes were made: <ol style="list-style-type: none"> 1. In the top right box, under "(3) Exposures", added 'live (well) or sick, dying' to status of birds; 2. In the second box on the right hand column, added 'Follow SOP for notification of testing to DH'; 3. In the second diamond box in the middle right section, footnote 8 was added 'Standard adult treatment dose=75mg bd unless expert advice is to increase dose.' 4. In the bottom left box "Negative", added 'Discharge if appropriate. Continue oseltamivir in prophylactic dosage for minimum of 10 days in total or until 7 days after last exposure (whichever is the longer). Follow-up until symptoms resolve if alternative diagnosis is not established.' 5. In the bottom right box "Positive", added 'Follow SOP for notification of testing to DH.' 6. Japan and Saudi Arabia were removed according to OIE reports.
26 Jul 2007	India (Manipur region in east India) was added in according to OIE report.

06 Jul 2007	France (Moselle region in east France) was added in according to OIE report.
28 Jun 2007	Another state, Sachsen, of Germany was added in according to OIE reports.
27 Jun 2007	Germany (Bayern state) was added in according to OIE reports.
26 Jun 2007	Czech Republic and Togo were added in and Kuwait was removed according to OIE reports.
14 Jun 2007	Malaysia and the newly infected regions in Russia were added in and Kuwait was removed according to OIE reports.
16 May 2007	Azerbaijan, Côte d'Ivoire, Croatia, Djibouti, England, Hungary and Romania were removed according to OIE reports.
04 May 2007	Ghana was added in according to OIE report.
17 Apr 2007	Saudi Arabia was added in according to OIE report.
02 Apr 2007	Bangladesh was added in according to OIE report.
01 Mar 2007	Kuwait and Myanmar were added in according to OIE reports.
06 Feb 2007	England (Suffolk), Hungary (HPAI H5) and Japan (HPAI H5) were added in according to OIE reports.
15 Jan 2007	In the middle-left part of the first page, two sentences were moved to make them more relevant and clear.
04 Dec 2006	Korea (Rep. of) was added into and Serbia and Montenegro and Ukraine were removed according to OIE reports.
13 Oct 2006	Czech Republic, India, Myanmar, Palestinian Autonomous Territories and Sweden were removed according to OIE reports.
06 Sep 2006	1. Added "close contact with a confirmed H5N1 infected animal other than poultry or wild birds (e.g. cat or pig)" in section "(3) Exposures" according to WHO case definitions (see reference 4). 2. Austria, Germany, Israel, Japan, Jordan, Spain, and Turkey were removed and other infected regions in Russia (Kalmykia Republic, Tyva Republic, and regions of Astrakhan, Chelyabinsk, Kurgan, Tiumen, Altaj, Tula, Tomsk, Omsk and Karabudachkentsky) were added according to OIE reports.
14 Jul 2006	Spain (Alava province) was added and Denmark was removed from the algorithm as suggested by their reports on OIE website
28 Jun 2006	France and Malaysia were removed from the algorithm as suggested by their follow-up reports on OIE website
19 Jun 2006	Travel from areas where H5N1 is not known (eg Americas and Australasia) and no travel (ie resident in UK) have been removed from this algorithm and a new algorithm created (F3). The relationships between clinical, geographical and exposure criteria have been clarified by removal of the 'AND' and 'OR' directors. 'Confirmed H5N1 infection' has been added to the exposure criteria. Clarity has been provided about where these exposures can occur. Plastic apron has been added to the personal protective equipment (PPE) precautions for primary care/community and hospital health care workers.

B3: Draft algorithm: WHO PANDEMIC ALERT PHASE 3: Post-exposure prophylaxis (PEP) for contacts of confirmed human cases of avian influenza (H5N1) in the UK

Date	Change
30 Aug 2007	Box No 4 on the left was changed to: 'Travel in enclosed or close contact (air, car, coach) with symptomatic index case ⁴ '.
19 Jun 2006	Action for contact type 4 (travel contact) clarified to include passive follow up. Actions for contact types 4 and 5 (holiday contact) expanded to include provision of information. Footnote 4: requirement for duration of travel lasting more than four hours removed due to practical difficulties in determining this.

C3: Draft algorithm: WHO PANDEMIC ALERT PHASE 3: Post-exposure prophylaxis (PEP) for farm workers/residents, SVS staff, and cullers involved in confirmed or suspected outbreaks of highly pathogenic avian influenza suspected or known to be due to H5N1 in poultry in the UK

Date	Change
30 Aug 2007	Following changes were made: 1. SVS was replaced by Animal Health throughout; 2. In the first box on the right hand side under 'Prophylaxis with oseltamivir', added '...continued for 10 days minimum or until 7 days after Defra declares the incident to be over (whichever is the longer), or after last exposure to infected or potentially infected...'
05 Feb 2007	The changes written follow up actions in line with the revised policy agreed by ACDP (Advisory Committee on Dangerous Pathogens).
02 May 2006	Title changed to more accurately reflect situation in which algorithm should be used

D3: Draft algorithm: WHO PANDEMIC ALERT PHASE 3: Management of human contacts in the event of confirmed highly pathogenic avian influenza [HPAI] (H5N1) in one or more wild birds in the UK

Date	Change
30 Aug 2007	Algorithm reviewed and some minor changes were made to aid clarity
03 May 2006	Clarification provided regarding PPE and PEP for veterinary workers handling wild birds confirmed to be infected with HPAI (H5N1) within a 10k Defra wild bird surveillance zone.

E3: Draft algorithm: WHO PANDEMIC ALERT PHASE 3: Management of personnel involved in the response to an occurrence of confirmed highly pathogenic avian influenza (H5N1 only) in wild birds in the UK, presenting with febrile respiratory illness

Last reviewed 02 May 2006. *The following change was made: title changed to more accurately reflect situation in which algorithm should be used.*

Date	Change
30 Aug 2007	Following changes were made: <ol style="list-style-type: none"> 1. In the second box on the right hand column, added 'Follow SOP for notification of testing to DH'; 2. In the second diamond box in the middle right section, footnote 4 was added indicating 'Standard adult treatment dose=75mg bd unless expert advice is to increase dose.' 3. In the bottom left box "Negative", added '... if alternative diagnosis is not established.' 4. In the bottom right box "Positive", deleted 'Cfl to inform DH and Defra', added 'Follow SOP for notification of testing to DH.'
02 May 2006	Title changed to more accurately reflect situation in which algorithm should be used.

F3: WHO PANDEMIC ALERT PHASE 3: Algorithm for the management of persons resident in the UK or arriving from areas not known to have avian influenza H5N1 presenting with febrile respiratory illness after close contact with sick, dying or dead birds: recognition, investigation and initial management.

Date	Change
30 Aug 2007	Following changes were made: <ol style="list-style-type: none"> 1. In the top right box, under “(3) Exposures”, added ‘...live (well) ...’ to status of birds; 2. In the second box on the right hand column, added ‘Follow SOP for notification of testing to DH’; 3. In the second diamond box in the middle right section, footnote 7 was added ‘Standard adult treatment dose=75mg bd unless expert advice is to increase dose.’ 4. In the bottom right box “Positive”, added ‘Follow SOP for notification of testing to DH.’
06 Sep 2006	Added “close contact with a confirmed H5N1 infected animal other than poultry or wild birds (e.g. cat or pig)” in section “(3) Exposures” according to WHO case definitions (see reference 2).
19 Jun 2006	New algorithm developed to address need to separate ‘travel to areas known to have H5N1 infection’ from ‘travel to areas not known to have H5N1 (ie the Americas and Australasia) and residents in the UK’.

J3: WHO PANDEMIC ALERT PHASE 3: Algorithm for the management of persons resident in the UK or arriving from areas not known to have avian influenza H5N1 presenting with febrile respiratory illness after close contact with sick, dying or dead birds: recognition, investigation and initial management.

Date	Change
30 Aug 2007	Following changes were made: <ol style="list-style-type: none"> 1. In the second box on the right hand column, added ‘Follow SOP for notification of testing to DH’; 2. In the second diamond box in the middle right section, a footnote No. 4 was added ‘Standard adult treatment dose=75mg bd unless expert advice is to increase dose.’ 3. In the bottom left box “Negative”, added ‘... for minimum of 10 days in total or until 7 days after last exposure (whichever is the longer). Follow-up until symptoms resolve if alternative diagnosis is not established.’ 4. In the bottom right box “Positive”, deleted ‘Cfl to inform DH and Defra’, added ‘Follow SOP for notification of testing to DH.’
05 Feb 2007	First published.