**Report Summary**

<table>
<thead>
<tr>
<th>Name of sender of the report</th>
<th>Mr Tarun Shridhar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telephone</td>
<td>+91 11 23382608</td>
</tr>
<tr>
<td>Position</td>
<td>Secretary</td>
</tr>
<tr>
<td>Address</td>
<td>Room no. 218, Krishi Bhawan, Dr Rajendra Prasad Road New Delhi 11 0 001</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:secyahd@nic.in">secyahd@nic.in</a></td>
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</tbody>
</table>

| Date submitted to OIE        | 21/02/2019        |

**Animal type**

- Terrestrial

**Date of report**

- 21/02/2019

**Disease**

- Highly pathogenic influenza A viruses (infection with) (non-poultry including wild birds)

**Date of start of the event**

- 15/12/2018

**Causal Agent**

- Highly pathogenic influenza A virus

**Date of confirmation of the event**

- 21/12/2018

**Serotype(s)**

- H5N1

**Date of last occurrence**

- 05/06/2018

**Reason**

- Recurrence of a listed disease

**Country or zone**

- the whole country

**Clinical signs**

- Yes

**Number of reported outbreaks**

- submitted= 9, Draft= 0

<table>
<thead>
<tr>
<th>State</th>
<th>Number of outbreaks</th>
<th>District</th>
<th>Village/Block</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date:</th>
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</thead>
<tbody>
<tr>
<td>Bihar-other report - submitted</td>
<td>-</td>
<td>Munger</td>
<td>Jamalpur</td>
<td>Not applicable</td>
<td>Mubarakchak</td>
<td>25.3652</td>
<td>86.4922</td>
<td>15/12/2018</td>
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<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Killed and disposed of</td>
<td>Slaughtered</td>
<td></td>
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<tr>
<td>House Crow-Corvidae(Corvus splendens)</td>
<td>Animals</td>
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<th>End Date:</th>
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<tbody>
<tr>
<td>Orissa-other report - submitted</td>
<td>-</td>
<td>Nayagarh</td>
<td>Nayagarh</td>
<td>Not applicable</td>
<td>Muthagadia</td>
<td>20.1153</td>
<td>85.0725</td>
<td>16/12/2018</td>
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<tr>
<td>Species</td>
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<th>Longitude</th>
<th>Start Date</th>
<th>End Date:</th>
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<tbody>
<tr>
<td>Bihar-other report - submitted</td>
<td>-</td>
<td>Patna</td>
<td>Patna Zoo Patna (Sanjay Gandhi Zoological Park)</td>
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<td>85.09889</td>
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<td>16/12/2018</td>
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<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Killed and disposed of</td>
<td>Slaughtered</td>
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<tr>
<td>Indian Peafowl-Phasianidae(Pavo cristatus)</td>
<td>Animals</td>
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<td>6</td>
<td>6</td>
<td>0</td>
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<th>Longitude</th>
<th>Start Date</th>
<th>End Date:</th>
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<tr>
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<td>-</td>
<td>Cuttack</td>
<td>Cuttack Ward no. 44</td>
<td>20.454265</td>
<td>85.879212</td>
<td>18/12/2018</td>
<td>18/12/2018</td>
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<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
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<tr>
<td>House Crow-Corvidae(Corvus splendens)</td>
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**Outbreak details**

**Affected Population**

**Number of reported outbreaks**

- submitted= 9, Draft= 0

**Outbreak state**

**State**

- Bihar

**Number of outbreaks**

- submitted= 9, Draft= 0

**District**

- Munger

**Village/Block**

- Jamalpur

**Unit Type**

- Not applicable

**Location**

- Mubarakchak

**Latitude**

- 25.3652

**Longitude**

- 86.4922

**Start Date**

- 15/12/2018

**End Date**

- 15/12/2018

**Affected Population**

**Number of reported outbreaks**

- submitted= 9, Draft= 0

**Outbreak state**

**State**

- Orissa

**Number of outbreaks**

- submitted= 9, Draft= 0

**District**

- Nayagarh

**Village/Block**

- Nayagarh

**Unit Type**

- Not applicable

**Location**

- Muthagadia

**Latitude**

- 20.1153

**Longitude**

- 85.0725

**Start Date**

- 16/12/2018

**End Date**

- 16/12/2018

**Affected Population**

**Number of reported outbreaks**

- submitted= 9, Draft= 0

**Outbreak state**

**State**

- Bihar

**Number of outbreaks**

- submitted= 9, Draft= 0

**District**

- Patna

**Village/Block**

- Patna

**Unit Type**

- Zoo

**Location**

- Patna (Sanjay Gandhi Zoological Park)

**Latitude**

- 25.59945

**Longitude**

- 85.09889

**Start Date**

- 16/12/2018

**End Date**

- 16/12/2018

**Affected Population**

**Number of reported outbreaks**

- submitted= 9, Draft= 0

**Outbreak state**

**State**

- Orissa

**Number of outbreaks**

- submitted= 9, Draft= 0

**District**

- Cuttack

**Village/Block**

- Cuttack

**Unit Type**

- Not applicable

**Location**

- Cuttack municipality, Ward no. 44

**Latitude**

- 20.454265

**Longitude**

- 85.879212

**Start Date**

- 18/12/2018

**End Date**

- 18/12/2018

**Affected Population**

**Number of reported outbreaks**

- submitted= 9, Draft= 0

**Outbreak state**
<table>
<thead>
<tr>
<th>State</th>
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<tbody>
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<td>Oriissa-other report -</td>
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<tr>
<td>Bihar- (this report -</td>
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<td>Jehanabad</td>
<td>Jehanabad Sadar</td>
<td>Not applicable</td>
<td>Collector Office Campus, Jehanabad</td>
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<td>84.996358</td>
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</tbody>
</table>

Species: Crow:Corvidae(Corvus splendens)

Affected Population

Follow-up report No.: 2, Report reference: , OIE Ref: 29632, Report Date: 21/02/2019, Country: India

Printed on: Thu Feb 21 19:17:13 AST 2019

Page 2/4
Outbreak summary: Total outbreaks = 9 (Submitted)

<table>
<thead>
<tr>
<th>Species</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Killed and disposed of</th>
<th>Slaughtered</th>
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<tbody>
<tr>
<td>House Crow</td>
<td>102</td>
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<td>0</td>
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<tr>
<td>Indian Peafowl</td>
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<td>0</td>
<td>0</td>
<td>0</td>
</tr>
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<td>Indian Pond Heron</td>
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Epidemiology

Epidemiological comments

Source of the outbreak(s) or origin of infection
• Unknown or inconclusive

Measures applied

Applied
• screening
• official disposal of carcasses, by-products and waste
• disinfection

To be applied
• no planned control measures

Animals treated

Vaccination Prohibited

Yes

Diagnostic test results

<table>
<thead>
<tr>
<th>Laboratory Type</th>
<th>Name of Laboratory</th>
<th>Species</th>
<th>Test Type</th>
<th>Date results provided</th>
<th>Result</th>
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<tbody>
<tr>
<td>OIE Reference Laboratory</td>
<td>National Institute of High Security Animal Diseases, Bhopal</td>
<td>House Crow</td>
<td>real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)</td>
<td>06/02/2019</td>
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Future Reporting
The event is continuing. Weekly follow-up reports will be submitted.
Outbreak maps