

Exercise on Micro Plan for Managing Cluster of Human Cases of AI/PI

There has been an outbreak of avian influenza in the Indraghat district of Poorvanchal State which later spread to the adjoining Passighat district. 48 epicentres located in six blocks have been identified. Animal Health Department is facing challenges in containing the outbreak and containment operations are still on. The community cooperation is very limited. The intelligence report has warned that the population is getting increasingly exposed.

Three cases of fever with cough were admitted to the Passighat district hospital two weeks back. Two of them, Alok and Lokesh belong to Rajshahi, a recently affected village. Both are related and shared a common work area. Lokesh was involved in the culling operations. Alok developed bilateral patchy pneumonia. The rapid test for influenza A has been positive for both. The RT-PCR test done at National Institute of Virology (NIV), Pune was found to be positive for H5N1 on testing clinical samples from Lokesh. Both cases were started on oseltamivir and survived.

Three days back, the sister of Alok and her three year old daughter were admitted with fever, cough and breathing difficulty. NIV, Pune has informed that RT-PCR for H5N1 is positive for both. Three of Lokesh's colleagues, who shared workspace with him, are also complaining of symptoms of influenza like illness.

Using the available epidemiological evidence, NICD has given its technical opinion that the cases constitute an epidemiologically linked cluster and need to be managed accordingly. The State Health Secretary has requested the Centre to send a high level team. The state has also got assurance from the Central Government that adequate quantity of oseltamivir, PPE and additional ventilators would be sent.

The Rapid Response Team (RRT) of the Poorvanchal State Health Services has been directed to immediately proceed to Rajshahi in Passighat district. The next day the team comprising of State IDSP Nodal Officer, Physician from Poorvanchal Medical College and Microbiologist from State Public Health Laboratory reach Passighat. They meet Dr. Krishna Kumar, the District Collector and proceed immediately to Rajshahi.

The RRT needs to immediately prepare a micro plan for containment of the cluster of human cases of AI.

You as the team leader of the RRT have to finalise the micro plan.

Exercise

- Prepare a draft micro plan