

Updated on 09/03/2010

Situation of Influenza Pandemic (H1N1) 2009 (Swine Flu)

Bangladesh Situation

■ First case of Influenza A H1N1 (Swine Flu) was identified in Bangladesh on 18th June 2009. Since then **Eight Hundred and Forty Five (845)** cases have been identified (as of 09-03-10). **Six** laboratory confirmed patients have died (as of 09-03-10)

■ Hospital facilities ready for treatment

Government Hospital in Dhaka City

1. Dhaka Medical College & Hospital (DMCH)
2. Sir Salimullah Medical College & Hospital
3. Shahid Suhrawardy Medical College & Hospital
4. National Institute for Disease of Chest and Hospital (NIDCH)
5. Infectious Disease Hospital (IDH)

Private Hospitals in Dhaka City

1. Bangabandhu Sheikh Mujib Medical University
2. BIRDEM
3. Bangladesh Medical College Hospital, Dhanmondi
4. Uttara Adhunik Hospital, Uttara
5. Holy Family Medical College Hospital
6. Dhaka National Medical College Hospital
7. Dhaka Shishu Hospital
8. Shahabuddin Medical College Hospital

Dhaka City Corporation:

1. Mohanogor Shishu Hospital
2. Mohanogor General Hospital (Karmajibi Hospital)

Dhaka City Corporation Health Care Centers run by NGOs: 95 Centers

All Medical College Hospitals, all Modernised Hospital, 6 non-govt hospital where sentinel surveillance for influenza is going on (listed below), all District Sadar Hospital, all Upazilla Health Complex.

■ Influenza surveillance is being conducted since 2007 in 12 hospitals covering all the 6 administrative divisions of the country.

6 Govt. hospitals:

Rajshahi Medical College
SZR Medical College (Bogra)
Khulna Medical College
Sher-E-Bangla Medical College (Barisal)
Comilla Medical College
Jessore General Hospital

6 Private hospitals:

Dhaka National Medical College Hospital

USTC Chittagong
Bajitpur ZI Medical College
Mymensingh Community Based Medical College
LAMB Hospital (Dinajpur)
Ragib Rabeya Medical College (Sylhet)
A community site is also functioning in Kamalapur, Dhaka since 2004.

Since September 2009 DMCH and NIDCH has been included in sentinel surveillance

This surveillance system is helping us to understand the spread and type of influenza virus circulating in this country.

- The National Rapid Response Team (NRRT) is under 7/24 alert and conducting investigation of reported cases of suspected Influenza A (H1N1)
- The Civil Surgeons of all districts are directed by the Director General of Health Services to keep themselves prepared for tackling the situation. They are being updated regularly on Pandemic Influenza H1N1 2009.

Preparation of Bangladesh

■ Screening at Ports

- Health Support Desks are functioning and screening of suspected swine flu patient at 16 ports (3 Airports, 2 Sea ports and 11 land ports) started on 29/04/2009
- Orientation for the airport, seaport and land port physicians and Health Workers conducted
- Orientation of Immigrations Official of ZIA have completed
- Till date (26 September, 2009) more than 2,61,016 passengers were screened from all the Point of Entries (PoEs).

■ Stockpile of Drugs, Masks, PPE

- 22,90,240 Oseltamivir (the antiviral capsules) are in DGHS stock; 3,41,549 are in districts
- 1,70,000 surgical mask, in addition 20,000 masks with WHO Country Office. More than 5,00,000 surgical masks are in pipeline
- 8,000 N95 mask
- 57,000 Personal Protective Equipment (PPE) also been stockpiled at districts and central level.

■ Hospital Facility Preparedness

- Influenza ward at Chest Disease Hospital (NIDCH) at Mohakhali are ready to tackle severe cases
- Isolation units at 30 district hospital has already been completed and by the end of the year all district hospitals will have the isolation unit ready
- Infectious disease hospital at Dhaka will also be used for the management of severe patients
- Separate Outdoor and Indoor facilities at hospitals are being prepared. The hospitals are all govt. Medical College Hospitals, Infectious Disease Hospital, National Institute for Diseases of Chest and Hospitals etc. Six sentinel hospitals: Dhaka National Medical College & Hospital, University of Science and Technology (Chittagong), Rajshahi Medical College

Hospital, Khulna Medical College Hospital, Jalalabad Ragib Rabeya Medical College Hospital (Sylhet), Sher-e Bangla Medical College Hospital (Barisal).

■ **Laboratory Facilities**

- Bangladesh is well capable of diagnosis of Influenza A H1N1 (swine influenza) at the government Laboratory of Institute of Epidemiology, Disease Control and Research (IEDCR) with Realtime RT-PCR to provide preliminary lab results within 24 hours. IEDCR is National Influenza Center (NIC), Bangladesh nominated by WHO.
- IEDCR and ICDDR B are the laboratories where this test can be done.
- Have enough Diagnostic kits
- Interim arrangements have been made with CDC (USA) and WHO for confirmatory diagnosis.
- BSL3 laboratories at IEDCR will be functioning very soon.

■ **Patient Management Capabilities**

- About 5000 physicians have already been trained on Bird Flu/Pandemic Influenza. Reorientation of 1232 doctors and other officials on H1N1 influenza has been done from 29-04-09 till date
- A guideline for the clinical management of H1N1 influenza is already in use.

■ **Community preparedness**

- Govt health facility doctors has been oriented to advise people in the community
- 2,26,100 community volunteers were trained for making people aware about Bird Flu/Pandemic Influenza
- Training of Red Crescent Health Personnel was done to work in pandemic situation.

■ **Risk Communication**

- Risk communication is being conducted according to communication strategy
- Leaflets are distributing to all passengers at every port of entry.
- Banners with health messages are in display at every ports
- Health messages developed and are being broadcasted through mass media
- Posters, leaflets have been printed and distributed

■ **Resources**

- A website (www.iedcr.org) is running with updated information for physicians, health workers and people
- Hotline of NRRT has been operating on 7/24 basis for senior health managers upto Civil Surgeon level

■ **Pandemic Plan**

- 2nd National Avian and Pandemic Influenza Preparedness and Response Plan, Bangladesh was approved
- A Pandemic action plan has been drafted and will be placed in the meeting of National Technical Committee. #