

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 **One Thousand Three Hundred and Sixty Nine (1369)** cases have been identified (as of 05-09-10). Among those **557** have been identified in 2010. **Eight** laboratory confirmed patients have died (as of 05-09-10)

Month wise statistics of H1N1 case detection by surveillance in 2010

Year	Month	Cases	Deaths
2009	June-December	812	6
2010	January	3	
	February	12	
	March	72	
	April	98	1
	May	56	
	June	62	
	July	129	
	August (till 29 th August)	125	1
	Total (in 2010)	557	2

Influenza surveillance is being conducted since 2007 in 12 hospitals covering administrative divisions of the country in collaboration with IEDCR and ICDDR, B.

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.

IEDCR started its National Influenza Surveillance, Bangladesh (NISB) from April 2010 in 14 district hospitals.

Name of Districts

1. Thakurgaon
2. Gaibandha
3. Naogaon
4. Sirajganj
5. Kushtia

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6. Satkhira
7. Netrokona
8. Narshingdi
9. Faridpur
10. Habiganj
11. Jhalokathi
12. Feni
13. Rangamati
14. Cox's bazaar

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

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

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 ICDDRB are the laboratories where this test can be done.
- Have enough Diagnostic kits

Patient Management Capabilities

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- 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
- 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 up to 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.