



India's Response to Influenza A H1N1

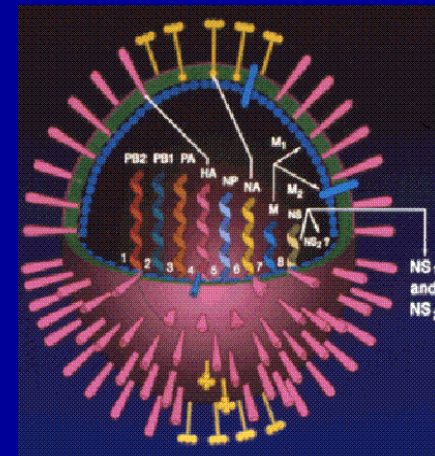
National Communication Workshop on Pandemic Influenza

Dr. Shiv Lal, Spl. DGHS(PH)
Directorate General of Health Services,
Ministry of Health & Family Welfare, Govt. of India

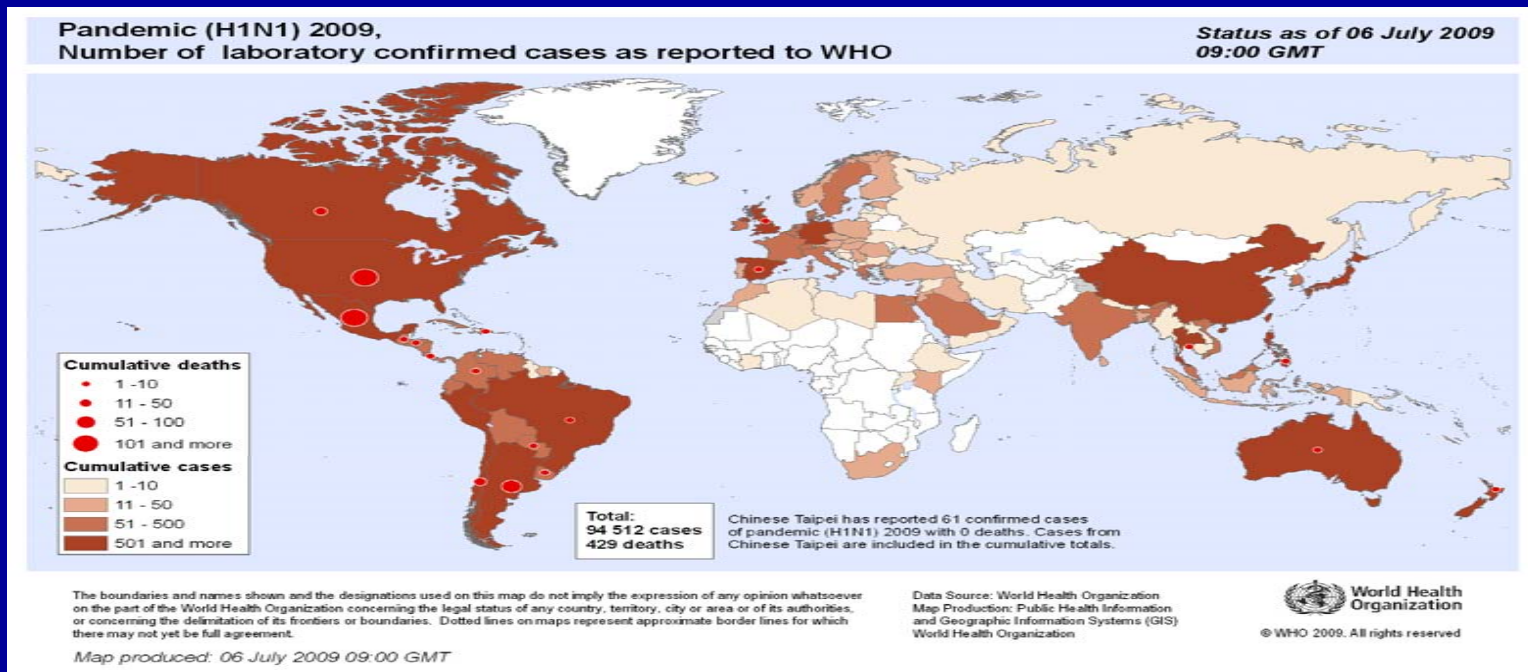
23 July 2009

Influenza A H1N1 2009

2009 Influenza A H1N1 outbreak is the epidemic spread of a novel strain of a type of influenza A (H1N1) virus that was clinically identified in April 2009.



Global Scenario



World Health Organization has reported Laboratory 94,512 confirmed cases of influenza A H1N1 infection from 135 countries as on 6.7.09. There have been 429 deaths. WHO has stopped counting the numbers since 6th July 2009

Indian Scenario

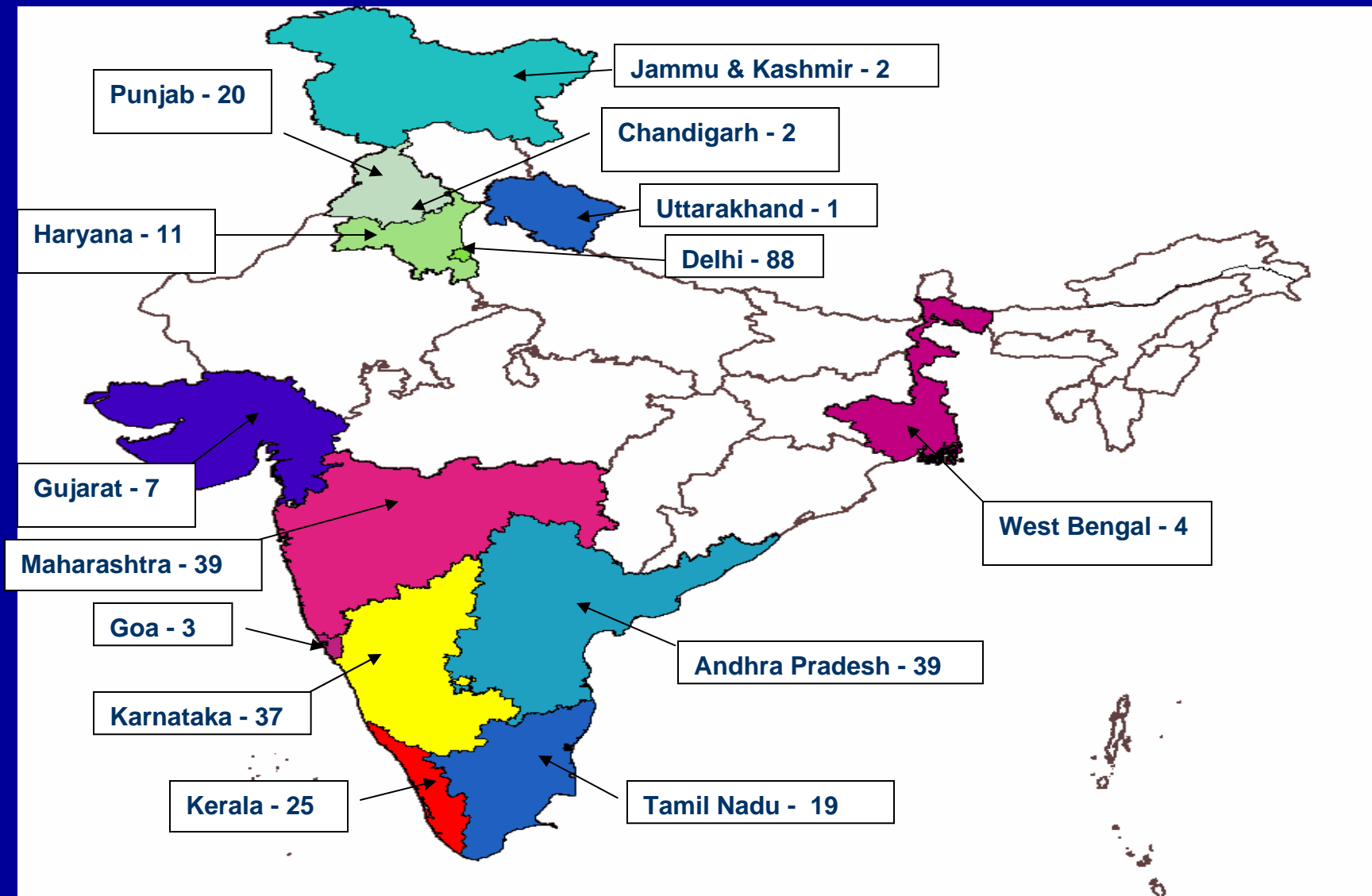
- The first case of influenza A H1N1 was reported in India on 11.05.09 from Hyderabad
- The status as on 21.07.09



Total No. of positive cases	Indigenous cases	Admitted	Discharge
322	66	88	234

No. of self reported cases = 168
No. of cases detected during Airport screening = 86
No. of cases identified thru contact tracing = 68

Indian Scenario contd...



Response by GOI (MOH&FW)

Early detection, investigation and containment of cases of influenza A H1N1

- Entry screening instituted at 22 international Airports for all passengers.
- Various government hospitals including 11 hospitals in Delhi have been recognized for isolation and management of suspected and confirmed cases.
- NICD, Delhi and NIV, Pune have been identified for testing of suspected cases of H1N1 influenza .
- Early administration of Tamiflu to all confirmed cases has helped in timely containment of cases

Airport Screening



Training and equipping manpower to investigate and contain number of cases

- Training on PPE and sample collection of clinicians, private practitioners and microbiologists has been completed for Influenza A H1N1.
- Training was conducted at NICD and Maulana Azad Medical College.

Strengthening of health care infrastructure

- Upgradation of isolation facilities in different parts of the country
- Strengthening of infection control practices in health care settings and laboratories



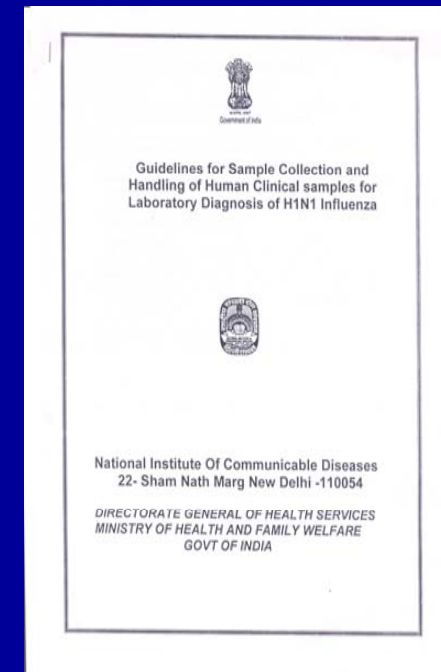
Stockpiling of antiviral drugs, PPE, N-95 and triple layered mask & Tamiflu

- All the 19 Regional Directors (H&FW), Govt. of India have been supplied with adequate amount of PPE, N-95, Triple layered mask and Tamiflu tablets as well as syrup for the states catered by them for any emergency situation .
- All the State surveillance units of IDSP have been stockpiled with sufficient amount of Viral transport media for all their districts .



Preparation of guidelines and standard operating procedures (SOPs)

Guidelines and standard operating procedures (SOPs) on different issues regarding H1N1 including lab investigations and sample collection and transportation, self health assessment, CD-Alert, do's and don'ts, travel advisory have been prepared by the MOHF& FW and available on www.mohfw.nic.in



Management of cases & Increasing awareness

- Adequate isolation facilities for suspected cases as well as contacts
- Prompt and early lab diagnosis
- Timely administration of antiviral drugs
- Maintaining adequate stocks of antiviral drugs

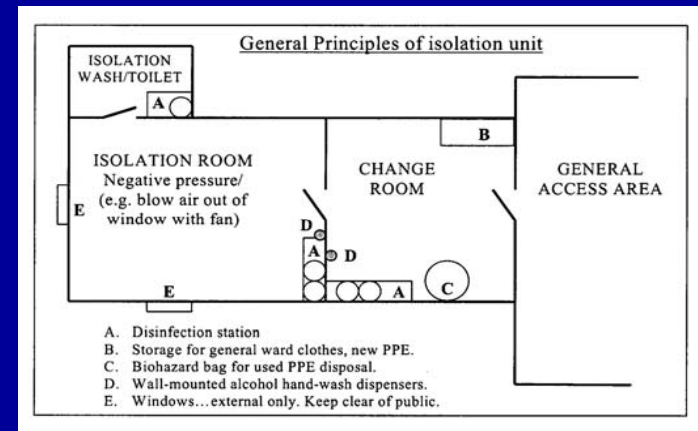
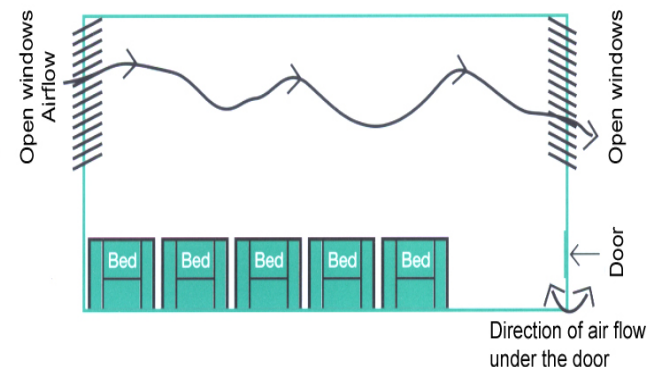


Figure 2. Natural ventilation; free flow of ambient air in and out through open windows.



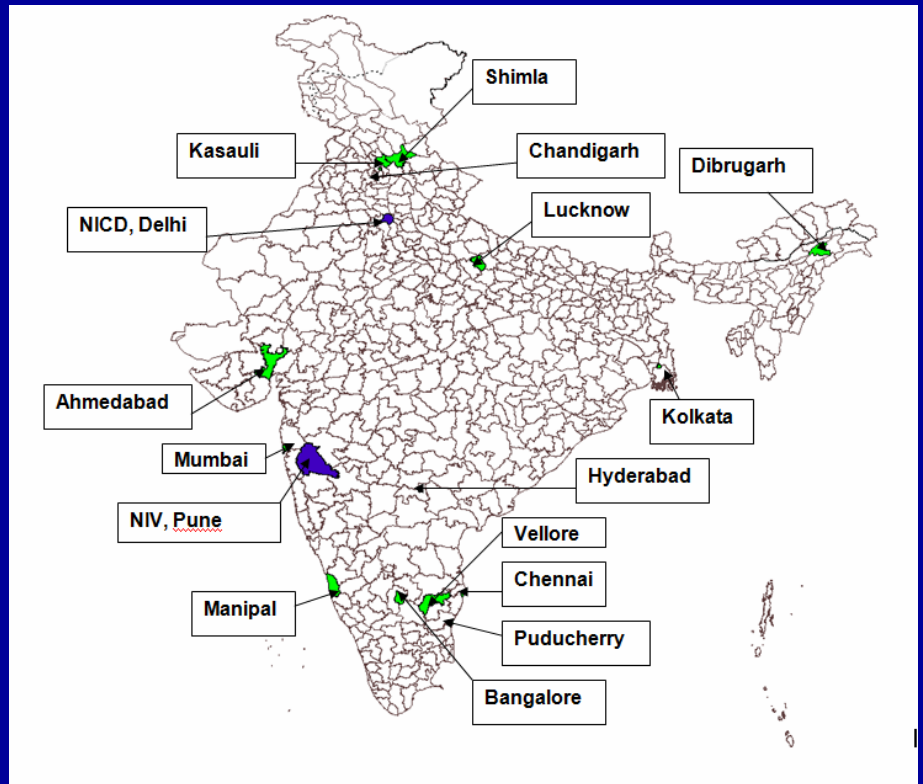
Management of cases & Increasing awareness

- Increasing awareness amongst community and health workers by creating a 24 X 7 helpline (011 23921401)
- IEC material prepared with support of UNICEF



18 Influenza Lab Network

- 18 Laboratory AI Lab network is established for the testing for influenza A H1N1 and these labs are operational and are under validation.
- Training of microbiologists and lab technicians completed



Contact Tracing

- Contact tracing is being done through the state units of Integrated Disease Surveillance Project (IDSP).
- Self Health Monitoring Performa is being used and available on www.mohfw.nic.in

NATIONAL INSTITUTE OF COMMUNICABLE DISEASES
22-SHAM NATH MARG, DELHI-110054

SELF HEALTH MONITORING PROFORMA
(To be filled by those who are health care provider including laboratory staff or others who comes in contact with Influenza H1N1 case virus)

Name Age Sex

Complete Address.....Tel. No. Mob No.

Date (s) of exposure Type of exposure (Please specify and tick) (Laboratory/patient/any other)

Day of exposure	Date	Morning Oral Temperature	Evening Oral Temperature	Development of any other symptoms e.g. Cough, Sore Throat, Bodyache, chills, Vomiting, Diarrhea, if any other (Please specify)
1				
2				
3				
4				
5				
6				
7				

Date and other details of treatment started

Any other investigation.....

Any similar complaints in family member residing with your self

Name & Signature
Organization

Note: Please return the proforma duly filled in to Outbreak Monitoring Cell, NICD, Delhi-110054 – Fax No.23921401

Enhanced Surveillance

- All states have been alerted to heighten the level of ILI surveillance
- Immediate reporting of clusters of ILI and that of pneumonia through IDSP state units.
- Central and state response teams have been formed for investigation and management of suspected outbreaks.
- Medical practitioners have been sensitized through print media to report any cluster of ILI to toll free no.1075
- NICD, Delhi and NIV, Pune identified labs for testing clinical samples of suspected cases

Monitoring of situation by Govt. of India

- Committee of Secretaries (CoS) under the chairmanship of Cabinet Secretary
- Inter Ministerial Task Force (IMTF) under the chairmanship of Secy. (H&FW)
- Joint Monitoring Group (JMG) under the chairmanship of DGHS

Suggested approaches

- **Current context- sustainable, practical options**
 - Self-monitoring/health seeking (better compliance)
 - Home/voluntary isolation in case of ILI
 - Behavioral change communication-hygiene practices
 - Hospital care for severe illness
- **Adapt response measures based on status of outbreak**
 - Imported - objective to stop spread
 - Local/limited spread - contain further spread
 - Community outbreak - mitigation of impact
- **Sustained community outbreak-** focus on clinical diagnosis; lab test sample of cases (not all cases)

Pandemic is currently moderately severe

- **Most people recover from infection without the need for hospitalization or medical care.**
- **Overall, national levels of severe illness from influenza A(H1N1) appear similar to levels seen during local seasonal influenza periods, although high levels of disease have occurred in some local areas and institutions.**
- **Overall, hospitals and health care systems in most countries have been able to cope with the numbers of people seeking care, although some facilities and systems have been stressed in some localities.**

ADVICE

Monitor yourself and household members for flu symptoms and if symptoms occur contact a health care provider or call NICD outbreak monitoring cell 011-23921401/1075 or EMR Control Room 23061469



**May Everyone Be Away
from H1N1**



THANK YOU