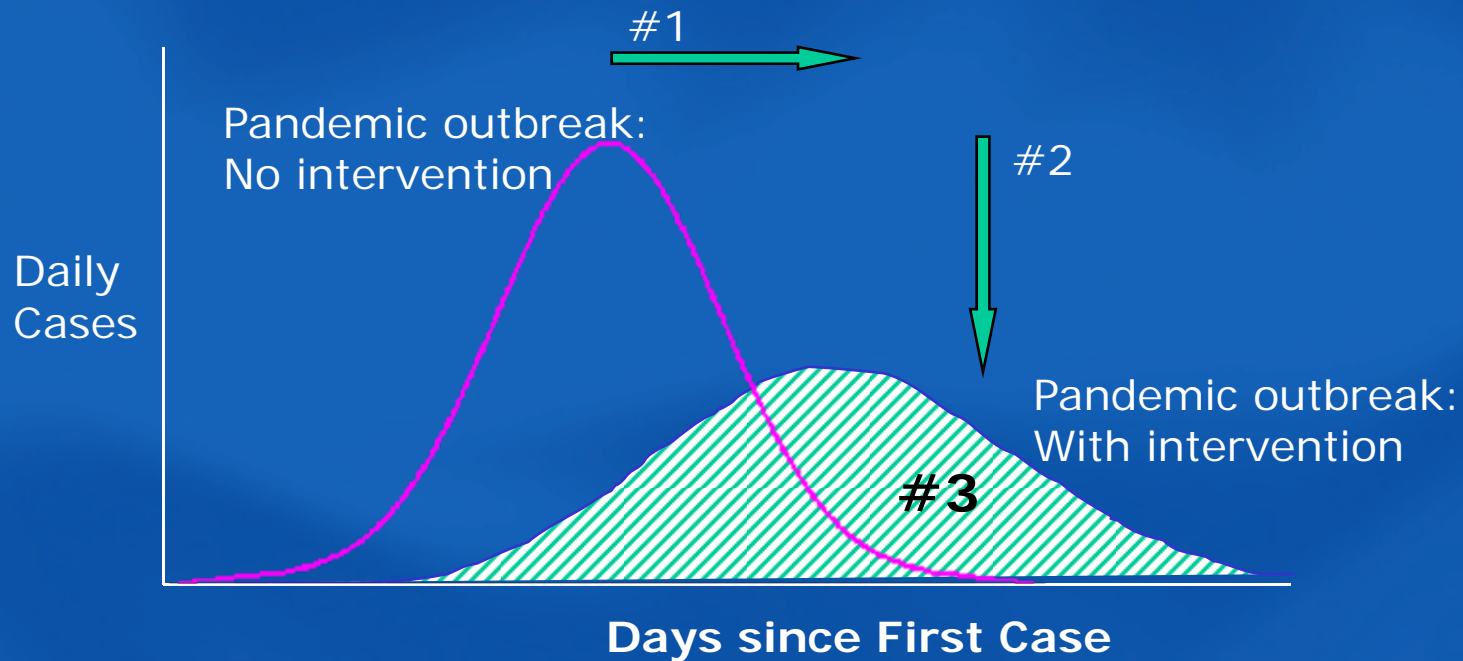


# **Non-pharmaceutical Interventions: Pandemic Phase**

# Non-pharmaceutical Interventions

1. Delay disease transmission and outbreak peak
2. Reduce peak burden on healthcare infrastructure
3. Diminish overall cases and health impact



May be the only intervention available !

# Recommendations for NPI

	Phase 3 (Current)	Phase 4 & 5 (Rapid response)	Phase 6 (Pandemic)
Isolation	Yes	Yes	Yes
Quarantine	No	Yes	Possibly
Identification of contacts	Yes	Yes	No
Health monitoring	Yes	Yes	No
Cordon sanitaire	No	Possibly	No
Facility closure, movement restrictions, cancellation of events	Possibly	Yes	Possibly

# NPI for Pandemic Phase

- ❑ The focus shifts from delaying spread to reducing impact through population based measures
- ❑ Ill persons should remain home when they first become symptomatic
- ❑ Forced isolation and quarantine are ineffective and impractical

# NPI for Pandemic Phase

- ❑ If the pandemic is severe, social distancing measures should be considered.
- ❑ Simple public health measures
- ❑ Mask use should be based on setting and risk,
- ❑ Contaminated household surfaces should be disinfected.

# NPI for Pandemic Phase

## Social Distancing

- ❑ Cancellation of events
- ❑ Closure of schools,
- ❑ Office/ Market Closure
- ❑ Closure of Cinema halls, Theatres, etc.
- ❑ Restrict entry to certain sites/ buildings (Railway station)

# Simple Public health measures

- Infection Control
  - Hand hygiene
  - Cough etiquette
  - Facemasks
  - Staying away from ill persons /when ill
  - Cleaning and disinfection of surfaces should be a way of life to see you and your community through the pandemic period

# NPI for Pandemic Phase

- ❑ Public campaigns to encourage self-recognition of illness and self reporting,
- ❑ Telephone hotlines providing medical advice, and early isolation when potential patients seek health care.
- ❑ Thermal scanning of intercity travelers inefficient in detecting cases.
- ❑ Influenza's shorter serial interval and earlier peak infectivity, presence of mild cases and possibility of asymptomatic cases may make isolation/Quarantine ineffective

# NPI for Pandemic Phase

- ❑ WHO consultation in 1959 concluded that the 1957 influenza pandemic tended to appear first in army units, schools, and other groups with close contacts
- ❑ Reduced incidence in rural areas
- ❑ Avoiding crowding could reduce the peak incidence of pandemic and spread it over many weeks rather than a few weeks

# NPI for Pandemic phase

- ❑ A 1959 WHO consultation concluded, “In the Northern hemisphere at least, the opening of schools after the summer holidays seems to have played an important role in initiating the main epidemic phase”
- ❑ During a 2-week teachers’ strike during an influenza epidemic in Israel in 2000, significant decreases were seen in the rates of diagnoses of respiratory infections; when school reopened, rates rose again.

# NPI for Pandemic phase

## National/ International level

- ❑ Non essential travel deferred
- ❑ Provide information to travelers
- ❑ Self recognition of illness and self reporting
- ❑ Entry/Exit screening
- ❑ Maritime/Airport Quarantine (In the 1918 pandemic, some island countries enacted maritime quarantines that appear to have delayed or prevented the introduction of pandemic influenza.
- ❑ Ban of flights/ ships originating from affected areas

# Communication

- ❑ Informing the public about the health risk
- ❑ Informing the public about measures being taken by authorities
- ❑ Informing the public about what people can do to protect themselves and assist in the emergency response
- ❑ Informing the public about what people should *not* do during the emergency
- ❑ Stockpile of essential food items to last for 15 days

# Non-pharmaceutical Interventions

## Risk Communication

- ❑ Communicate the risk in clear consistent messages
- ❑ Wide spread dissemination through media
- ❑ One source for official information
- ❑ Prevention of incorrect information
- ❑ Allay psychological fear

# **GOT FLU?**

**Protect YOURSELF**

**the ones you LOVE!**

TriState

**Offer people things to do!**

**Thank you**