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Summary of Pandemic Influenza Preparedness Models

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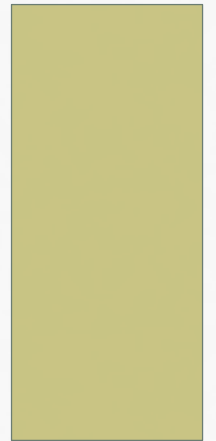
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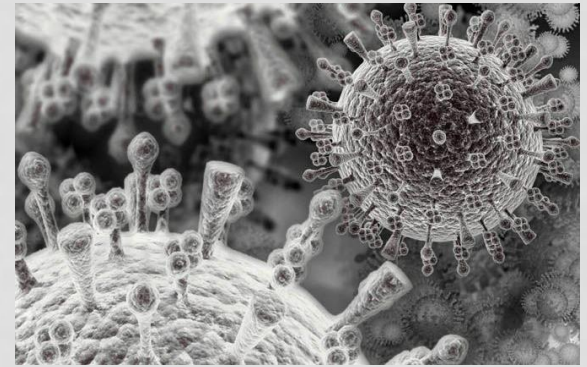
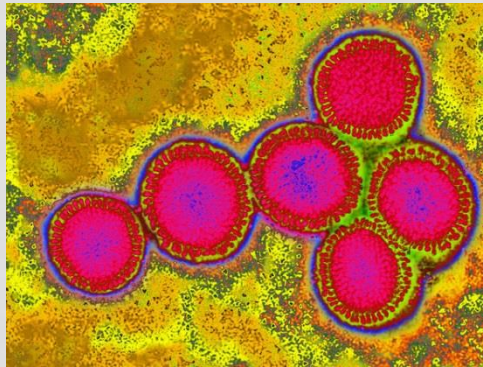
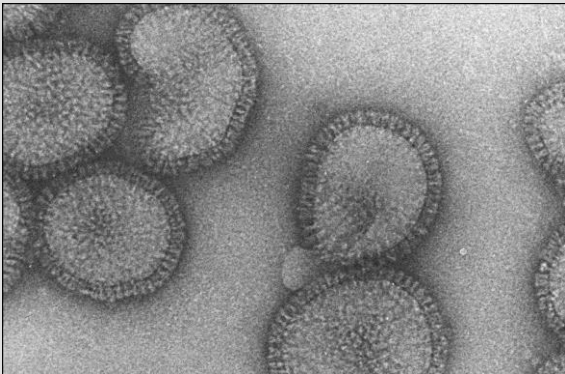
SUMMARY OF PANDEMIC INFLUENCE PREPAREDNESS MODELS

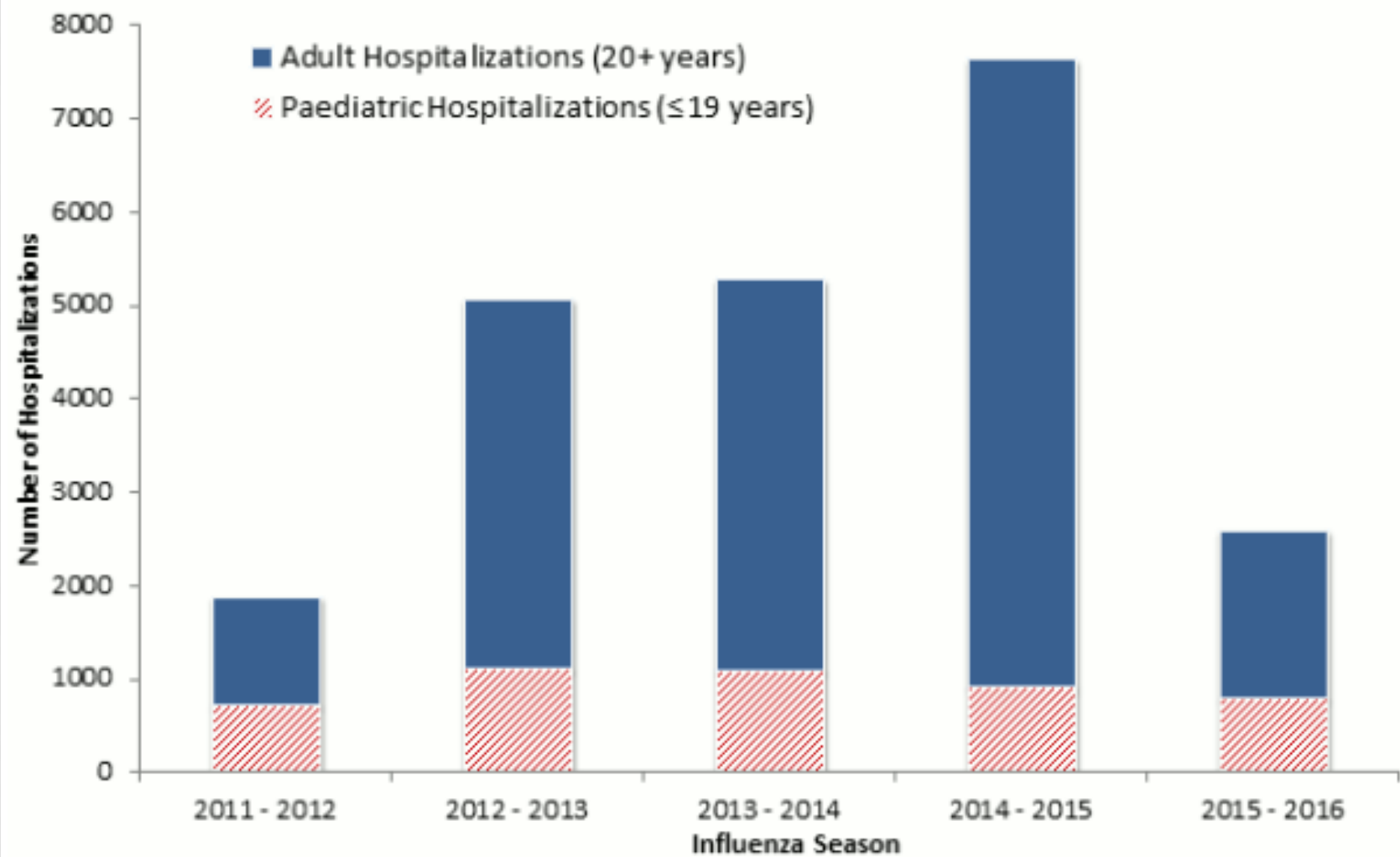
PRESENTED BY: KRISTEN YZERMAN



INTRODUCTION

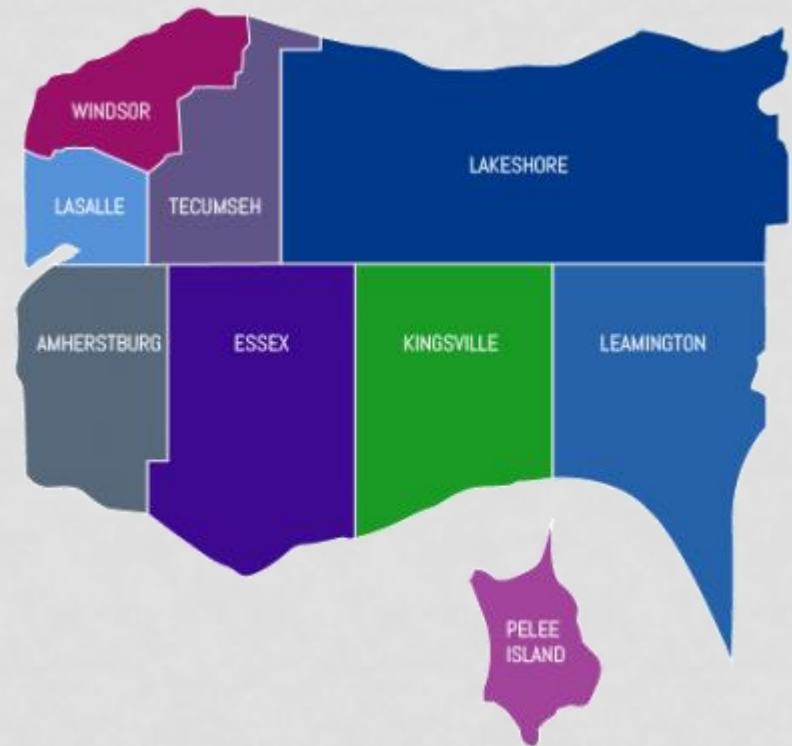
- SARS in 2003 - public health overhaul
- Aim to minimize death and serious illness and to mitigate the economic and social impacts of a pandemic
- H1N1 in 2009 – communication, flexibility





METHODS

- 2005-2015
- Population demographics similar to Windsor-Essex County (WEC)
- Generalizable and comprehensive
- 11 plans selected

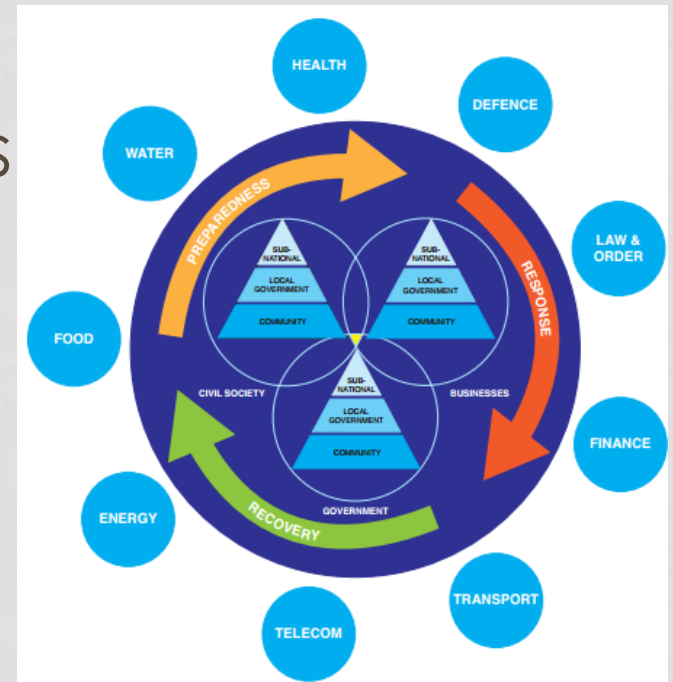


THE FOUNDATION

- The Foundation is made up of 4 components:
 - Guiding Principles
 - Strategic Objectives
 - General Assumptions
 - Roles and Responsibilities

GUIDING PRINCIPLES

- All hazards, whole of society approach
- Strengthening community resilience
- Emphasize communications
- Evidence-based decision making
- Precaution
- Flexibility
- Ethics

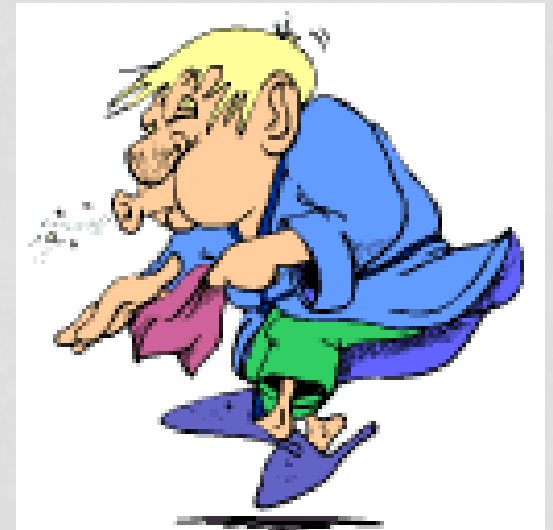


STRATEGIC OBJECTIVES

- *Minimize death and serious illness*
- *Mitigate the economic and social impact*
- Empower the public
- Prevention and control
- Fostering public trust
- Effective use of resources

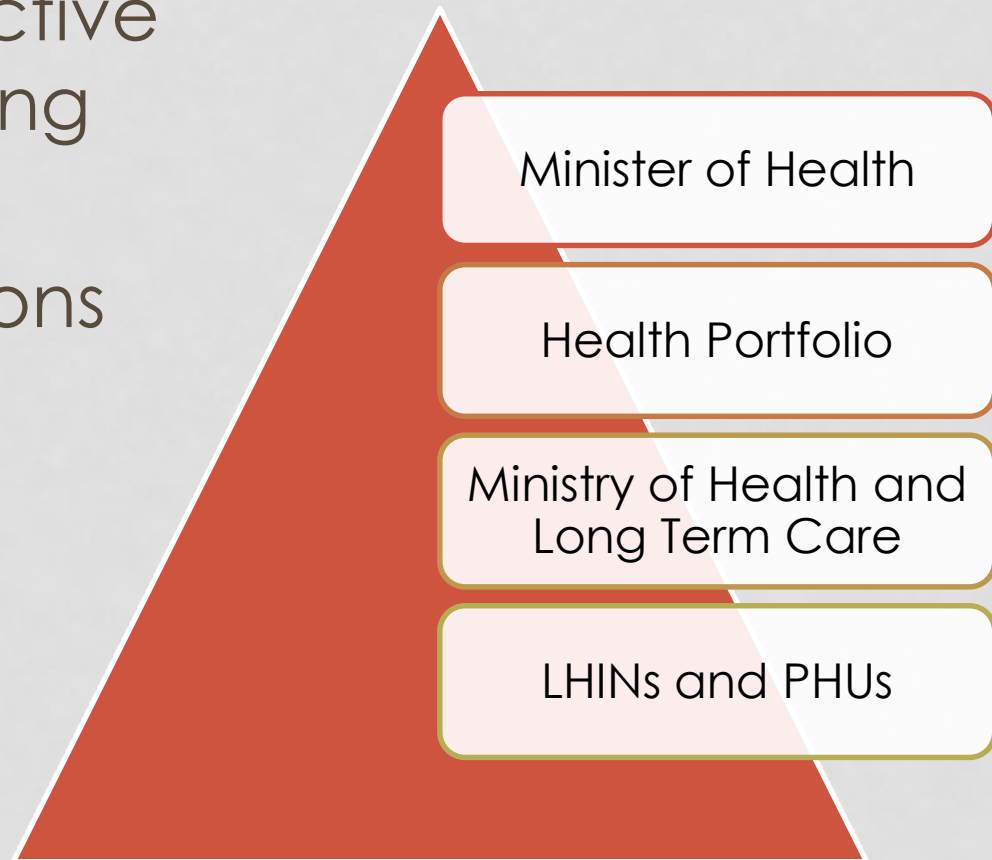
GENERAL ASSUMPTIONS

- Communicability: 24 h prior to symptoms to 5-7 days post symptoms
- 1/3 of the population will be asymptomatic carriers
- 25-45% clinical attack rate
- Symptoms, transmission similar to seasonal
- Antivirals will be first line treatment until a vaccine is developed



ROLES AND RESPONSIBILITIES

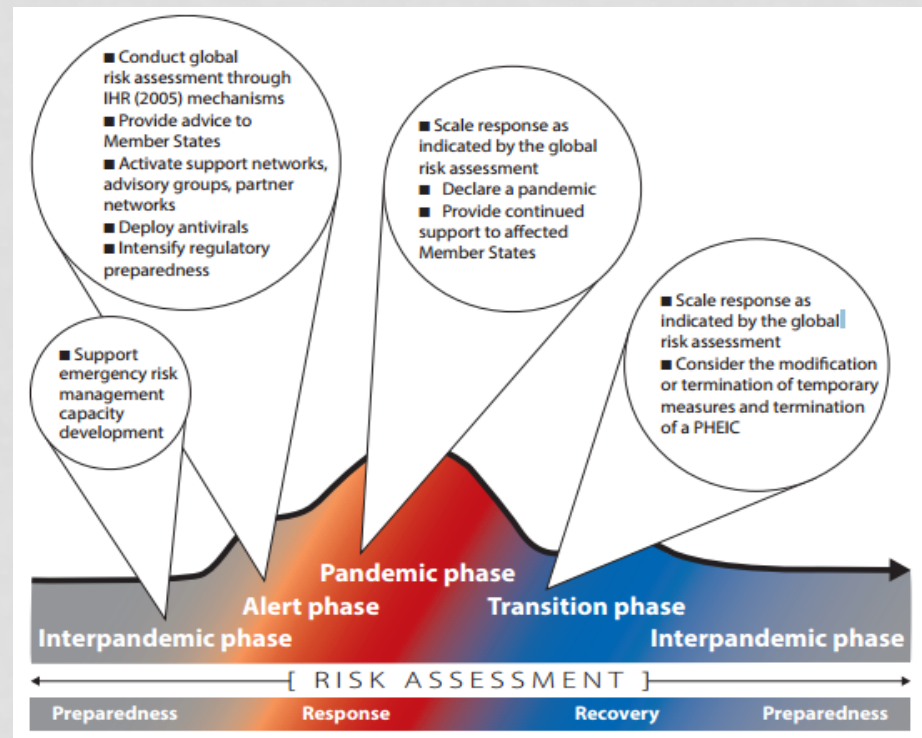
- Clearly outlined to facilitate effective decision making
- Streamline communications



PREPAREDNESS ACTIVITIES

PANDEMIC PHASES

- Facilitate communication
- WHO:
 - Interpandemic
 - Alert
 - Pandemic
 - Transition
- Adopt to regional situation



RISK ASSESSMENT

- Response must be based off a risk assessment
- Allow for flexibility and accommodation
- The WHO conducts a global assessment
- USA developed the IRAT and PSAF

	WHO ⁷	PHAC ¹⁶	IPFW ⁹	DHPIPT ¹³	AGDH ¹²	PHAC/HC ³	PSC ¹¹	MOHLTC ¹⁴	TPH ¹⁵	UNSI ¹⁷	AH ¹⁸
Surveillance & Research	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Community Mitigation	✓	✓	✓	✓	✓		✓	✓	✓		✓
Medical Care & Countermeasures	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Laboratory Services		✓	✓		✓		✓	✓			
Policies, Legislation & Guidelines	✓					✓	✓				
Health Services	✓	✓			✓			✓	✓		✓
Communication	✓	✓	✓	✓	✓	✓		✓	✓	✓	
Infection Control		✓			✓			✓	✓	✓	✓
Emergency & Continuity Planning	✓	✓	✓			✓				✓	
International, National & Regional Collaboration	✓		✓			✓				✓	
Border Activities & Travel				✓	✓		✓				
Personnel & Resource Management	✓				✓		✓				✓

KEY DOMAINS

BY PANDEMIC PLAN

GRAPHICS REFERENCES

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