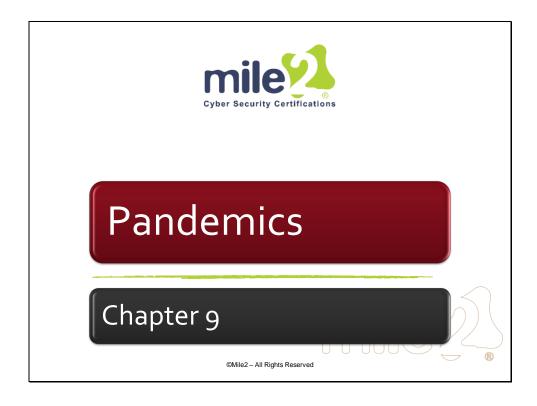
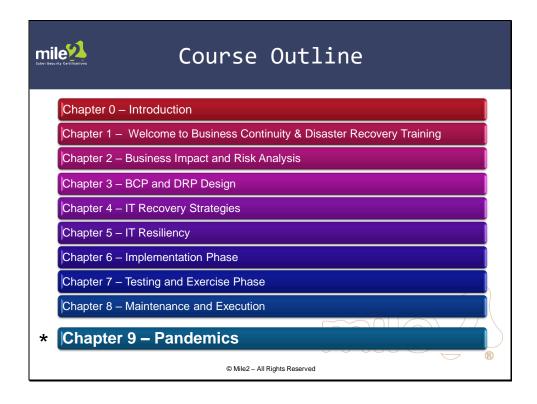
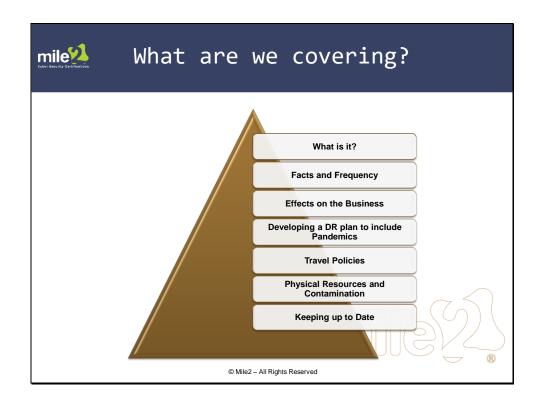
CDRE - Certified Disaster Recovery Engineer
Chapter 9 - Pandemics

Workbook









What is a Pandemic?

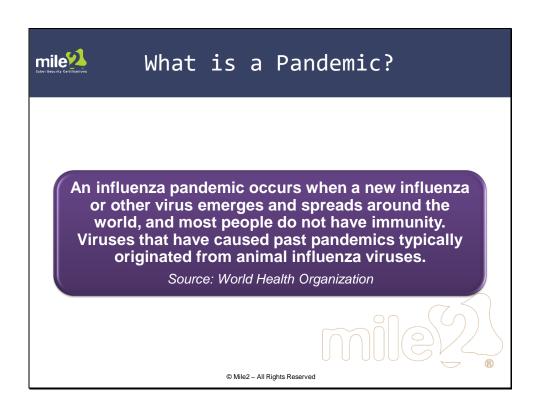
A pandemic (from Greek $\pi \bar{\alpha} v$ pan "all" and $\delta \bar{\eta} \mu o \varsigma$ demos "people") is an epidemic of disease that has spread across a large region; for instance multiple continents, or even worldwide.

A widespread endemic disease that is stable in terms of how many people are getting sick from it is not a pandemic. Further, influenza (flu) pandemics generally exclude recurrences of seasonal flu.

Throughout history, there have been a number of pandemics, such as smallpox and tuberculosis. One of the most devastating pandemics was the Black Death, which killed over 20 million people in 1350.

The most recent pandemics include the HIV pandemic as well as the 1918 and 2009 H1N1 pandemics. Severe Acute Respiratory Syndrome (SARS) was a pandemic in early 2000 as well.

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Quick Facts

Seasonal influenza causes most of its deaths among the elderly while other severe cases occur in people with a variety of medical conditions.

By contrast, the H1N1 pandemic caused most of its severe or fatal disease in younger people, both those with chronic conditions as well as healthy persons.

The impact or severity tends to be higher in pandemics in part because of the much larger number of people in the population who lack pre-existing immunity to the new virus.

The highest levels of activity would be expected to occur usually in the winter months. But as was seen with the H1N1 pandemic, unusual epidemiological patterns and large outbreaks can occur in the summer months.

Source: World Health Organization

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Pandemic Frequency

Influenza pandemics are unpredictable but recurring events that can have severe consequences on societies worldwide. Since the 16th century, influenza pandemics have been described at intervals ranging between 10 and 50 years with varying severity and impact.

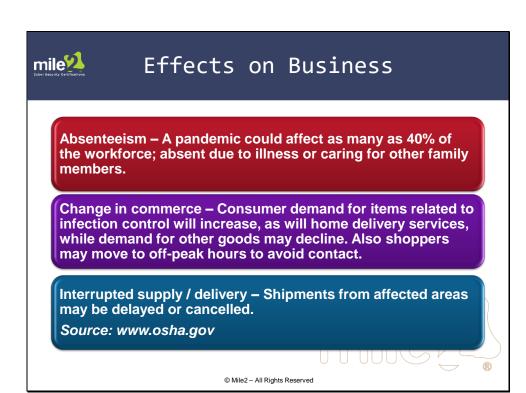
1918 – 1919 "Spanish Flu" 20 – 50 million dead (est.)

1957 – 1958 "Asian Flu" 1 - 4 million dead (est.)

1968 – 1969 "Hong Kong Flu" 1 – 4 million dead (est.)

Source: World Health Organization

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Who Should Plan for Pandemic Influenza?

To reduce the impact of a pandemic on your operations, employees, customers and the general public, it is important for all businesses and organizations to begin continuity planning for a pandemic now.

With 85 percent of the nation's critical infrastructure in the hands of the private sector, the business community plays a vital role in ensuring national pandemic preparedness and response.

The U.S. government has placed a special emphasis on supporting pandemic influenza planning for public and private sector businesses deemed to be critical industries and key resources (CI / KR).

Source: www.osha.gov

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Develop a <u>Disaster</u> Plan

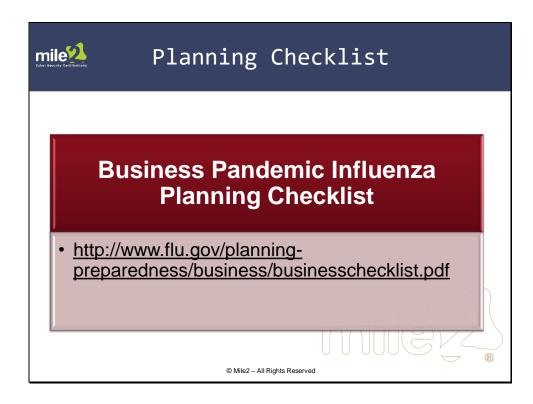
Address employee concerns about sick leave, pay, safety & health.

Provide your employees and customers easy access to infection control supplies.

Provide employee training and education on proper hygiene practices.

Work with your insurance company and local agencies to provide information to employees and customers.

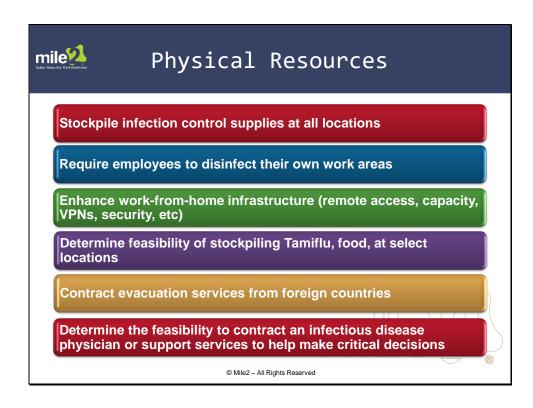
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mile 2 Cyber Security Cardinations	Communications						
Company	office and business status, open or closed						
Status of	local, regional, or key business partners						
Border cl	Border closings and other government actions						
Initiate cr	isis communication plan						
Ongoing	communication to employees, partners						
	mile						
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Contamination

If an employee becomes ill, identify an easily cleaned containment area until EMS arrives. Give them a N-95 mask (respirator) and discard as medical waste after use

EMS -- Emergency medical services.

Cleaning crews should be properly protected and given cleaning instructions on all common non-porous surfaces such as door handles/knobs, light switches, keyboards, mice, elevator buttons, phones, hand rails public phones, wash rooms, etc. Should use hospital grade disinfectant spray and chlorine wipes.

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The simplest plan to minimize spread of infection is to encourage employees to stay home.

• Work-from-home / telecommute support is required.

Must be able to scale up to meet increased utilization.

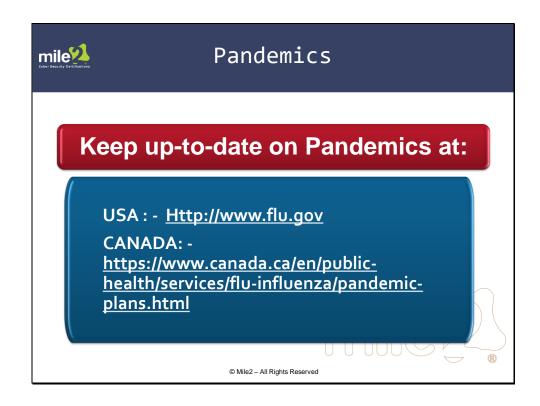
• Prioritize usage – key employees first

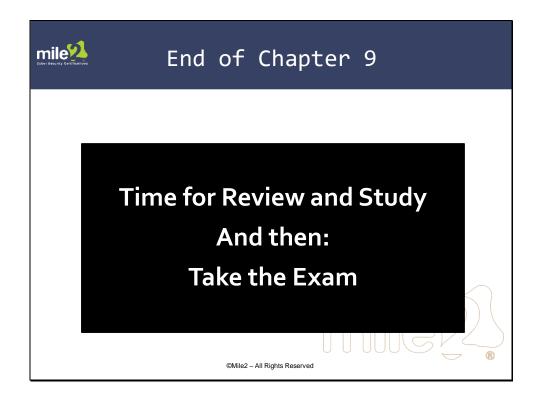
Employee laptops - take home every night

· Appropriate home internet connectivity essential

Consider business process requirements – e.g.: printing, faxing, document access, (identified in the BCP)

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Questions and Answers

Review Questions:

- 1. The Emergency Operations Center (EOC) responsibilities include:
 - A. Conducts tactical operations to carry out the plan
 - B. Directs all resources
 - C. Sets objectives
 - D. Has overall responsibility of incident
 - E. All of the above
- 2. Which is not an essential component for activating the plan by the Emergency Operations Center (EOC)?
 - A. Identify a disaster
 - B. Develop dress code policy for the organization
 - C. Communicate nature of disaster to recovery team members
 - D. Manage information
 - E. Return to business as usual
- 3. Viruses that have caused past pandemics have typically originated from:
 - A. Other humans
 - B. Animals
 - C. Cold weather
 - D. Aliens
- 4. The most devastating pandemic on record in terms of human deaths, was the:
 - A. Spanish Flu 1918 1919
 - B. Asian Flu 1957 1958
 - C. Hong Kong Flu 1968 1969
- 5. True or False: The H1N1 pandemic caused deaths of mostly the elderly, while a typical seasonal flu generally impacts younger people.
 - A. True
 - B. False

Answer Key:

1. E

All of these options are included in the Emergency Operations Center (EOC) responsibilities.

2. B

Developing a dress code policy for the organization is not an essential component for activating the plan by the Emergency Operations Center (EOC).

3. B

Viruses that have caused past pandemics have typically originated from animals.

4. A

The most devastating pandemic on record in terms of human deaths, was the Spanish Flu - 1918 - 1919.

5. B

The statement is false.