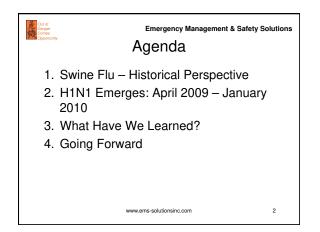
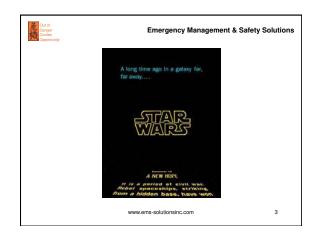


1	Emergency Management & Safety Solutions	
危機	Emergency Management & Safety Solutions What has business continuity learned from the H1N1 pandemic?	
	January 28, 2010	





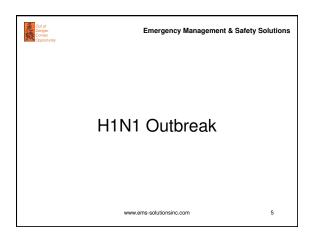


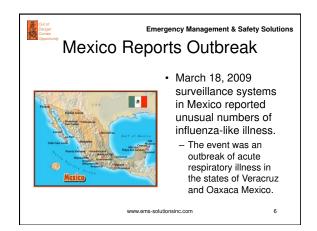


Emergency Management & Safety Solutions

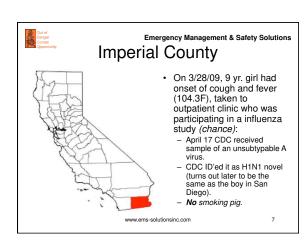
Historical Perspective

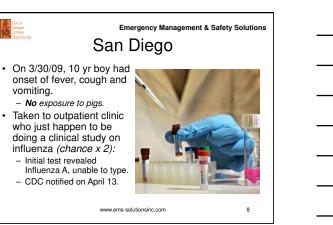
An estimated 58% of the 1407 known human pathogens are
zoonotic, which means that they normally occur in animals but also
infect humans.
Illness with influenza in pigs was first recognized during the
influenza pandemic of 1918.
A swine influenza virus was first isolated from a human in 1974.
In 1976, swine influenza virus caused a respiratory illness with one
fatality among 13 soldiers in Fort Dix, NJ.
Between 1958 - 2005, 37 cases of swine influenza were reported.
G cases (17 %) resulted in death. 44% of infected individuals had known
exposure to pigs. Cases were reported in the United States, former
Czechoslovakia, the Netherlands, Russia, Switzerland, and Hong Kong.

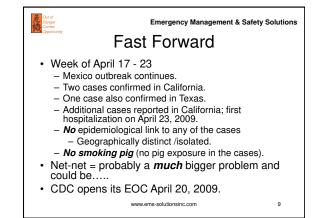






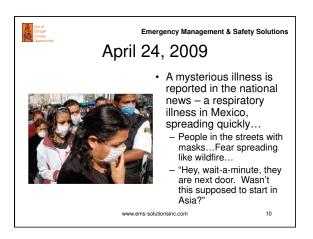




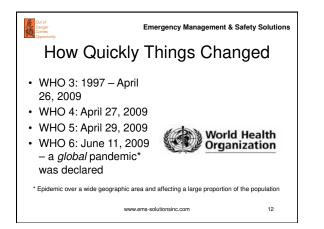




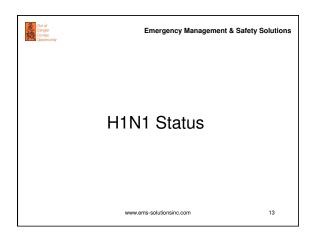
Emergency Management & Safety Solutions

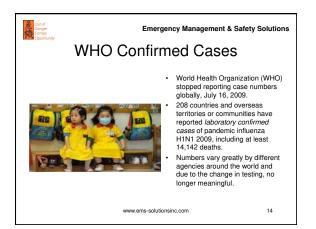










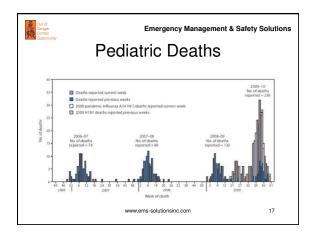




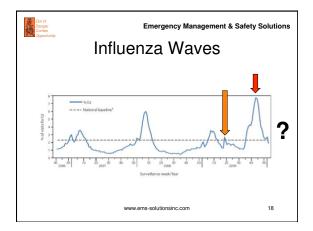


Opportunity	US Estimates CDC Estimates of 2009 H1N1 Cases and Related Hospitalizations and Deaths from April-December 12, 2009, By Age Group 2009 H1N1 Mid-Level Range* Estimated Range *				
Hospitalizat					
2009 1131		situ-Level Kange	Estimated Range		
Cases					
O-17 years		-18 million	-12 million to -26 million		
18-64 years		-32 million	~23 million to -47 million		
65 years and old	ler	~5 million	-4 million to -7 million		
An Order Street Street Street Street	Cases Total	-55 million	-39 million to -80 million		
Hospitalizatio	ons				
O-17 years		~78,000	~55,000 to =115,000		
18-64 years		-145.000	-102,000 to -213,000		
65 years and ole	ler	-23,000	-16,000 to -34,000		
Hospitali	rations Total	~246,000	-173,000 to -362,000		
Deaths					
O-17 years		+1,180	-830 to -1,730		
18-64 years		-8,620	~6,090 to ~12, 720		
65 years and ol	ler	-1,360	-960 to -2,010		
	Deaths Total	~11,160	~7.880 to ~16.460		



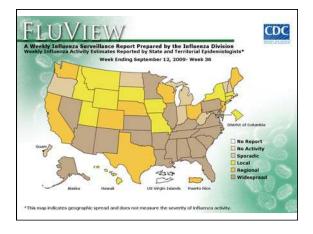




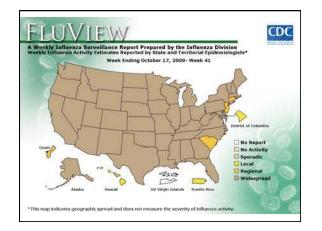




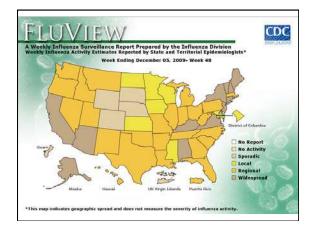










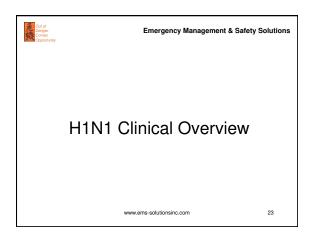




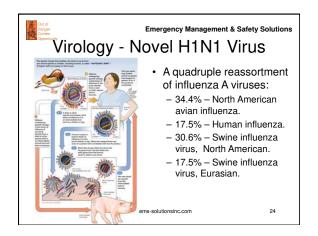








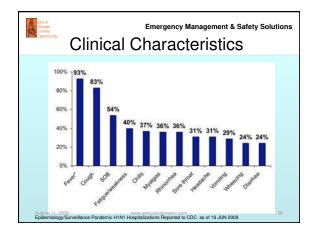




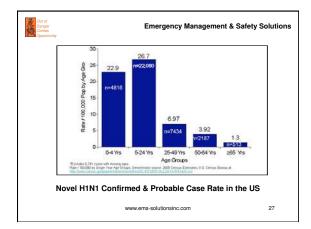




ん のut of Danger Comes Opport	Emergency Management & Safety Solut	ons
	 Person-to-person: large droplets (sneezing, coughing), other bodily fluids possible. Viral shedding: 5 – 7 days. Longer periods of shedding may occur in children (especially young infants), elderly adults, patients with chronic illnesses, and immunocompromised hosts. Virus shed is greatest during the first two to three days of illness. Incubation - median incubation period appears to be approximately two days. 	
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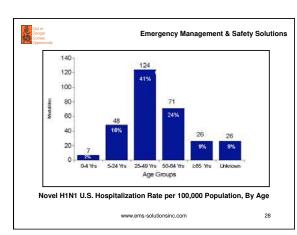




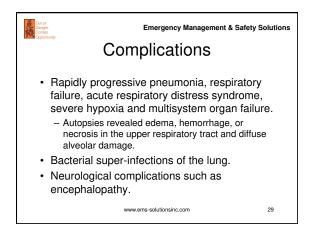


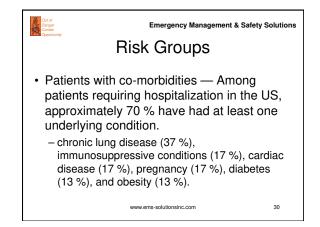








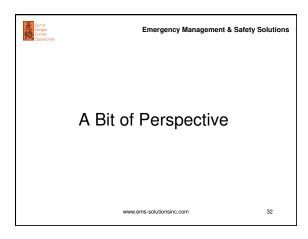


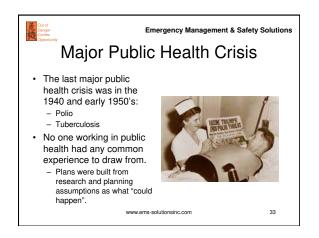




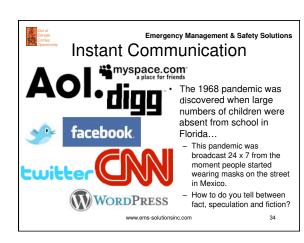
Emergency Management & Safety Solutions

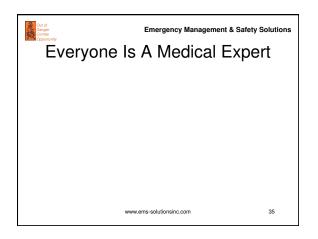
Out of Danger Comes Opportunity	Emergency Management & S Risk Groups	afety Solutions	
 Pregnant women – 6% of deaths. 1% of population is pregnant at any given time. Indigenous populations — fourfold increase in mortality compared to the general population. Obesity – connection unclear. Older hospitalized patients - may have been the result of comorbidities, since 80 % of patients >50 had underlying medical conditions. 			
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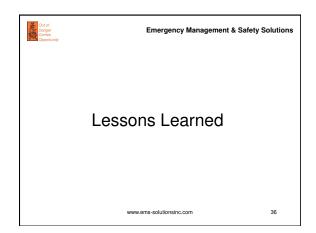




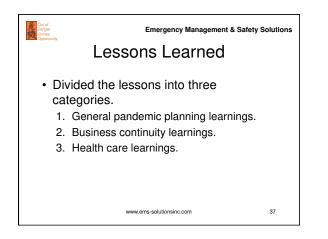


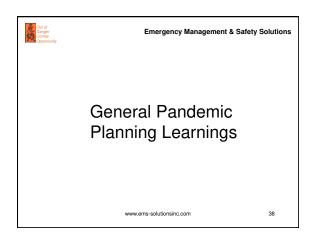


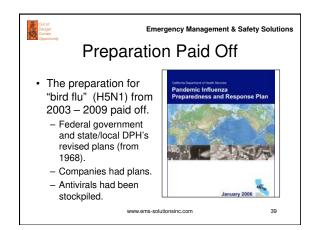




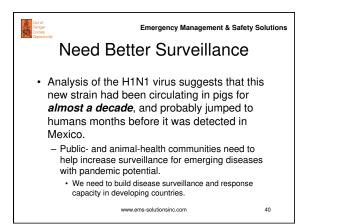








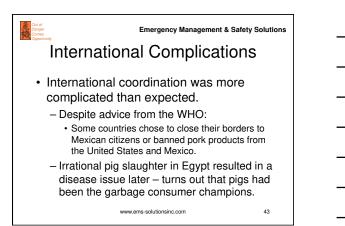




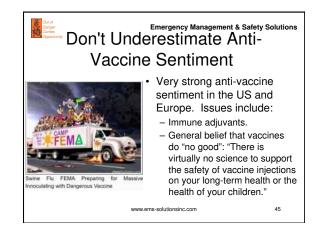






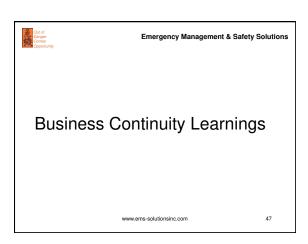


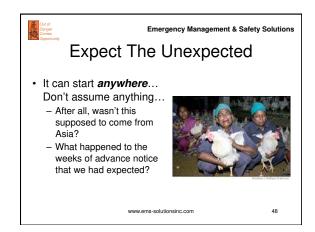






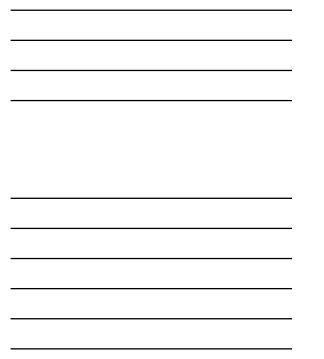
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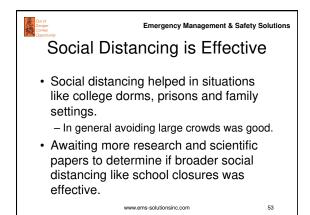


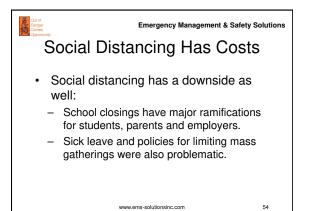












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Emergency Management & Safety Solutions **Personal Behavior Matters**

- · One's behavior absolutely affects how fast the H1N1 and other flu viruses will spread.
 - Handwashing.

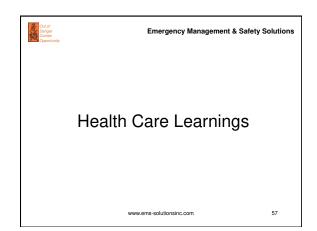


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- Stay home when sick.



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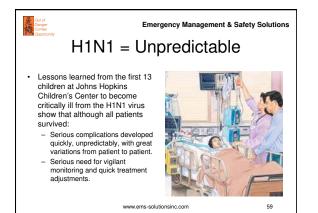


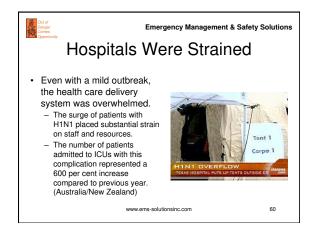
Emergency Management & Safety Solutions H1N1 Affected Different Population

- Unlike the usual 'seasonal' flu, which impacts the elderly and those with severe coexisting medical conditions, the H1N1 virus affected a different
- profile.
 Critical illness due to swine flu was most common in infants, middle aged people, pregnant woman, the overweight, and indigenous patients.
- However, about 1/3 of flu patients admitted to an ICU because had no underlying health problems.

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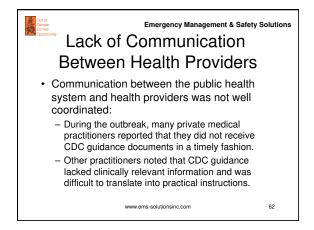


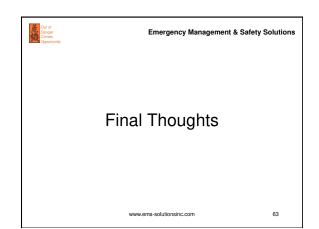


Emergency Management & Safety Solutions Public Health Is Under-funded

- 27 states cut funding for public health from FY 2007-09.
- · 13 states have purchased less than 50 percent of their share of federally subsidized antiviral drugs to stockpile for use during an influenza pandemic.
- · 14 states do not have the capacity in place to assure the timely pick-up and delivery of laboratory samples on a 24/7 basis to the Laboratory Response Network (LRN).
- 11 states and D.C report not having enough laboratory staffing capacity to work five 12-hour days for six to eight weeks in response to an infectious disease outbreak, such as H1N1. 61

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Emergency Management & Safety Solutions Some Of The Public Will Deny That The Sun Will Rise • In other words...for some it doesn't matter what you way

some it doesn't matter what you way or what you do...you are wrong!











