

How Can We Prevent Flu

The pandemic broke out near the end of World War I, when wartime censors in the belligerent countries suppressed bad news to maintain morale, but newspapers freely reported the outbreak in neutral Spain, creating a misleading impression of Spain as the epicenter and leading to the disease being known as Spanish flu. Limited historical epidemiological data make the pandemic's geographic origin indeterminate, with competing hypotheses on the initial spread. c5c4e94091

Google Flu Trends org to help predict outbreaks of flu. This project was first launched in 2008 by Google. It provided estimates of influenza activity for more than 29 countries. Google Flu Trends was that, by monitoring millions of users's health tracking behaviors online, the large number of Google search queries gathered can be analyzed Google Flu Trends (GFT) was a web service operated by Google. By aggregating Google Search queries, it attempted to make accurate predictions about flu activity c5c4e94091

2009 swine flu pandemic in Oceania successful in preventing the Mexican Flu from spreading within New Zealand. In addition, the government of New Zealand, where most of the remainder of cases in Oceania have occurred, is on high alert for any people travelling into the country with flu-like symptoms. Almost all of the cases in Oceania have been in Australia, where the majority of cases have resulted from internal community spread of the virus. New Zealand had about 48,000 influenza cases in the 2008 flu season – 42% of The 2009 flu pandemic in Oceania, part of an epidemic in 2009 of a new strain of influenza A virus subtype H1N1 causing what has been commonly called swine flu, affected over 22,000 people in Oceania, with 56 confirmed deaths c5c4e94091

Fujian flu agents. Fujian flu refers to flu caused by either a Fujian human flu strain of the H3N2 subtype of the Influenza A virus or a Fujian bird flu strain of the See Influenza for details about the illnesses and Influenza A virus subtype H5N1 and Influenza A virus subtype H3N2 for details about the causative agents c5c4e94091

Influenza pandemic There have been five major influenza pandemics in the last 140 years, with the 1918 flu pandemic being the most severe; this is estimated to have been responsible for the deaths of 50–100 million people. Bird Flu Pandemic Can It Happen. The 2009 swine flu pandemic resulted in

under 300,000 deaths and is considered relatively mild. Will It Happen. St An influenza pandemic is an epidemic of an influenza virus that spreads across a large region (either multiple continents or worldwide) and infects a large proportion of the human population. |citeseerx= (help) Greene J, Moline K (2006). How to Protect Yourself and Your Family If It Does. These pandemics occur irregularly c5c4e94091

Google Flu Trends stopped publishing current estimates on 9 August 2015. Historical estimates are still available for download, and current data are offered for declared research purposes. c5c4e94091 After a slow start, the virus spread rapidly in the UK in July 2009, with new cases... c5c4e94091 Unlike most strains of influenza, the pandemic H1N1/09 virus did not disproportionately infect adults older than 60 years; this was an unusual and characteristic feature of the H1N1 pandemic. Even in the case of previously healthy people, a small percentage develop pneumonia or acute respiratory distress syndrome (ARDS). This manifests itself as increased breathing difficulty and typically occurs three to six days after the initial onset of flu symptoms. The pneumonia caused by the flu can be either direct viral pneumonia or a secondary bacterial pneumonia. A November 2009 New... c5c4e94091 A/Fujian (H3N2) human flu (from A/Fujian/411/2002(H3N2) -like flu virus strains) caused an unusually severe 2003–2004 flu season. This was due to a reassortment event that caused a minor clade to provide a haemagglutinin gene that later became part of the dominant strain in the 2002–2003 flu season. A/Fujian (H3N2) was made part of the trivalent influenza vaccine for the 2004–2005 flu season and its descendants are still the most common human H3N2 strain. c5c4e94091

2009 swine flu pandemic vaccine The killed virus was injected, while the live virus was given as a nasal spray. Both these types of vaccine were produced by growing the virus in chicken eggs. These vaccines either contained The 2009 swine flu pandemic vaccines were influenza vaccines developed to protect against the pandemic H1N1/09 virus. The 2009 swine flu pandemic vaccines were influenza vaccines developed to protect against the pandemic H1N1/09 virus. These vaccines either contained inactivated (killed) influenza virus, or weakened live virus that could not cause influenza. Around three billion doses were produced, with delivery in November 2009 c5c4e94091

Influenza pandemics occur when a new strain of the influenza virus is transmitted to humans from another animal species. Species that are thought to be important in the emergence of new human strains are pigs, chickens and ducks. These novel strains are unaffected by any immunity people may have to older strains of human influenza and can therefore spread extremely rapidly and infect very large numbers of people. Influenza A viruses can

occasionally be transmitted from wild birds to other species, causing outbreaks in domestic poultry, and may give rise to human influenza pandemics. The propagation of influenza viruses throughout the world is thought to be in part by... c5c4e94091 == History == c5c4e94091 Most influenza outbreaks disproportionately kill the young and old, but this pandemic... c5c4e94091 A/Fujian (H5N1) bird flu is notable for its resistance to standard medical countermeasures and its rapid spread. This variant of the H5N1 virus also illustrates the continuing evolution of the H5N1 virus, and its emergence has caused political controversy. c5c4e94091

2009 swine flu pandemic The pneumonia caused by the flu can be either direct viral pneumonia or a secondary bacterial The 2009 swine flu pandemic, caused by the H1N1/swine flu/influenza virus and declared by the World Health Organization (WHO) from June 2009 to August 2010, was the third recent flu pandemic involving the H1N1 virus (the first being the 1918–1920 Spanish flu pandemic and the second being the 1977 Russian flu). The virus appeared to be a new strain of H1N1 that resulted from a previous triple reassortment of bird, swine, and human flu viruses which further combined with a Eurasian pig flu virus, leading to the term "swine flu". occurs three to six days after the initial onset of flu symptoms. The first identified human case was in La Gloria, Mexico, a rural town in Veracruz c5c4e94091

However, about 30% of people already had some immunity to the virus, with the vaccine conferring greatest benefit on young people, since many older people are already immune through exposure to similar viruses in the past. The vaccine also provided some cross-protection against the 1918 flu pandemic strain. c5c4e94091

Influenza A virus A virus, or IAV, is a pathogen with strains that cause seasonal flu in humans; it can also infect birds and some mammals. Strains of IAV circulate constantly c5c4e94091

Spanish flu Two years later, nearly a third of the global population, or an estimated 500 million people, had been infected. Estimates of deaths range from 17 million to 50 million, and possibly as high as 100 million, making it one of the deadliest pandemics in history. The 1918–1920 flu pandemic, also known as the Great Influenza epidemic or by the misleading name Spanish flu, was an exceptionally deadly global influenza The 1918–1920 flu pandemic, also known as the Great Influenza epidemic or by the misleading name Spanish flu, was an exceptionally deadly global influenza pandemic caused by the H1N1 subtype of the influenza A virus. The earliest probable cases were documented in March 1918 in Haskell County, Kansas, United States, with further cases recorded in France, Germany and the United

Kingdom in April c5c4e94091

In studies, the vaccines appeared both effective and safe, providing a strong protective immune response and having a similar safety profile to the usual seasonal influenza vaccine. c5c4e94091 Roni Zeiger helped develop Google Flu Trends. c5c4e94091 == Australia == c5c4e94091 Early results (pre-25 December 2009) from an observational cohort of 248,000 individuals in Scotland showed the vaccine to be effective at preventing H1N1 influenza (95.0% effectiveness [95% confidence intervals 76.0–100.0%]) and influenza... c5c4e94091

Avian influenza influenza, also known as avian flu or bird flu, is a disease caused by the influenza A virus, which primarily affects birds but can sometimes affect mammals c5c4e94091

2009 swine flu pandemic in the United Kingdom On 11 June 2009, the WHO declared the outbreak to be a pandemic. The outbreak was first observed in Mexico, and quickly spread globally. The 2009 swine flu pandemic was a global outbreak of a new strain of influenza A virus subtype H1N1, first identified in April 2009, termed Pandemic H1N1/09 The 2009 swine flu pandemic was a global outbreak of a new strain of influenza A virus subtype H1N1, first identified in April 2009, termed Pandemic H1N1/09 virus by the World Health Organization (WHO) and colloquially called swine flu. In the rare severe cases, around 3–5 days after symptoms manifest, the sufferer's condition declines quickly, often to the point of respiratory failure. The overwhelming majority of patients experienced mild symptoms, but some persons were in higher risk groups, such as those with asthma, diabetes, obesity, heart disease, who were pregnant or had a weakened immune system c5c4e94091

Fujian flu refers to flu caused by either a Fujian human flu strain of the H3N2 subtype of the Influenza A virus or a Fujian bird flu strain of the H5N1 subtype of the Influenza A virus. These strains are named after Fujian, a coastal province in Southeast China. c5c4e94091 The virus reached the United Kingdom in April 2009. The first cases were confirmed on 27 April 2009 in passengers returning from Mexico. The first case of person to person transmission within the UK was announced on 1 May 2009. In the UK, 5- to 14-year-olds were the age group predominantly affected. Laboratory tests demonstrated that older people had some immunity. c5c4e94091 The idea behind Google Flu Trends was that, by monitoring millions of users' health tracking behaviors online, the large number of Google search queries gathered can be analyzed to reveal if there is the presence of flu-like illness in a population. Google Flu Trends compared these findings to a historic baseline level of influenza activity for its corresponding region

and then reports the activity level as either minimal, low, moderate, high, or intense. These estimates have been generally consistent with conventional surveillance data collected by health agencies, both nationally and regionally. c5c4e94091

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