PLOS Currents: Influenza Archive

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PLOS Currents: Influenza was launched in August 2009 to rapidly disseminate data and ideas in the realm of influenza research in response to the worldwide H1N1 influenza outbreak. In May 2013 the publication was renamed PLOS Currents: Outbreaks and the scope was expanded to include all infectious disease outbreaks with impact or potential impact on human health. The full archive of articles published in PLOS Currents: Influenza is listed here.

PLOS Currents: Influenza Archive

- Climate change and influenza: the likelihood of early and severe influenza seasons following warmer than average winters (January 28, 2013)
- Novel virus, atypical risk group: understanding young adults in college as an under-protected population during H1N1 2009 (December 20, 2012)
- Evaluating the New York City Emergency Department Syndromic Surveillance for Monitoring Influenza Activity during the 2009-10 Influenza Season (August 17, 2012)
- Critical paths in a metapopulation model of H1N1: Efficiently delaying influenza spreading through flight cancellation (April 23, 2012)
- Recrudescence of human pandemic A/H1N1 influenza in Mexico, winter 2011-2012: Age shift and severity (February 24, 2012)
- Recovery of H14 influenza A virus isolates from sea ducks in the Western Hemisphere (January 26, 2012)
- Swine to human transmission of reassortants of pandemic (H1N1) 2009 and endemic swine influenza viruses (November 21, 2011)
- Prevalence of antibodies against seasonal influenza A and B viruses during the 2009-2010 and 2010-2011 influenza seasons in residents of Pittsburgh, PA, USA (October 25, 2011)
- Applying a New Model for Sharing Population Health Data to National Syndromic Influenza Surveillance: DISTRIBuTE Project Proof of Concept, 2006 to 2009 (September 12, 2011)
- Structure-based drug design of a new chemical class of small molecules active against influenza A nucleoprotein in vitro and in vivo (September 1, 2011)
- Identification of Influenza Cases During the H1N1 Pandemic in Massachusetts Using Population-Based Hospital Discharge Data (August 17, 2011)
- Weekly influenza-like-Illness rates were significantly lower in areas where schools were not in session in the United States during the 2009 H1N1 pandemic (May 10, 2011)
- Prevalence and risk factors for swine influenza virus infection in the English pig population (February 11, 2011)
- Top-hits for H1N1pdm Identified by Virtual Screening Using Ensemble-based Docking (January 3, 2011)
- Tempo and Mode in the Molecular Evolution of Influenza C (December 7, 2010)
- Projection of seasonal influenza severity from sequence and serological data (December 6, 2010)
- Fatal cases associated with pandemic influenza A (H1N1) reported in Greece (November 9, 2010)
- The 2009 pandemic H1N1 influenza vaccination in France: who accepted to receive the vaccine and why? (October 19, 2010)
- VirSim – a Model to Support Pandemic Policy Making (September 22, 2010)
- Genetic content of Influenza H3N2 vaccine seeds (September 5, 2010)
- Quantifying the transmissibility of human influenza and its seasonal variation in temperate regions (June 13, 2010)
- The Early Transmission Dynamics of H1N1pdm Influenza in the United Kingdom (June 13, 2010)
- A new common mutation in the hemagglutinin of the 2009 (H1N1) influenza A virus (June 1, 2010)
- Public preparedness guidance for a severe influenza pandemic in different countries: a qualitative assessment and critical overview (May 10, 2011)
• Lymphocyte to monocyte ratio as a screening tool for influenza (March 30, 2010)
• Structure and Receptor binding properties of a pandemic H1N1 virus hemagglutinin (March 22, 2010)
• Preliminary Estimates of Mortality and Years of Life Lost Associated with the 2009 A/H1N1 Pandemic in the US and Comparison with Past Influenza Seasons (March 20, 2010)
• Characterizing the initial diffusion pattern of pandemic (H1N1) 2009 using surveillance data (March 12, 2010)
• Preliminary estimation of risk factors for admission to intensive care units and for death in patients infected with A(H1N1)2009 influenza virus, France, 2009-2010 (March 10, 2010)
• Evolutionary pattern of pandemic influenza (H1N1) 2009 virus in the late phases of the 2009 pandemic (March 4, 2010)
• Seroprevalence Following the Second Wave of Pandemic 2009 H1N1 Influenza (February 20, 2010)
• Host Dependent Evolutionary Patterns and the Origin of 2009 H1N1 Pandemic Influenza (January 30, 2010)
• H1N1 2009 pandemic flu vaccination campaign: The Homeless lesson (January 29, 2010)
• Pandemic influenza 2009 on Réunion Island: A mild wave linked to a low reproduction number (January 19, 2010)
• Optimal Pandemic Influenza Vaccine Allocation Strategies for the Canadian Population (January 7, 2010)
• Seasonal Influenza Vaccine Allocation in the Canadian Population during a Pandemic (January 7, 2010)
• Efficient simulation of the spatial transmission dynamics of influenza (January 4, 2010)
• Symptomatic infections less frequent with H1N1pdm than with seasonal strains (December 27, 2009)
• Epidemiological characteristics and low case fatality rate of pandemic (H1N1) 2009 in Japan (December 22, 2009)
• Absolute Humidity and the Seasonal Onset of Influenza in the Continental US (December 18, 2009)
• Is a Mass Immunization Program for Pandemic (H1N1) 2009 Good Value for Money? Early Evidence from the Canadian Experience (December 17, 2009)
• Studies needed to address public health challenges of the 2009 H1N1 influenza pandemic: insights from modeling (December 16, 2009)
• Optimizing allocation for a delayed influenza vaccination campaign (December 13, 2009)
• Modeling the critical care demand and antibiotics resources needed during the Fall 2009 wave of influenza A(H1N1) pandemic (December 8, 2009)
• H1N1 vaccination and adults with underlying health conditions in the US (November 20, 2009)
• Estimate of Novel Influenza A/H1N1 cases in Mexico at the early stage of the pandemic with a spatially structured epidemic model (November 17, 2009)
• Antiviral usage for H1N1 treatment: pros, cons and an argument for broader prescribing guidelines in the United States (November 11, 2009)
• Optimizing Tactics for use of the U.S. Antiviral Strategic National Stockpile for Pandemic (H1N1) Influenza, 2009 (November 9, 2009)
• The early diversification of influenza A/H1N1pdm (November 5, 2009)
• Mining the NCBI Influenza Sequence Database: adaptive grouping of BLAST results using precalculated neighbor indexing (October 30, 2009)
• Rapid Development of an Efficacious Swine Vaccine for Novel H1N1 (October 29, 2009)
• Targeted vs. systematic early antiviral treatment against A(H1N1)v influenza with neuraminidase inhibitors in patients with influenza-like symptoms: Clinical and economic impact (October 26, 2009)
• Improving the diagnostic efficiency of H1N1 2009 pandemic flu: analysis of predictive clinical signs through a prospective cohort (October 25, 2009)
• Can Reactive School Closures help critical care provision during the current influenza pandemic? (October 24, 2009)
• Green tea catechins inhibit the endonuclease activity of influenza A virus RNA polymerase (October 13, 2009)
• Economic Cost and Health Care Workforce Effects of School Closures in the U.S. (October 4, 2009)
• The Shifting Demographic Landscape of Influenza (October 2, 2009)
• Pandemic influenza dynamics and the breakdown of herd immunity (September 30, 2009)
• E14-F55 combination in M2 protein: a putative molecular determinant responsible for swine-origin influenza A virus transmission in humans (September 29, 2009)
• The severity of pandemic H1N1 influenza in the United States, April – July 2009 (September 25, 2009)
• Tracking the evolution and geographic spread of Influenza A (September 24, 2009)
Transmission of influenza virus in temperate zones is predominantly by aerosol, in the tropics by contact.

Evolutionary Dynamics of N-Glycosylation Sites of Influenza Virus Hemagglutinin

Adaptive vaccination strategies to mitigate pandemic influenza

The early molecular epidemiology of the swine-origin A/H1N1 human influenza pandemic

Predispensing of Antivirals to High-Risk Individuals in an Influenza Pandemic

Reducing influenza spreading over the airline network

A (H1N1) Pandemic Virus

The Contribution of the PB1-F2 Protein to the Fitness of Influenza A Viruses and its Recent Evolution in the 2009 Influenza (H1N1) Virus

Reassortment Patterns in Swine Influenza Viruses

Swine origin influenza A (H1N1) virus and ICU capacity in the US

Fitness of Pandemic H1N1 and Seasonal influenza A viruses during Co-infection

Next generation syndromic surveillance: molecular epidemiology, electronic health records and the pandemic Influenza A (H1N1) virus

First estimation of direct H1N1pdm virulence

Molecular modeling of swine influenza A/H1N1, Spanish H1N1, and avian H5N1 flu N1 neuraminidases bound to Tamiflu and Relenza

Mortality and morbidity burden associated with A/H1N1pdm influenza virus

Fitness of Pandemic H1N1 and Seasonal influenza A viruses during Co-infection

Next generation syndromic surveillance: molecular epidemiology, electronic health records and the pandemic Influenza A (H1N1) virus

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