

# GIHSN Publications 2015/2016 Influenza Season



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# Published scientific manuscripts

## ***Peculiarities of aetiology of Respiratory Virus Infections in hospitalized patients depending on the demographic, socio-economic factors and previous vaccination***

A. Sominina et al, [Microbiology Independent Research Journal](#), Vol.2 num1 2015, pp 44-55

### ***Peculiarities of Etiology of Respiratory Virus Infections in Hospitalized Patients Depending on the Demographic, Socio-Economic Factors and Previous Vaccination***

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#### **Abstract**

*Etiology of respiratory virus infections among 1699 hospitalized patients (HP) was determined by PCR during the period of increased influenza activity in 2012 – 2013 season. The rate of occurrence of influenza virus in dependence of gender, age, social and demographic factors and previous vaccination was analysed. Young children dominated in the age structure of HP, while the elderly were hospitalized very rarely. According to results obtained rate of influenza detection in HP was significantly higher among adults in comparison with children (63,5 and 30,7% of investigated patients, correspondingly). Respiratory syncytial virus and rhinoviruses were detected the most regularly (8.7 and 3.1%, correspondingly) in children, parainfluenza and adenoviruses were registered rarely (1.4 and 2.1%, correspondingly). Rate of detection of coronaviruses and bocavirus was low and varied in the range 0.3 – 0.6%. Indicated above ARI agents among hospitalized adults were detected rarely (0 – 1.5%) with exception of RSV which was detected among elderly (75 – 84 years) in 5.9% cases. No metapneumovirus cases were detected among HP in indicated period. Although males dominated (58%) among HP influenza cases, regardless of the type/subtype, were registered more frequently among girls in comparison with the boys of the same age groups. Influenza cases were registered more frequently as well among smoking than in not smoking patients. Young children dominated in the age structure of HP, while the elderly were hospitalized very rarely.*

**Key words:** influenza, respiratory infections, hospitalization, etiology, diagnosis, vaccination

# Published scientific manuscripts

## ***Influenza vaccine effectiveness in preventing hospitalization among Beijing residents in China, 2013-2015***

Qin Y et al. [Vaccine](#). 2016 Apr 29;34(20):2329-33

## Influenza vaccine effectiveness in preventing hospitalization among Beijing residents in China, 2013–15

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# Published scientific manuscripts

## ***Epidemiology of hospital admissions with influenza during the 2013/2014 Northern Hemisphere influenza season: results from the Global Influenza Hospital Surveillance Network***

Puig-Barberà J et al. [PLoS One](#). 2016 May 19;11(5):e0154970

## Epidemiology of Hospital Admissions with Influenza during the 2013/2014 Northern Hemisphere Influenza Season: Results from the Global Influenza Hospital Surveillance Network

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# Published scientific manuscripts

## ***Influenza epidemiology and influenza vaccine effectiveness during the 2014-2015 season: annual report from the Global Influenza Hospital Surveillance Network***

Puig-Barberà et al. [BMC Public Health](#). 2016 Aug 22;16 Suppl 1:757

## Influenza epidemiology and influenza vaccine effectiveness during the 2014–2015 season: annual report from the Global Influenza Hospital Surveillance Network

Joan Puig-Barberà<sup>1\*</sup>, Elena Burtseva<sup>2</sup>, Hongjie Yu<sup>3</sup>, Benjamin J. Cowling<sup>4</sup>, Selim Badur<sup>5</sup>, Jan Kyncl<sup>6</sup>, Anna Somnina<sup>7</sup> and on behalf of the GIHSN

From GIHSN Annual Meeting 2015  
Annecy, France. 19-20 October 2015

# Published scientific manuscripts

## ***Genetic Characterization of influenza viruses from influenza-related hospital admissions in the St. Petersburg and Valencia sites of the Global Influenza Hospital Surveillance Network during the 2013/14 influenza season***

López-Labrador FX et al. [J Clin Virol](#). 2016 Sep 27;84:32-38. doi

Genetic characterization of influenza viruses from influenza-related hospital admissions in the St. Petersburg and Valencia sites of the Global Influenza Hospital Surveillance Network during the 2013/14 influenza season

F. Xavier López-Labrador<sup>a,b,c</sup>, Angels Natividad-Sancho<sup>a</sup>, Maria Pisareva<sup>d</sup>, Andrey Komissarov<sup>d</sup>, Karina Salvatierra<sup>a,b,1</sup>, Artem Fadeev<sup>d</sup>, Andrés Moya<sup>b</sup>, Mikhail Grudinin<sup>d</sup>, Javier Díez-Domingo<sup>a</sup>, Olga Afanasieva<sup>d</sup>, Nadezhda Konovalova<sup>d</sup>, Anna Sominina<sup>d</sup>, Joan Puig-Barberà<sup>a,\*</sup>

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# Oral presentations and posters (1)

## **ISIRV, Incidence, Severity and Impact of Influenza 2016, Paris, France on 21-22nd January 2016**

***Evidence of waning effect of the influenza vaccine during the 2014-2015 season. Valencia Hospital network for the Study of influenza and other respiratory viruses (VAHNSI), Spain***

Mira-Iglesias A et al.

***Estimates of 2014/15 vaccine effectiveness (VE) against influenza related hospitalizations from the Global Influenza Hospital Surveillance Network (GIHSN) using a test-negative case-control design***

Puig-Barberà J et al.

***Impact of influenza strain and patient characteristics on the risk of admissions with influenza. Global Influenza Hospital Surveillance Network Results, 2014-2015 influenza season***

Puig-Barberà J et al.



# Oral presentations and posters (2)

## World Health Organization, Consultation on National, Regional and Global Estimates of the Burden of Influenza Disease

*Pilot estimates of admission rates with confirmed influenza in the Global influenza Hospital Surveillance Network (GIHSN) sites, 2014-2015 influenza season, in regions with known or unknown denominators*

Puig-Barberà J et al.



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# Oral presentations and posters (3)

## OPTIONS IX for the control of influenza – 24-28 August 2016

***Global Influenza Surveillance Network, epidemiology and influenza vaccine effectiveness, in three influenza seasons, 2012-2015***

Puig-Barberà J et al.

***Waning protection of influenza vaccination. A test-negative study in four consecutive influenza seasons. Valencia Hospital Network for the Study of Influenza (VAHNSI), Spain***

Puig-Barberà J et al.

***Admissions with influenza and other respiratory viruses, 2012 to 2015 seasons. Results from the Global Influenza Hospital Surveillance Network (GIHSN)***

Puig-Barberà J et al.

***The Global Influenza Hospital Surveillance Network as a growing platform to generate epidemiology evidence on the burden of severe influenza and other respiratory viruses***

Druelles S et al.

# Ongoing publications

## ***Evaluation of the waning protection of influenza vaccination during four influenza seasons, 2011/2012 to 2014/2015***

Puig-Barberà J et al. Submitted to the [Journal of Infectious Diseases](#) on October 11<sup>th</sup>, 2016

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