

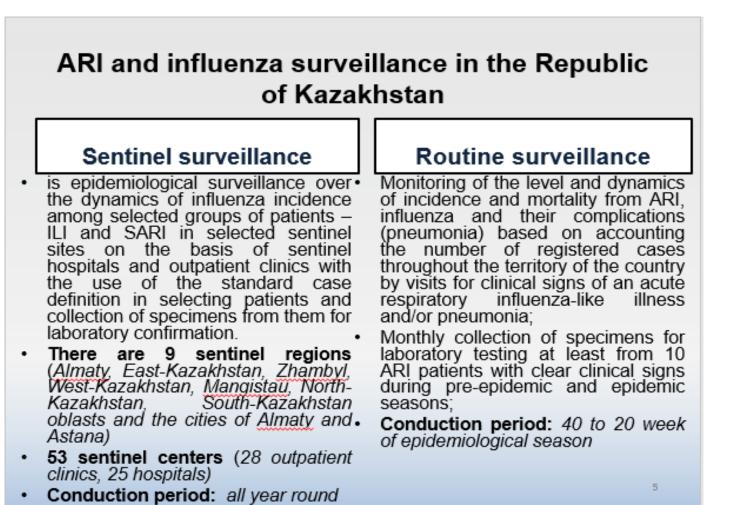
SPC for Sanitary-Epidemiological Expertise and Monitoring, Public Health Committee
Ministry of Health of the Republic of Kazakhstan

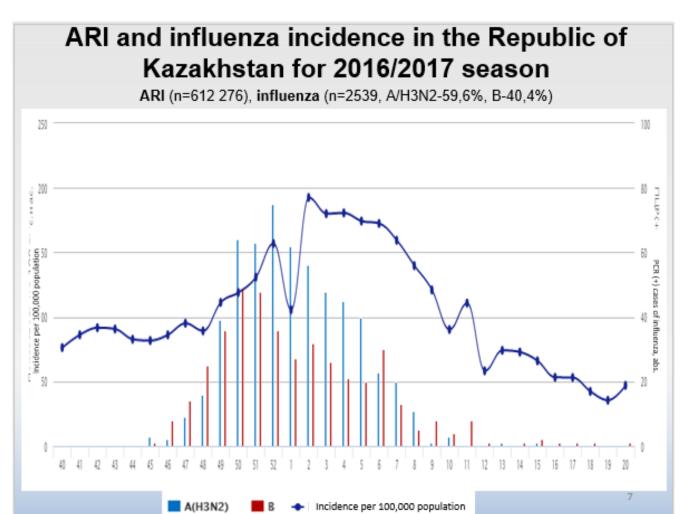
The system of epidemiological surveillance of influenza and other ARVI in the Republic of Kazakhstan.

The introduction of a system of hospital epidemiological surveillance of influenza in hospitals of Almaty, Kazakhstan

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Site presentation

This study was funded by the Foundation for Influenza Epidemiology:

- 1. Infectious diseases municipal hospital 300 beds,
- 2. Pediatric infectious diseases municipal hospital 360 beds.

Staff working for the study: 8am on Monday and 8am on Saturday each week. Before conducting and during the investigation the coaching staff.

The number of that population for hospitals: 1 349 282 and 161811 people

Methods

Data Collection: questionnaire

The main criterion for inclusion in the study^

European Centre for Diseases Control (ECDC) definition of influenza like-illness (ILI): - A Combination of:

- At least one of the following four ILI systemic symptoms:
- Fever o feverishness
- Loodoobo
- Headache
- Myalgia
- At least one of the following three ILI respiratory symptoms:
- Cough

Malaise

Sore throat

Shortness of breath

2010/2011

2011/2012

Informed consent

Informed consent is required for all patients.

Laboratory examination

Was performed 1 year and older.

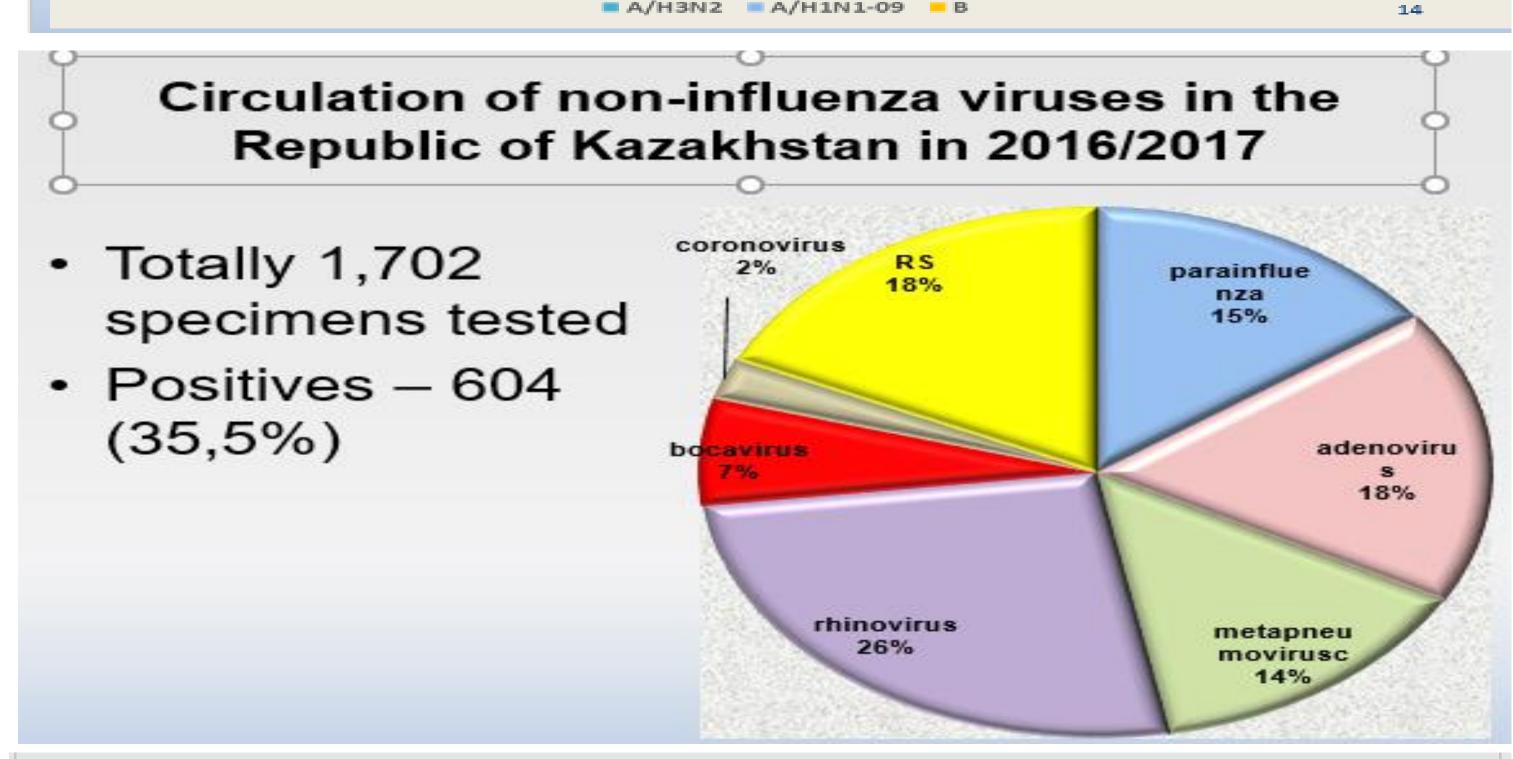
2015/2016

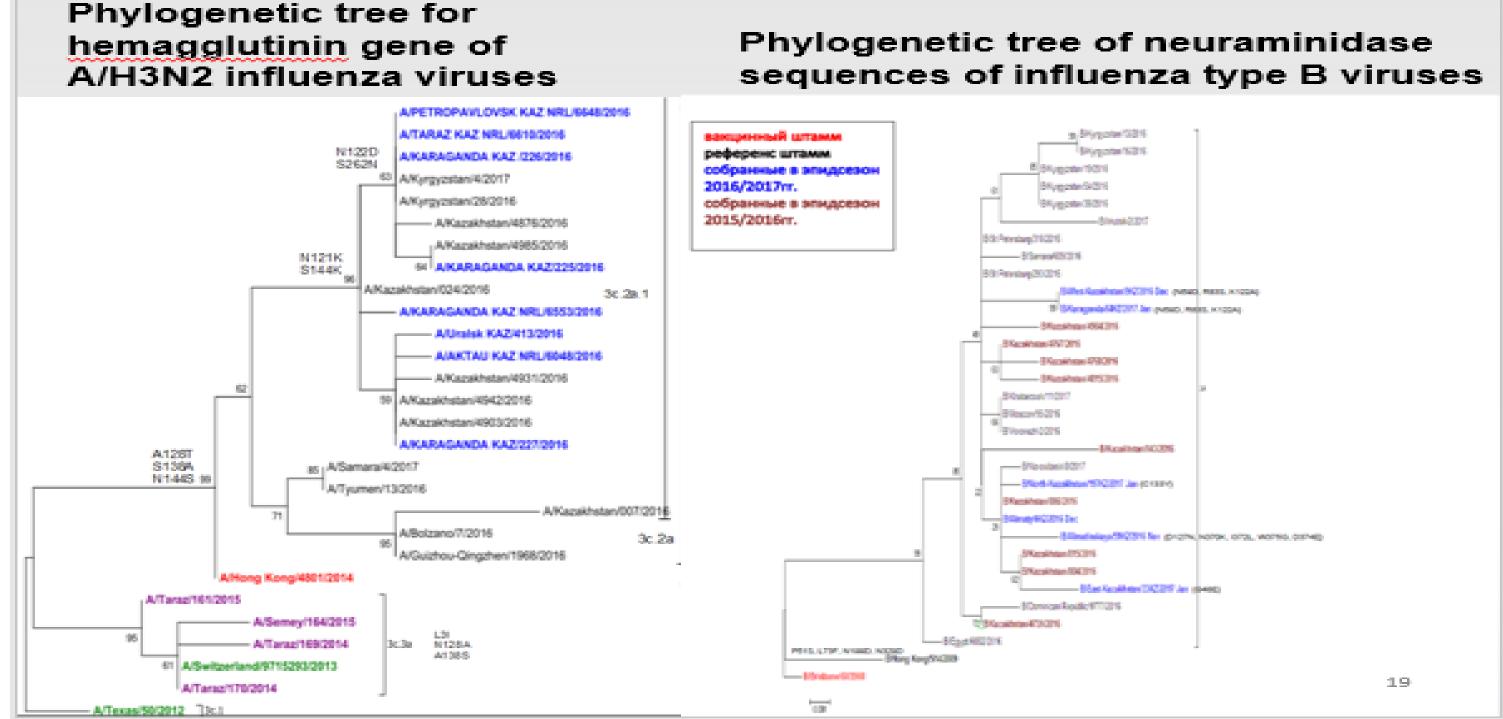
2016/2017

Etiological structure (PCR +) of influenza viruses by subtype for 2010-2017, Republic of Kazakhstan, % 31,7% 8/096 40,8% 40,40% 47,196 70% 6/096 4,6% 50% 4/096 3/096 2.096 1.096

2014/2015

Results



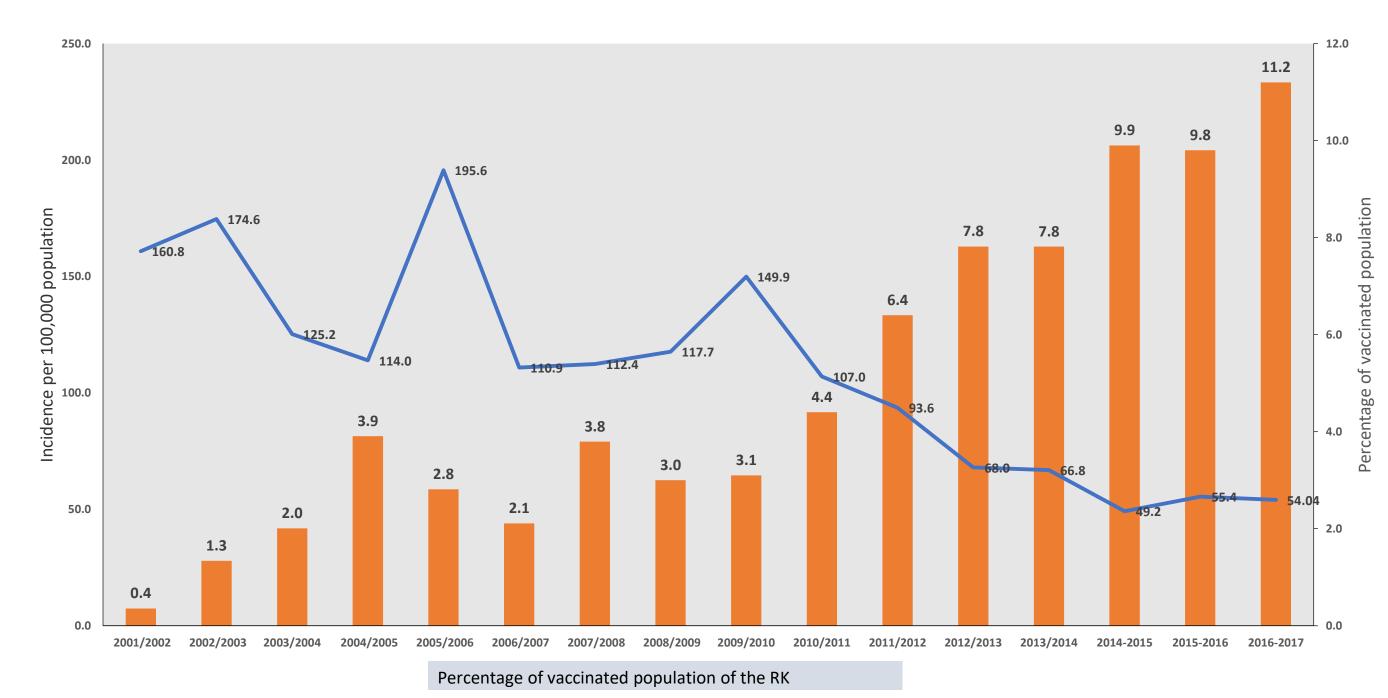


Vaccination

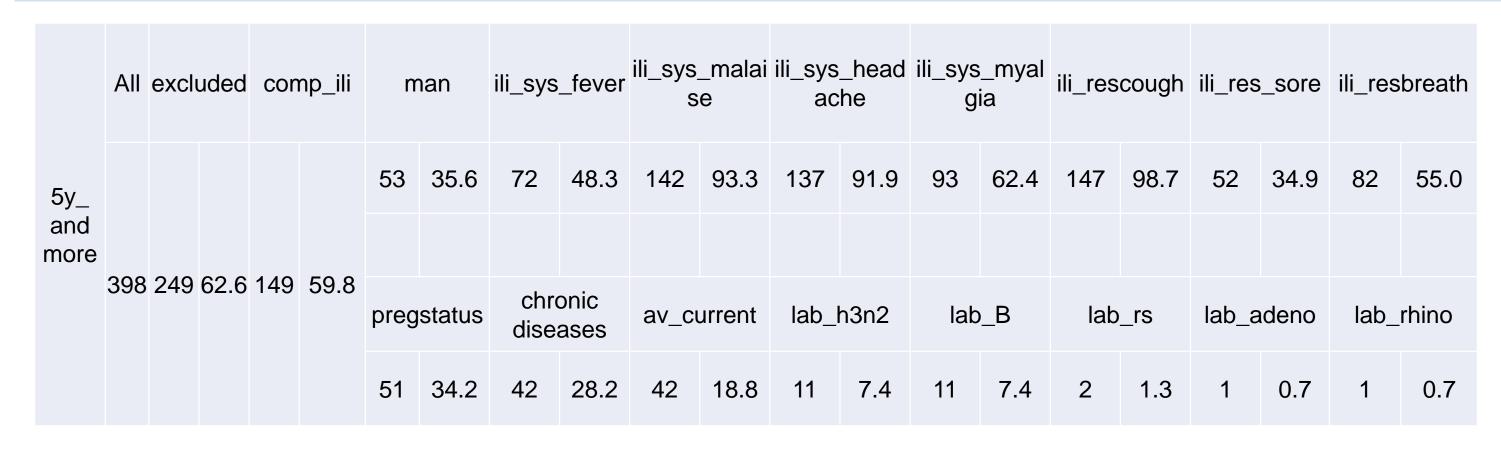
The target population for the influenza vaccine in Kazakhstan.

<u>Health Care Practitioners</u>, Pregnant, Children and Adult with underline chronicle conditions, children living in orphanages, elderly after 65 living in nursing houses. used in your country. In Kazakhstan are using 4 vaccine.

Comparison of ARI incidence and percentage of influenza vaccinated population in 2001/2002 - 2016-2017 seasons



The results of the study in the hospitals of the city of Almaty, Kazakhstan



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	263	153	58.2	110	/1 Q	102	92.7	22	20.0	21	19.0	4	3.6	5	4.5	2	1.8

Key aspects & challenges

Earlier rise in ARI incidence as compared to the previous season (50 – 2 weeks);

The republican incidence threshold was not exceeded;

Exceed in the own control ARI incidence levels in Akmola, Almaty, Kostanay, East-Kazakhstan and North-Kazakhstan oblasts between 51 and 03 weeks of the season;

Activity of A(H3N2) and B influenza viruses (beginning of the season with greater activity of influenza B virus and end of season with dominating A(H3N2). No circulation of A(H1N1) pdm09 virus;

11.2% of the total population were vaccinated;

The country is taking measures to increase vaccination coverage against influenza. Circulation of strains similar to vaccinal ones (*A/Hong Kong/4801/2014 and B/Brisbane/60/2008*);

Sensitivity to oseltamivir and resistance to amantadine and rimantad

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