



HPV VACCINATION IN THE CHILDHOOD VACCINATION PROGRAMME

1 October 2008 will see the initiation of a catch-up programme comprising free HPV vaccination of girls born in 1993, 1994 and 1995. The offer will be available until the end of 2010. On 1 January 2009 the normal vaccination programme for 12-year-old girls starts and as from this date, the vaccination will also be free for girls born in 1996 or later.

HPV vaccination of persons not comprised by this programme is unsubsidized.

HPV vaccination to prevent cervical cancer is administered by the patient's GP. The Danish National Board of Health is currently drafting information material on this subject. Further information will follow in EPI-NEWS after the summer holidays. See also www.sst.dk.

SUGGESTED VACCINATIONS FOR FOREIGN TRAVEL, 2008

As last year, EPI-NEWS 25a+b/07, a reference group has revised and updated SSI's vaccination suggestions for foreign travel. The recommendations will be made public in week 24/08.

In 2008 the following changes apply to the malaria prophylaxis recommendations:

Azerbaijan: **q** in gr. 2-4 from June through October

El Salvador: **v** in gr. 2-4

Guyana: **x** in gr. 2-4

Indonesia: **x** in gr. 2-4

Jamaica: **V** in group I (Kingston)

Morocco: No prophylaxis

Peru: Tumbes out, Loreto in with **X** in gr. 1-4

Turkmenistan: No prophylaxis

Venezuela: Delta Amacuro out

Vanuatu: **X** in gr. 1-4

In countries marked with a small letter, the malaria risk only covers part of the territory and a description of the risk areas is available in Danish at www.ssi.dk/rejser: Select "sygdomsforekomst = malaria" and place the text marker above the red area. The other vaccination recommendations remain unchanged.

International vaccination certificate

In the new international vaccination certificate, yellow fever vaccination is no longer pre-printed but now needs to be stated specifically on the pages headed "International Certificate of Vaccination or Prophylaxis". This is important as yellow fever vaccination is a prerequisite to entry into a number of countries.

Other vaccinations apart from yellow fever should be stated on the subsequent pages.

As previously, the international vaccination certificate may be ordered from the SSI.

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INFLUENZA SEASON 2007-2008

Influenza sentinel surveillance commenced in week 40, 2007. This season, an average of 116 GPs have reported weekly. We would like to take this opportunity to thank the participating doctors for their efforts. The influenza activity in Denmark remained low throughout the entire season with slightly increased activity in week 51 of 2007 and in weeks 1, 5, 6 and 8 of 2008. Subsequently, influenza activity decreased to the level expected for the season.

During the same period, the SSI influenza laboratory has tested secretion samples for influenza virus.

Among the samples tested, 206 were submitted by the sentinel doctors.

Positive findings with virus strain typing are shown in [Table 1](#).

Table 1. Demonstrated influenza virus cases by sender and virus strain, 2007-2008 season

	Virus strain		
	A (H3N2)	A (H1N1)	B
Sentinel	8	48	38
Other	5	131	70
Total	13	179	108

In the 2007-2008 season, a total of 48 influenza A H1N1 virus cases were diagnosed by the sentinel surveillance, the subtype was A/Solomon/03/06-like.

Furthermore, eight cases of A H3N2 virus of the A/Wisconsin/67/05-like type were found. All identified influenza B virus was related to the B/Florida/04/06-like type, Yamagata lineage.

Resistance to oseltamivir

In 2007-2008 resistance to the anti-influenza agent oseltamivir was found in H1N1 virus in Europe for the first time.

The resistance frequency varied between countries from few and up to 70%. In Denmark, resistance to 3 of 57 strains (5%) was detected.

Vaccination coverage

In the 2007-2008 season, the SSI sold 720,718 doses of influenza vaccine. Due to technical problems, the statement concerning coverage of the free influenza vaccination offer is not currently available.

The offer of free influenza vaccination to persons above 65 years, chronically ill following medical assessment and early retirement pensioners will start in the next influenza season on 1 October 2008.

Influenza vaccine 2008-2009

On the basis of the strains in circulation, the WHO recommends that the vaccine composition for the next (2008-2009) season be changed to the following:

- A/Brisbane/59/2007 (H1N1)-like virus

- A/Brisbane/10/2007 (H3N2)-like virus

- B/Florida/4/2006-like virus.

(S. Glismann, A. H. Christiansen, Department of Epidemiology, L. P. Nielsen, SSI Influenza Lab.)

NOROVIRUS REPORTING

Last week the number of samples tested for norovirus per month and the proportion of positives were reported on the reverse of EPI-NEWS for the first time. Furthermore, data describing the previous 12 months was provided.

In future, the norovirus data will be included on the reverse of EPI-NEWS once a month. The curve mentioned is also included in this week's issue.

Data are provided by clinical microbiology departments which, in the future, will report these on a monthly basis.

No further reporting of rotavirus and RS virus

The number of positive rotavirus and RS virus samples from the reporting clinical microbiology departments will no longer be included on the reverse of EPI-NEWS. The Department of Epidemiology wishes to thank the participating departments for a well-functioning cooperation.

(C. Kjelsø, P. Valentiner-Branth, Department of Epidemiology, B. Böttiger, Department of Virology)

Individually notifiable diseases

Number of notifications received in the Department of Epidemiology, SSI (2008 figures are preliminary)

Table 1	Week 22 2008	Cum. 2008 ¹⁾	Cum. 2007 ¹⁾
AIDS	1	13	26
Anthrax	0	0	0
Botulism	0	0	0
Cholera	0	0	0
Creutzfeldt-Jakob	0	3	4
Diphtheria	0	0	0
Food-borne diseases	11	154	211
of these, infected abroad	2	30	38
Gonorrhoea	9	141	155
Haemorrhagic fever	0	0	0
Hepatitis A	3	19	14
of these, infected abroad	0	6	6
Hepatitis B (acute)	0	7	11
Hepatitis B (chronic)	4	72	117
Hepatitis C (acute)	0	4	2
Hepatitis C (chronic)	4	143	145
HIV	8	103	116
Legionella pneumonia	2	43	35
of these, infected abroad	0	15	5
Leprosy	0	0	0
Leptospirosis	0	2	6
Measles	0	6	1
Meningococcal disease	0	27	35
of these, group B	0	12	17
of these, group C	0	5	11
of these, unspec. + other	0	10	7
Mumps	0	20	3
Neuroborreliosis	1	21	27
Ornithosis	0	1	1
Pertussis (children < 2 years)	2	47	32
Plague	0	0	0
Polio	0	0	0
Purulent meningitis			
Haemophilus influenzae	0	0	1
Listeria monocytogenes	0	1	6
Streptococcus pneumoniae	0	39	58
Other aethiology	0	12	7
Unknown aethiology	0	10	9
Under registration	9	31	-
Rabies	0	0	0
Rubella (congenital)	0	1	0
Rubella (during pregnancy)	0	0	0
Shigellosis	3	31	23
of these, infected abroad	2	26	13
Syphilis	0	36	39
Tetanus	0	0	0
Tuberculosis	9	179	157
Typhoid/paratyphoid fever	1	14	5
of these, infected abroad	1	12	5
Typhus exanthematicus	0	0	2
VTEC/HUS	5	55	64
of these, infected abroad	0	18	22

¹⁾ Cumulative number 2008 and in corresponding period 2007

Selected laboratory diagnosed infections

Number of specimens, isolates, and/or notifications received in SSI laboratories

Table 2	Week 22 2008	Cum. 2008 ²⁾	Cum. 2007 ²⁾
Bordetella pertussis (all ages)	6	60	63
Gonococci	13	160	149
of these, females	2	31	19
of these, males	11	129	130
Listeria monocytogenes	2	19	21
Mycoplasma pneumoniae			
Resp. specimens ³⁾	0	44	232
Serum specimens ⁴⁾	0	52	268
Streptococci ⁵⁾			
Group A streptococci	7	78	61
Group B streptococci	4	56	41
Group C streptococci	0	6	10
Group G streptococci	3	55	52
S. pneumoniae	14	549	575
Table 3	Week 20 2008	Cum. 2008 ²⁾	Cum. 2007 ²⁾
MRSA	23	211	-
Pathogenic int. bacteria ⁶⁾			
Campylobacter	21	669	913
S. Enteritidis	5	102	135
S. Typhimurium	41	319	102
Other zoon. salmonella	19	308	242
Yersinia enterocolitica	13	125	119
Verocytotoxin- producing E. coli	2	48	60
Enteropathogenic E. coli	2	31	55
Enterotoxigenic E. coli	7	112	65

²⁾ Cumulative number 2008 and in corresponding period 2007

³⁾ Resp. specimens with positive PCR

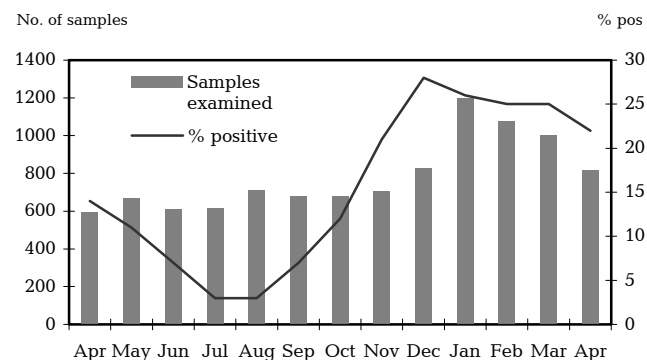
⁴⁾ Serum specimens with pos. complement fixation test

⁵⁾ Isolated in blood or spinal fluid

⁶⁾ See also www.germ.dk

Norovirus 2007-2008

Examined samples and percent positive, Apr 07- Apr 08



Samples from clinical microbiology departments at Odense Hospital, Copenhagen University Hospital, and the Department of Virology, SSI

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