

Weekly update on oseltamivir resistance to pandemic influenza A (H1N1) 2009 viruses

12 February 2010 -- For this reporting week (4 - 10 February 2010), 22 new sporadic cases of oseltamivir resistant pandemic influenza A (H1N1) 2009 viruses have been reported. It brings the cumulative total to 245 so far. All have the H275Y substitution and are assumed to remain sensitive to zanamivir.

Table 1: Summary of new oseltamivir resistant cases during the week 4 - 10 February 2010

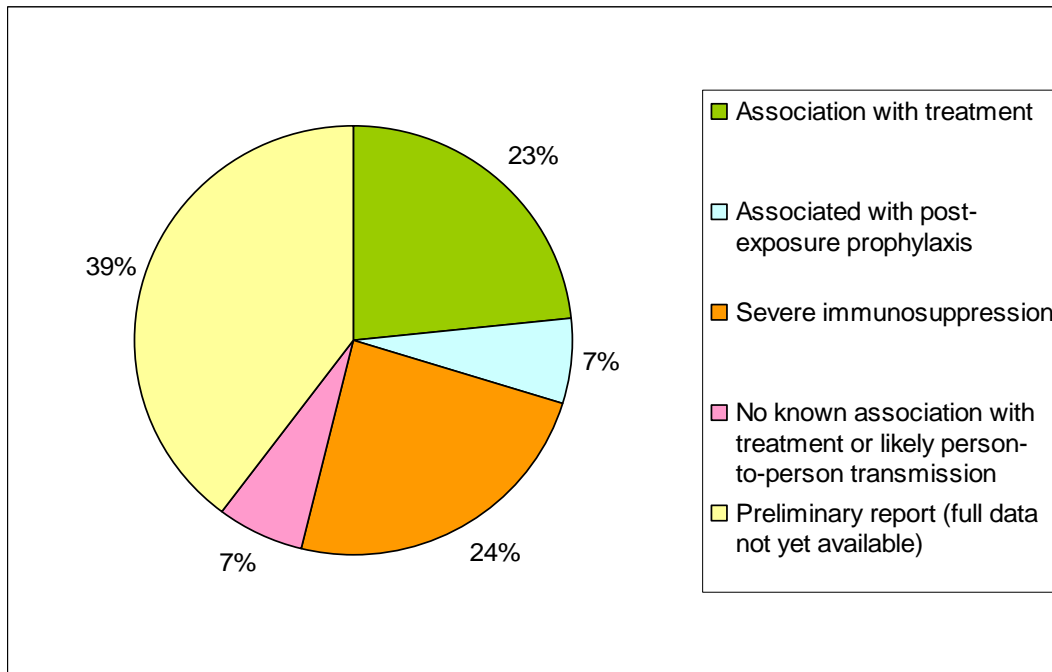
Clinical Background / Preliminary report	Number of reported cases
Association with treatment	3 ^{1) 2) 3)}
Association with post-exposure prophylaxis	0
Severe immunosuppression	3 ^{4) 5)}
No known of association with treatment, or likely person to person transmission	0
Preliminary report*	16 ^{6) 7) 8) 9)}
Total new cases	22

*Preliminary report: laboratory confirmed and reported oseltamivir resistant cases, details not yet available

Table 2: Geographical distribution of oseltamivir resistance by the WHO regions (as of 10 February 2010)

	WHO Region					
	AFRO	EMRO	EURO	PAHO	SEARO	WPRO
Number of oseltamivir resistant isolates	0	1	82	72	0	90

Figure 1: Proportion of the clinical background of reported cases of oseltamivir resistance (as of 10 February 2010)



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- 1) Ministry of Health, Labour and Welfare, Japan. Press release. Available from URL: <http://www.mhlw.go.jp/kinkyu/kenkou/influenza/houdou/2010/02/dl/infuh0203-02.pdf>
 - 2) Ministry of Health, Labour and Welfare, Japan. Press release. Available from URL: <http://www.mhlw.go.jp/kinkyu/kenkou/influenza/houdou/2010/02/dl/infuh0205-03.pdf>

- 3) Ministry of Health, Labour and Welfare, Japan. Press release. Available from URL: <http://www.mhlw.go.jp/kinkyu/kenkou/influenza/houdou/2010/02/dl/infuh0205-04.pdf>
- 4) Robert Koch Institute, Germany. Influenza weekly report (week 4). Available from URL: http://influenza.rki.de/Wochenberichte/2009_2010/2010-04.pdf
- 5) Korea Centers for Disease Control and Prevention, Republic of Korea. Title 32. Epidemiological study of five patients with Oseltamivir resistant Influenza A(H1N1) in Korea. Available from URL: <http://flu.cdc.go.kr/>
- 6) Public Health Agency, Canada. Flu Watch, January 24 to January 30, 2010 (week 4). Available from URL: http://www.phac-aspc.gc.ca/fluwatch/09-10/w04_10/pdf/fw2010-04-eng.pdf
- 7) Korea Centers for Disease Control and Prevention, Republic of Korea. Influenza surveillance and laboratory monitoring (February 4, 2010). Available from URL: <http://flu.cdc.go.kr/>
- 8) Health Protection Agency, United Kingdom. Weekly national influenza report, February 4, 2010 (week5). Available from URL: http://www.hpa.org.uk/web/HPAwebFile/HPAweb_C/1265296965059
- 9) Centers for Disease Control and Prevention, United States of America. Flu View (week4). Available from URL: http://www.cdc.gov/flu/weekly/pdf/External_F1004.pdf