

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

5 March 2010 -- For this reporting week (25 February - 3 March 2010), 11 new sporadic cases of oseltamivir resistant pandemic influenza A (H1N1) 2009 viruses have been reported. It brings the cumulative total to 264 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 25 February - 3 March 2010

Clinical Background / Preliminary report	Number of reported cases
Association with treatment	8 ^{1) 2) 3) 4) 5)}
Association with post-exposure prophylaxis	1 ¹⁾
Severe immunosuppression	0
No known of association with treatment, or likely person to person transmission	0
Preliminary report*	2 ⁶⁾
Total new cases	11

*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 3 March 2010)

	WHO Region					
	AFRO	EMRO	EURO	PAHO	SEARO	WPRO
Number of oseltamivir resistant isolates	0	1	84	73	0	106

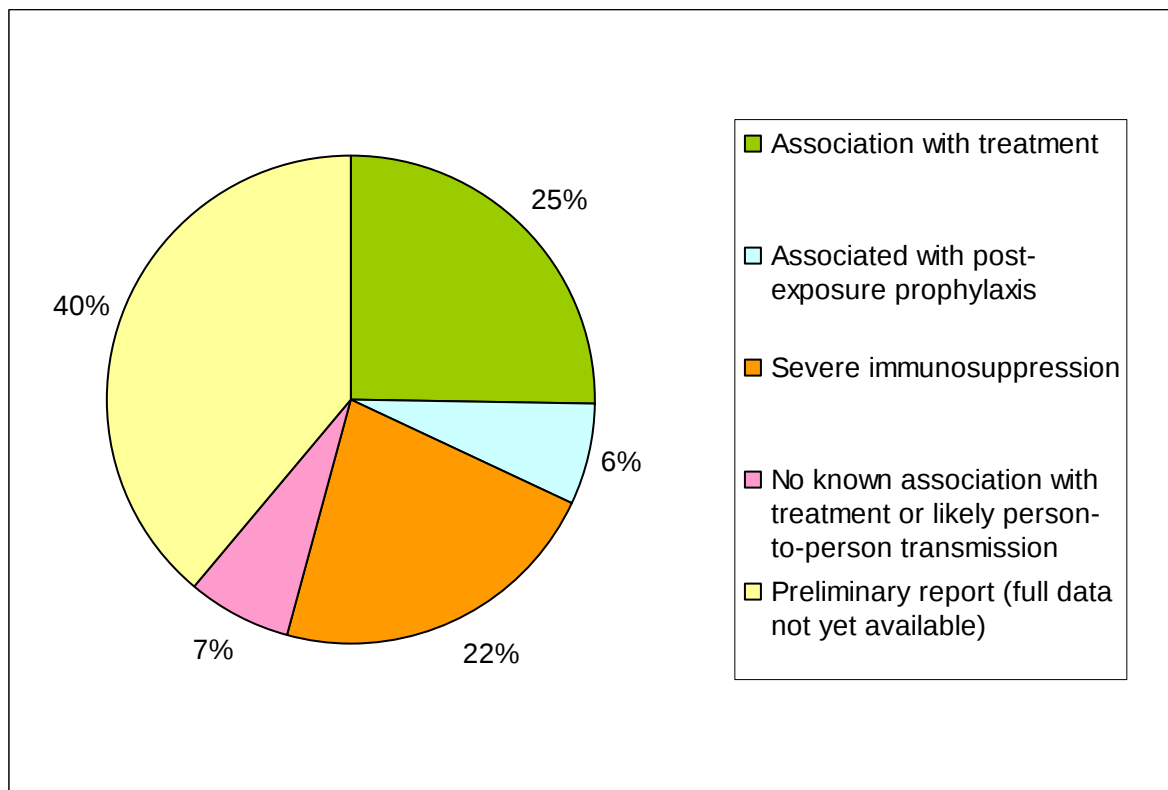


Figure 1: Proportion of the clinical background of reported cases of oseltamivir resistance (as of 3 March 2010)

-
- 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/infuh0224-03.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/infuh0224-04.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/infuh0225-01.pdf>
 - 4) Ministry of Health, Labour and Welfare, Japan. Press release. Available from URL: <http://www.mhlw.go.jp/kinkyu/kenkou/influenza/houdou/2010/02/dl/infuh0226-01.pdf>
 - 5) Ministry of Health, Labour and Welfare, Japan. Press release. Available from URL: <http://www.mhlw.go.jp/kinkyu/kenkou/influenza/houdou/2010/02/dl/infuh0226-02.pdf>
 - 6) United Kingdom Health Protection Agency. Weekly National Influenza Report, February 25, 2010 (week8). Available from URL: http://www.hpa.org.uk/web/HPAwebFile/HPAweb_C/1267025475458