

Update on oseltamivir resistance to influenza H1N1 (2009) viruses

15 December 2010 -- For this reporting period, no new cases of influenza H1N1 (2009) virus carrying the H275Y substitution have been reported. It brings the cumulative total to 314 so far.

More detailed information on previously reported cases has recently been published:

Moore C, et al. Evidence of Person-to-Person Transmission of Oseltamivir Resistant Pandemic Influenza A(H1N1) 2009 Virus in a Hematology Unit. *Journal of Infectious Diseases*, 203, 18-24. 2011 Jan.

Table 1: Geographical distribution of oseltamivir resistance by the WHO regions (as of 15 December 2010)

	WHO Region					
	AFRO	EMRO	EURO	PAHO	SEARO	WPRO
Number of oseltamivir resistant isolates	1	1	102	85	0	125

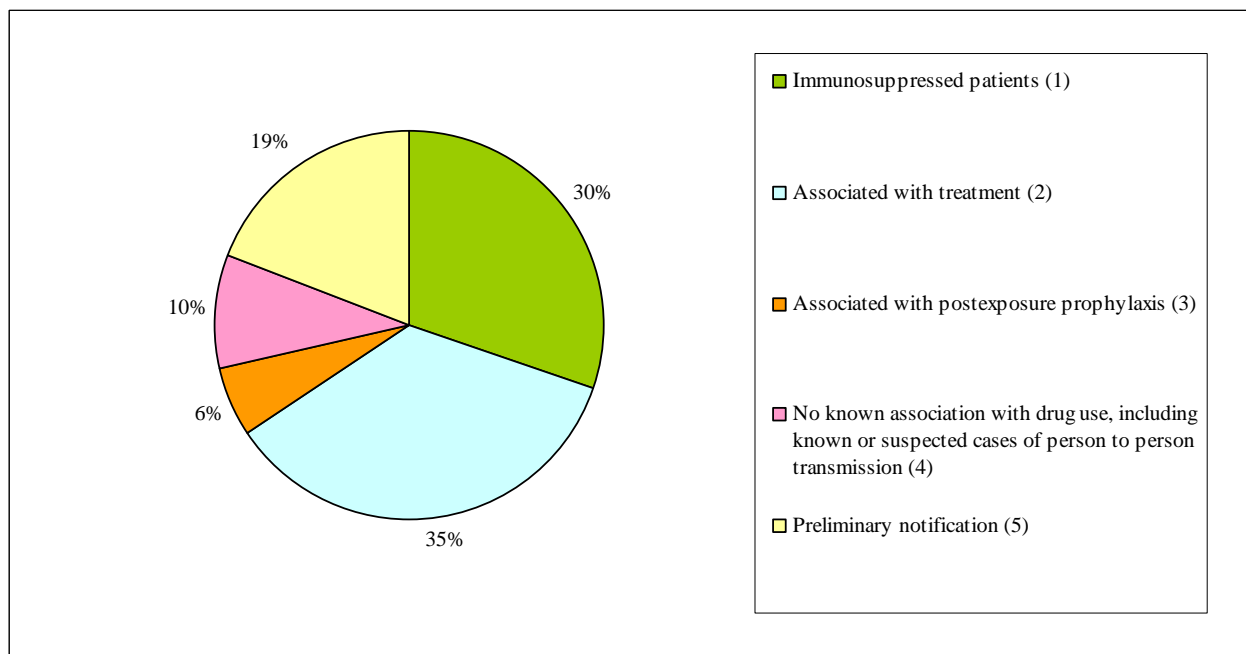


Figure 1: Proportion of the clinical background of reported cases of oseltamivir resistance (as of 15 December 2010). Cases are classified first by identifying those that occur in severely immunocompromised patients (1). The remaining cases are then classified as either occurring during or after oseltamivir treatment (2), associated with post-exposure prophylaxis (3), or occurring in patients who had not used antiviral drugs prior to occurrence of the resistant virus (4). The balance of cases (5) are those where insufficient clinical information is available.