

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

19 March 2010 -- For this reporting week (11 - 17 March 2010), 3 new sporadic cases of oseltamivir resistant pandemic influenza A (H1N1) 2009 viruses have been reported. It brings the cumulative total to 267 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 11 - 17 March 2010

| Clinical Background / Preliminary report                                        | Number of reported cases |
|---------------------------------------------------------------------------------|--------------------------|
| Association with treatment                                                      | 0                        |
| Association with post-exposure prophylaxis                                      | 1 <sup>1)</sup>          |
| Severe immunosuppression                                                        | 1 <sup>2)</sup>          |
| No known of association with treatment, or likely person to person transmission | 0                        |
| Preliminary report*                                                             | 1 <sup>3)</sup>          |
| Total new cases                                                                 | 3                        |

\*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 17 March 2010)

|                                          | WHO Region |      |      |      |       |      |
|------------------------------------------|------------|------|------|------|-------|------|
|                                          | AFRO       | EMRO | EURO | PAHO | SEARO | WPRO |
| Number of oseltamivir resistant isolates | 0          | 1    | 84   | 74   | 0     | 108  |

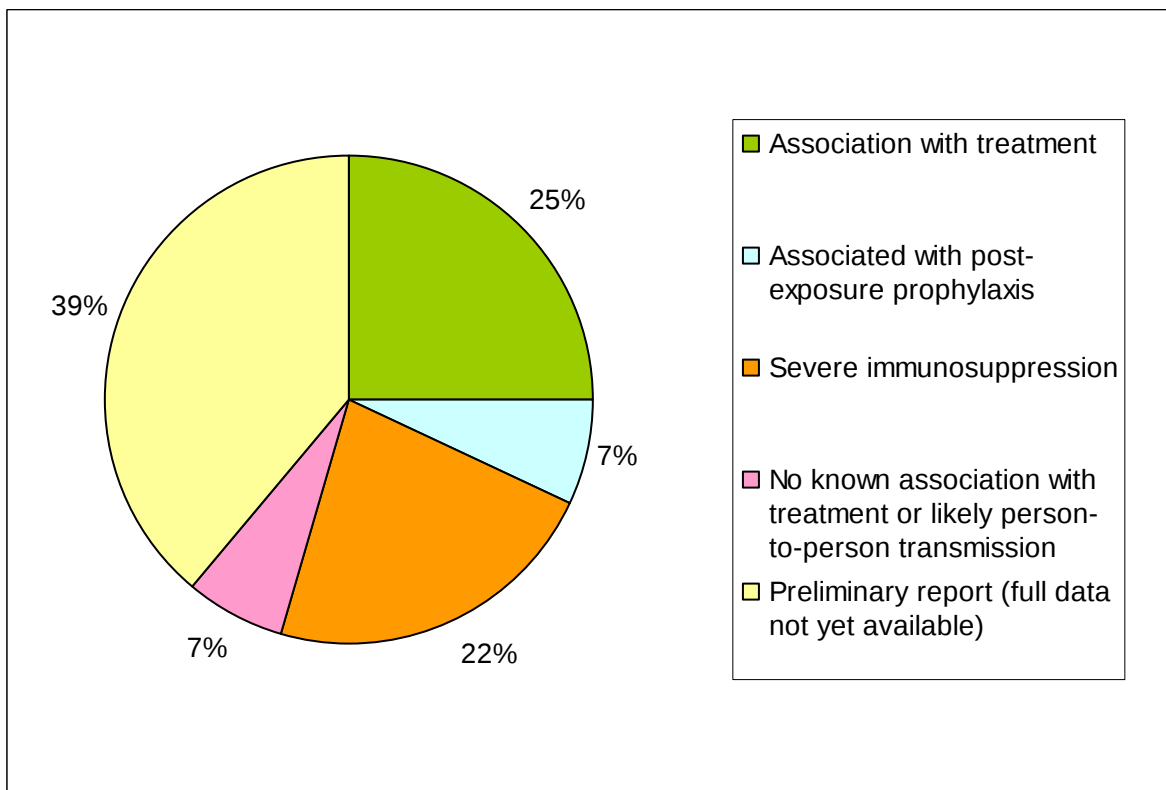


Figure 1: Proportion of the clinical background of reported cases of oseltamivir resistance (as of 17 March 2010)

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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/2010/03/dl/infuh0312-01.pdf>
  - 2) Ministry of Health, Labour and Welfare, Japan. Press release. Available from URL: <http://www.mhlw.go.jp/kinkyu/kenkou/influenza/houdou/2010/03/dl/infuh0311-01.pdf>
  - 3) Centers for Disease Control and Prevention, United States of America. Flu View (week9). Available from URL: [http://www.cdc.gov/flu/weekly/pdf/External\\_F1009.pdf](http://www.cdc.gov/flu/weekly/pdf/External_F1009.pdf)