



Pandemic (H1N1) 2009 Virus

Antiviral Resistance

By

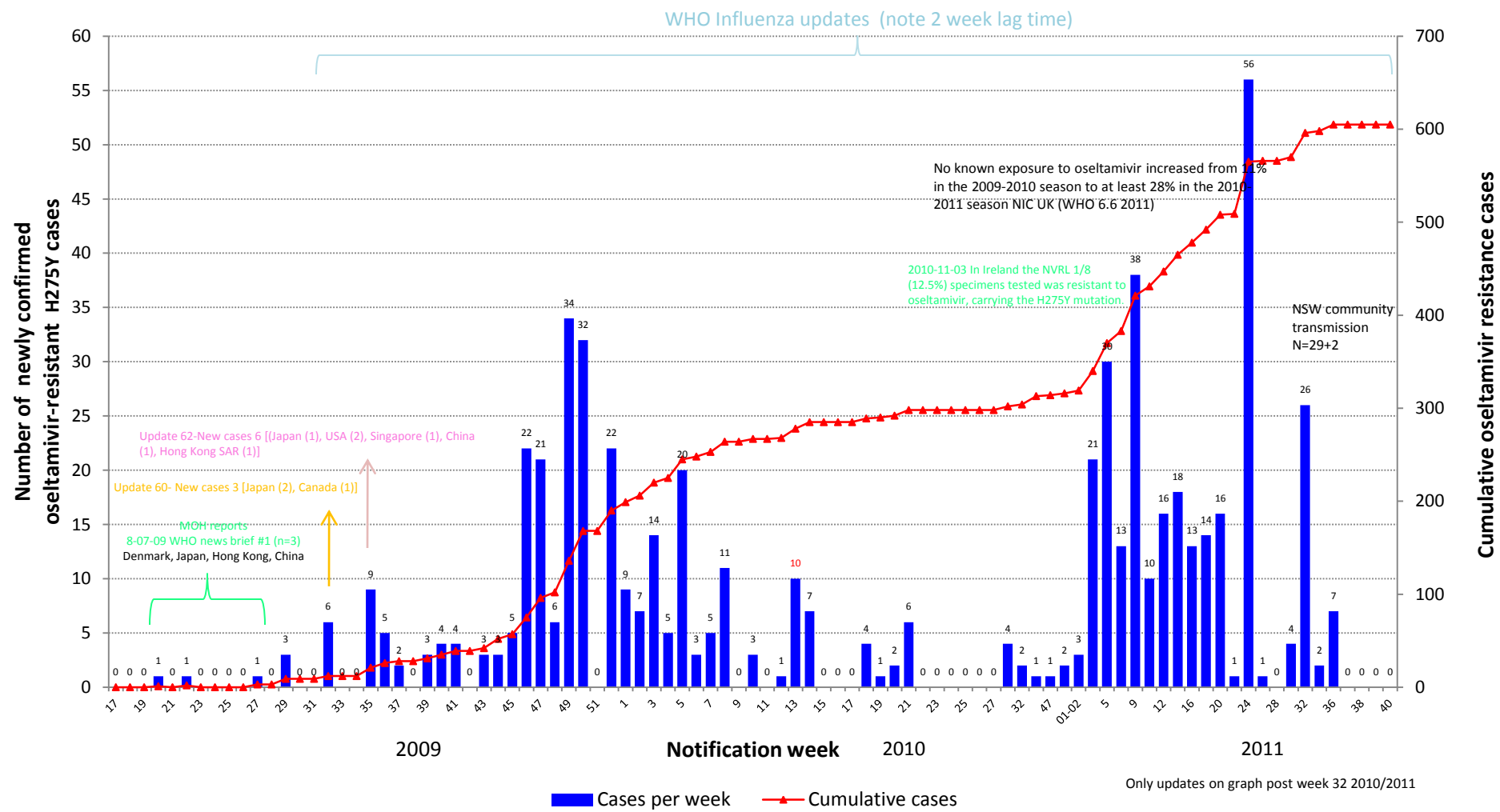
Michael Fraser

Note I need to update slide 3 but its
gives you an Idea of the Epi curve!



Pandemic (H1N1) 2009 Virus Antiviral Resistance

Pandemic (H1N1) 2009 Virus Worldwide Oseltamivir Resistance 2009-2011 (n=605)



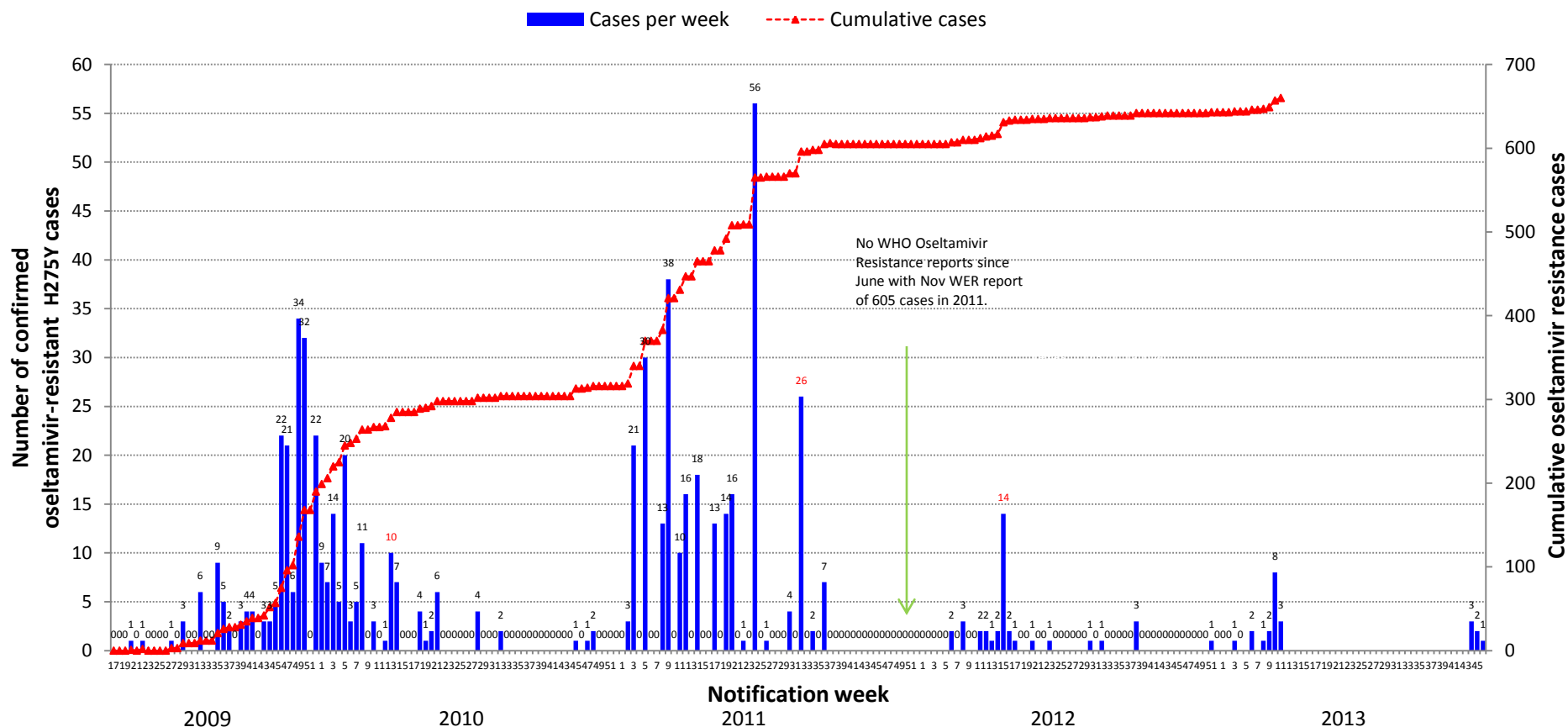
Note- In week 13 (2010) most of the 10 new cases are retrospective from the 4 quarter of 2009 (Update 95 WHO)
Cases reported for the period between week 35, 2010 and week 16, 2011 in Infectious Agents Surveillance Report, Japan. This figure includes 8 samples that are mixed populations H275Y -H275H/Y- 2012 most recent US case during Week 8 (February 19-25, 2012), (no reports since week 38 by WHO) In Australia the frequency of H275Y variants was 4 in 50 viruses in June (8%), 20 in 85 viruses in July (24%), and 4 in 45 viruses in August (9%).



Pandemic (H1N1) 2009 Virus

Antiviral Resistance (Update from Nov 2011-2013)

Week of Notification of Influenza A pdm (H1N1) 09 Virus Worldwide Oseltamivir Resistance 2009-2013 (n=667)



2011 Week 24 Cases reported for the period between week 35, 2010 and week 16, 2011 in Infectious Agents Surveillance Report, Japan. This figure includes 8 samples that are mixed populations H275Y / H275H/Y (WHO 2011)

Last 05 October 2011 -- For this reporting period (21 September - 05 October 2011), 7 new cases of oseltamivir resistant influenza A(H1N1)2009 viruses have been reported. It brings the cumulative total to 605 since April 2009. (WHO influenza Update number 144)

2012 February-June (week 23) oseltamivir resistant influenza A(H1N1)2009 viruses have been reported by CDC (16) and CHP Hong Kong (4) Mexico (10) [EU, PHAC, UK all with 0] Week 23 to 43 2012 3 isolates 1 Australia and 2 Netherlands, 2 Hong Kong ! Week 40 2012-week 6 2013, 1 Netherlands, 2 USA, 1 Hong Kong

11/22/2013