

VIROLOGY Quarterly report (January to March 2005)

(Available at http://www.surv.esr.cri.nz/virology/virology_quarterly_report.php)

RESPIRATORY VIRUSES

Influenza virus

During January to March 2005, ten isolations of influenza viruses were reported from Auckland (2), Canterbury (5) and Waikato (3). Influenza isolations in 2005 were higher compared with seven influenza viruses reported during the same period in 2004. Six influenza viruses were typed as A. Of these, three influenza A isolates were further subtyped as A/Fujian/411/2002 (H3N2)-like viruses. Four influenza viruses were typed as B. Of these, two influenza B viruses were further antigenically typed as B/Sichuan/379/99-like strains.

Respiratory Syncytial Virus and Rhinoviruses

During January to March 2005, ten cases of respiratory syncytial viruses were reported from Auckland (8), and Christchurch (2). This was higher compared with seven RSV cases reported during the same period in 2004. Ten isolations of rhinoviruses were reported from Auckland (4), Waikato (2) and ESR (4). The rhinovirus isolations in 2005 were higher compared with two isolations of rhinoviruses during the same period in 2004.

ADENOVIRUSES AND ENTEROVIRUSES

Adenoviruses

During January to March 2005, a total of 74 adenoviruses were reported. This was much higher than 29 adenoviruses reported during the same period in 2004. Using adenovirus antisera 1-31 and 41, a total of 71 adenoviruses were serotyped as Adenovirus type 1 (3), type 2 (5) and type 3 (25), type 4 (6), type 5 (2), type 11 (1), type 13 (1), type 14 (1), type 19 (2), type 41 (2), and untypable (23). A majority of untypable adenoviruses were actually adenovirus type 37 (Ad 37). A retrospective summary report on Ad 37 will be issued in the future.

Enteroviruses

During January to March 2005, a total of 60 enteroviruses were reported. This was much higher than 29 enteroviruses reported during the same period in 2004. A total of 34 enteroviruses were referred to ESR for serotyping. Of these, 14 were Coxsackie viruses with B1 (3), B5 (7), A6 (3), A8 (1). Twenty were Echoviruses with type 5 (8), type 6 (1), type 7 (2), type 11 (2), and type 30 (7).