

VIROLOGY Quarterly report (July to September 2008)

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

RESPIRATORY VIRUSES

Influenza virus

- 812 influenza viruses were reported from sentinel and laboratory-based surveillance (2007, 630).
- 292 were identified as influenza A, 1 as A/Brisbane/59/2007 (H1N1)–like strain, 99 as A/Brisbane/10/2007 (H3N2)–like strains, 43 as A (H3N2) subtyped by PCR, and 149 as A yet to be subtyped.
- 520 were identified as influenza B, 38 as B/Florida/4/2006–like strains, 89 as B/Malaysia/2506/2004–like strains, 393 as B yet to be antigenically typed.
- The Australian Influenza Vaccine Committee (AIVC), with a New Zealand representative, met in Canberra on 8 October 2008 to consult on the influenza vaccine composition for 2009. The recommended composition is:
 - A (H1N1) an A/Brisbane/59/2007–like strain
 - A (H3N2) an A/Brisbane/10/2007–like strain
 - B a B/Florida/4/2006–like strain

(For more details on the influenza vaccine recommendation, please refer to the report: http://www.surv.esr.cri.nz/virology/influenza_vaccine.php)

Respiratory Syncytial Virus, Rhinoviruses and parainfluenza viruses

- 556 cases of respiratory syncytial virus were reported (2007, 542).
- 2 rhinoviruses were reported (2007, 5).
- 76 parainfluenza viruses were reported (2007, 55), 29 were subtyped as parainfluenza type 1 and 47 as type 3.

ADENOVIRUSES AND ENTEROVIRUSES

Adenoviruses

- 115 adenoviruses were reported (2007, 197).
- Adenovirus type 8 was the predominant serotype.
- 76 adenoviruses were serotyped as adenovirus type 1 (5), type 2 (7), type 3 (6), type 4 (1), type 5 (4), type 8 (52), type 37 (1).

Enteroviruses

- 31 enteroviruses were reported (2007, 32)
- Echovirus type 6 is the predominant serotype.
- 8 enteroviruses were serotyped as Echovirus 4 (1), Echovirus 6 (3), Echovirus 9 (1), Echovirus 11 (1) and Coxsackie virus type B5 (2)