Australian Paediatric Surveillance Unit



Severe Complications of Influenza Surveillance

(1st June 2019 to 30th September 2019)

The Department of Health has requested for APSU to conduct seasonal surveillance for severe complications of laboratory confirmed influenza in children aged < 15 years and admitted to hospital. This surveillance will inform future vaccination policy and improve our understanding of severe influenza disease in children.

Severe Complications of Influenza will be added to the routine monthly APSU report card. However, we ask that you report children that meet the case definition criteria as soon as possible by completing an online version of the case report form or by filling out the reverse of this page and returning it to the APSU by e-mail or fax.

<u>Aim</u>: To document the clinical features, medical and vaccination history, and outcome of children admitted to hospital with severe complications of influenza.

Case Definition:

Any child aged < 15 years with laboratory confirmed influenza **AND** admitted to hospital **AND** who have at least one of the following complications:

- Pneumonia (Confirmed on X-ray or microbiology)
- Oxygen requirement
- Mechanical ventilation
- Laboratory proven secondary bacterial co-infection; Bacteraemia; Septicaemia;
- Encephalitis / encephalopathy
- Seizures (including simple febrile seizure, prolonged or focal seizure or status epilepticus)
- Transverse myelitis
- Polyneuritis / mononeuritis
- Guillain-Barré syndrome

- Reye Syndrome
- Myocarditis; Pericarditis; Cardiomyopathy
- Rhabdomyolysis
- Purpura fulminans
- Disseminated coagulopathy
- Shock (requiring >40 ml/kg fluid resuscitation)
- Acute renal failure
- Death, including death at presentation to hospital

Please do not report children hospitalised for influenza who do not have severe complications

If you have seen a case of severe hospitalised influenza please report the child to the APSU as soon as possible by using this **secure web link to complete an online case report form:** https://redcap.sydney.edu.au/surveys/?s=M3FYEAL93H

OR please complete the case report form overleaf, scan and email to <u>schn-apsu@health.nsw.gov.au</u> or fax to (02) 9845 3082

Additional case report forms may be downloaded from: <u>http://apsu.org.au/studies/current/</u>

If you require assistance with this surveillance study, please contact the APSU by phone (02) 9845 3005 or email <u>schn-apsu@health.nsw.gov.au</u>

	in Children < 15 Years (1 st June 2019 to 30 th September 2019) ralian Paediatric Surveillance Unit
	ralian Paediatric Surveillance Unit nce with this questionnaire. Additional questionnaires can be downloaded from <u>www.apsu.org.au</u>
	ing the appropriate box or writing your response in the space provided. DK= Don't Know
	Ph: Email: Email:
2. Hospital: AF	PSU code (<i>if have one</i>)3. Date questionnaire completed:
PATIENT DETAILS: 4. First 2 letters of first name:	5. First 2 letters of surname:
7. Sex: M F Postcode of family: H	9. Country of Birth: Australia Other (specify) DK
10 . Ethnicity: Aboriginal Torres Strait Islander	Both Aboriginal and Torres Strait Islander
Pacific Islander Middle Eastern	African Other (specify) UDK
SECTION A: Diagnosis, Presentation and Treatment	
11. Date of onset of symptoms:	12. Date of 1 st admission to hospital:
13. Admitted to ICU?	13(a). If yes, specify date of admission to ICU:
14. How was influenza confirmed?	□ Nasopharyngeal aspirate □Other (<i>specify</i>):
15. Which lab tests were +ve for influenza?	LIF LSerology LRapid Antigen Test
16. Results: Influenza type?	17. Was further sub-typing done? Yes No DK
18. If Yes, Which sub-type was present? (e.g. H1N1-09, H3N2, Shanghai-like, Malaysia-like)	
19. Which of the following symptoms were apparent on presentation to hospital?	20. Please tick all <u>complications present during the hospital stay</u>
Fever	Pneumonia (X-ray confirmed) Oxygen therapy needed? Machanical Vartifician of the how long?
	 Mechanical Ventilation? <i>If yes,</i> for how long?Days Encephalitis / encephalopathy
Dyspnoea	Seizure (specify type):
Sore throat	Myocarditis Pericarditis Cardiomyopathy
	□ Rhabdomyolysis
	Purpura fulminans Disseminated coagulopathy
Headache	Transverse myelitis Polyneuritis Mononeuritis
Malaise / lethargy	Guillain-Barré syndrome
 Myalgia Confusion / disorientation 	Shock (requiring > 40 ml/kg fluid resuscitation)
Seizure / unconsciousness	Acute renal failure Reye Syndrome
Rash	Laboratory proven bacterial co-infection ; Specify organism and site:
Other (specify)	Laboratory proven viral co-infection ; Specify organism and site:
21. Any other complications?	
_	Ienza LI Neither LI DK Date Commenced: LILI/LILI/LILI
	(c) 🗀 Ibuprofen <i>(e.g. Nurofen)</i> 🗀 Other NSAIDS 🔛 Aspirin
SECTION B: Underlying medical conditions and history	
23. Is the child immunocompromised (e.g. HIV+ve, primary immunodeficiency, treated for malignancy)? Yes No DK	
 If Yes, specify	
If yes, which one(s)? Cystic fibrosis Congenital heart disease Neuromuscular disorder Asthma	
\Box Other chronic lung disease \Box Other (<i>specify</i>)	
	IS? Yes No DK <i>If yes,</i> when? DK
26. If yes which vaccine?	
27. Has the child been vaccinated against pneumococcus?	
28. Prior to admission did the child have contact with a person with lab confirmed influenza? \Box Yes \Box No \Box DK	
29. <i>If yes,</i> who was the contact person? (eg. Parent, sibling,	
30. Was the contact person a: Child Adult	31. Age of contact person? DK
32. Did the child travel overseas in the 10 days before onset of symptoms? 🗌 Yes 🗌 No 🗍 DK If yes, where?	
33. Has the child had close contact with farm animals in the past 10 days? \Box Yes \Box No \Box DK <i>If yes,</i> what type?	
SECTION C: Outcome	
34 . At the time of reporting, was the child	Hospitalised Discharged Alive Died
35 . Date of Discharge or Death	36. If died, autopsy performed? Yes No DK
37 . Were there any ongoing problems on discharge? Yes No DK <i>If yes,</i> specify	
Please return this case report form ASAP by email to schn-apsu@health.nsw.gov.au_or_via FAX: (02) 9845 3082	