

Victorian Weekly Influenza Report

Health Protection Branch

Report : 06/2018 Issue date: 03 July 2018 (Week 27)

This report comprises data as at: Week 26 (week ending Sat 30 June)

Summary

- **Notified cases:**
 - Cases in **Week 26** are slightly **LOWER** when compared with cases for the week prior
 - Cases (since 1 January 2018) are tracking **LOWER THAN** cases for the same time in 2017, but are **WITHIN EXPECTED LEVELS** for this time of the season
 - The influenza season (since 1 April 2018) is currently: **at baseline levels**
 - The predominant influenza type across the state is currently: **Type A/H1 (very limited typing available currently, so the predominant subtype may change as the season progresses)**
 - Geographical spread¹ is currently: **SPORADIC**, with case numbers remaining low
- **Vaccine distribution figures*:**
 - Influenza vaccine doses distributed state-wide: **1,647,810 doses (as at 25 June 2018)**

****excludes vaccines purchased from the private market, workplace programs, etc.***
Distribution figures are reported from commencement of the 2018 Program (16 April 2018)

1. Definitions of geographic spread:

Sporadic – small numbers of laboratory-confirmed influenza cases reported, not above expected background level;

Localised – laboratory-confirmed influenza detections above background level in less than 50% of the state;

Regional – significant numbers of laboratory-confirmed influenza cases reported above background level in less than 50% of the state;

Widespread – significant numbers of laboratory confirmed influenza cases reported above background level in equal to or greater than 50% of the state.

Victorian Influenza Snapshot

Report issued: 03/07/2018

Notified cases as at week ending (WE): 30/06/18

Influenza types	Week -1 WE 30/06/18	Week -2 WE 23/06/18	Trend week-2 to week-1	% change (week-2 to week-1)	2018 YTD	2017 YTD	5 yr avg YTD (2013-17)	Trend 5 yr avg to 2018 YTD	% change (5 yr avg - 2018 YTD)
▲									
Influenza A	15	26	▽	-42.3%	1350	2391	1375.6	▽	-1.9%
Influenza B	7	8	▽	-12.5%	1126	646	487.8	▲	130.8%
Other/not typed	3	1	▲	200.0%	69	12	13.6	▲	407.4%

Age group (years)	Week -1 WE 30/06/18	Week -2 WE 23/06/18	Trend week-2 to week-1	% change (week-2 to week-1)	2018 YTD	2017 YTD	5 yr avg YTD (2013-17)	Trend 5 yr avg to 2018 YTD	% change (5 yr avg - 2018 YTD)
▲									
00 to 04	2	3	▽	-33.3%	198	204	142.2	▲	39.2%
05 to 14	1	6	▽	-83.3%	229	339	202.2	▲	13.3%
15 to 64	16	19	▽	-15.8%	1581	1778	1140.6	▲	38.6%
65+	6	7	▽	-14.3%	536	728	389.6	▲	37.6%
Unknown	0	0	--	--	1	0	2.4	▽	-58.3%
Total	25	35	▽	-28.6%	2545	3049	1877	▲	35.6%

SIZE

VicSPIN sentinel GP consultations for influenza-like illness (ILI) as at: 23/06/2018

ILI rate per 1000 consults	ILI rate per 1000 consults	ILI presentations	ILI presentations	ILI presentations (YTD)	% Pos specimens Influenza	% Pos specimens Influenza
▲ WE 23/06/18	WE 16/06/18	WE 23/06/18	WE 16/06/18		WE 23/06/18	WE 16/06/18
2.8	3.0	16	15	121	0.0%	0.0%

SPREAD/ SEVERITY

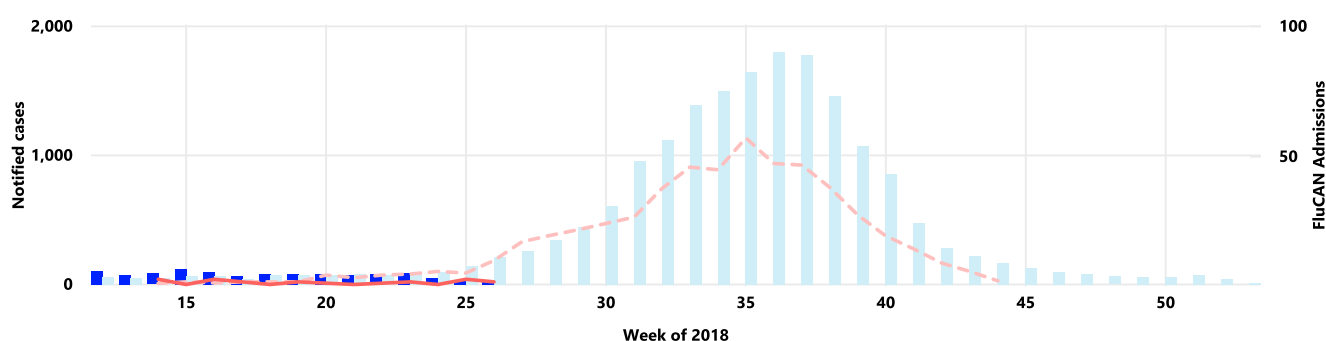
FluCAN sentinel hospital admissions (at 4 sites) for laboratory-confirmed influenza as at: 02/07/2018

	Rate of admissions per 100 hospital beds	Rate of admissions per 100 hospital beds	ICU Proportion	ICU Proportion	2018 admissions (YTD)	2017 admissions (YTD)	Admissions YTD 5 yr avg (2013-2017)	% change (YTD 5 yr avg - 2018 YTD)
▲	WE 30/06/18	WE 23/06/18	WE 30/06/18	WE 23/06/18				
Victoria	0.110	0.160	0	0	21	82	51.8	-59.5%

SEVERITY

Epidemiological curves for influenza surveillance sources YTD 2018

● Notifications ● Notifications 5 yr avg (2013-2017) ● FluCAN 5 yr avg (2013-2017) ● FluCAN influenza cases



SIZE / SEVERITY / SPREAD

Respiratory outbreaks due to influenza Residential Aged Care Facilities YTD

Year	Outbreaks	Resident Cases	Hospitalisations
▲			
2018	8	79	6
2017	12	129	14

SPREAD/ SEVERITY

Data are year to date



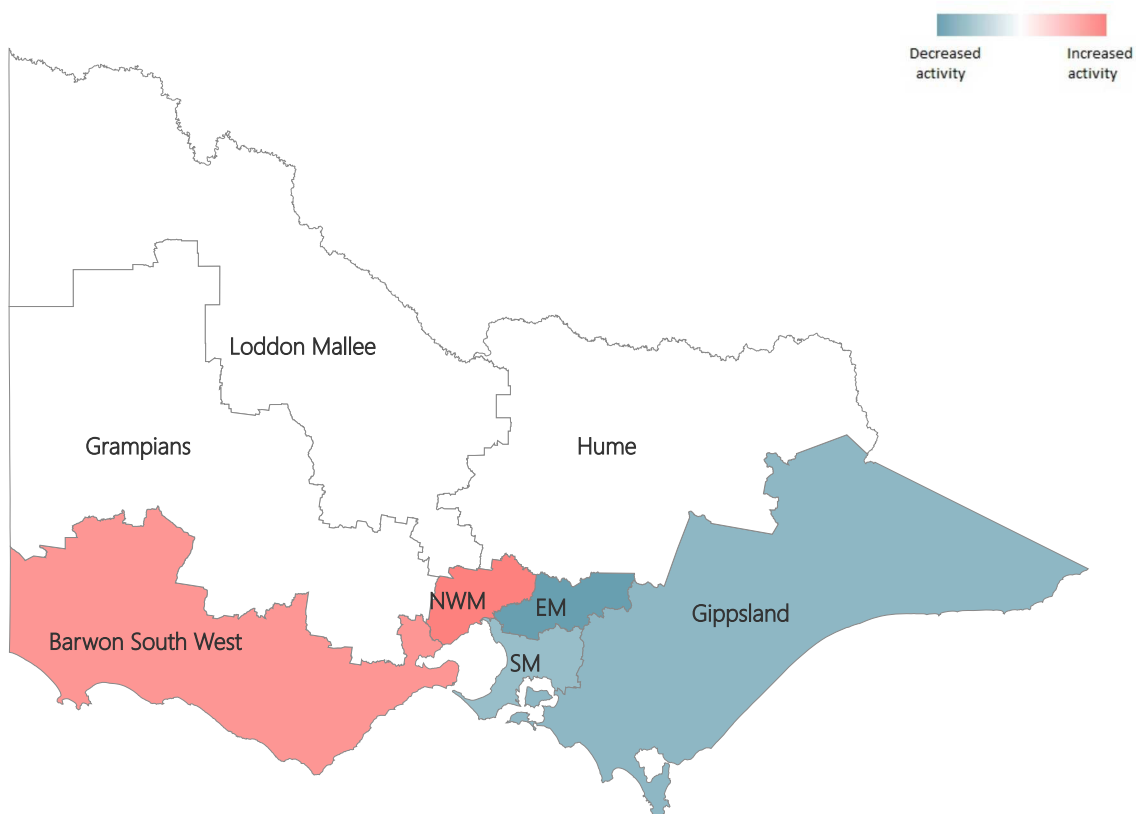
Data are subject to revision. Release dates vary by dataset.

Influenza Snapshot by region

Report issued: 03/07/2018

Region	Week -1	Week -2	Trend week-2 to week-1	% change (week-2 to week-1)	2018 YTD	2017 YTD	5 year avg YTD (2013-17)	Trend 5 yr avg to 2018 YTD	% change (5 year avg to 2018 YTD)
▲ <i>Unknown / blank</i>	2	0	▲	--	27	26	19.6	▲	37.8%
BARWON SOUTH WEST	2	1	▲	100.0%	124	139	110.8	▲	11.9%
EASTERN METROPOLITAN	3	9	▽	-66.7%	612	698	354.6	▲	72.6%
GIPPSLAND	1	2	▽	-50.0%	80	111	73	▲	9.6%
GRAMPIANS	0	1	▽	--	71	64	35	▲	102.9%
HUME	0	5	▽	--	83	57	48.8	▲	70.1%
LODDON MALLEE	0	1	▽	--	69	98	54.6	▲	26.4%
NORTHERN AND WESTERN METROPOLITAN	11	5	▲	120.0%	715	854	581.6	▲	22.9%
SOUTHERN METROPOLITAN	6	11	▽	-45.5%	764	1002	599	▲	27.5%

% Week on week change (week 2-week1) by region



Data are subject to revision. Release dates vary by dataset.

Glossary of terms and data sources

<p>Notified cases of laboratory-confirmed influenza</p>	<p>It is a Victorian statutory requirement that laboratories and medical practitioners notify the Department of Health and Human Services (the department) of a case of laboratory-confirmed influenza within five days of confirmation. These data are stored in the department's notifiable diseases database, the Public Health Event Surveillance System (PHESS). During influenza season, data on notified cases are reported weekly (a week is defined as Sunday to Saturday). Whilst laboratory reporting is increasing due to the widespread availability of influenza testing, notifications from medical practitioners are declining.</p>
<p>Respiratory outbreaks notified to the Health Protection Branch</p>	<p>A subset of the notifications dataset, respiratory outbreaks in residential aged care facilities are reported on a weekly basis. Only outbreaks due to influenza will be reported in 2018. Hospitalisations will also be reported.</p>
<p>VicSPIN</p>	<p>The Victorian Sentinel Practice Influenza Network (VicSPIN) is a sentinel general practitioner (GP) surveillance program funded by the department, and coordinated by the Epidemiology Unit of the Victorian Infectious Diseases Reference Laboratory (VIDRL) based at the Peter Doherty Institute for Infection and Immunity. VIDRL is one of the department's two public health reference laboratories. Approximately 90 GPs submit weekly reports from May to October detailing the proportion of their consultations that were for patients with influenza-like illness and the proportion that were swabbed for virological testing.</p>
<p>FluCAN</p>	<p>The Influenza Complications Alert Network (FluCAN) is a rapid alert system for severe respiratory illness. The sentinel surveillance system is a national system (across 21 major hospitals throughout Australia) providing both clinical and laboratory information for reported cases. The following four Victorian hospitals are participating: The Alfred Hospital, Royal Melbourne Hospital, Monash Medical Centre, and University Hospital Geelong.</p>