

Victorian Weekly Influenza Report

Health Protection Branch

Report: 21/2018 Issue date: 17 October 2018 (Week 42)

This report comprises data as at: Week 41 (week ending Sat 13 October)

Summary

- **Notified cases:**

- Cases in **Week 41** are slightly **HIGHER** when compared with cases for the week prior
- Cases (since 1 January 2018) are tracking **LOWER THAN** cases for the same time in 2017, and are **at EXPECTED LEVELS** for this time of the season
- The influenza season (since 1 April 2018) is currently: **above baseline levels and a late season**
- The predominant influenza type (and subtype) across the state is currently: **Type A/H1N1 (Very limited typing available currently, and the predominant subtype may change as the season progresses)**
- Geographical spread¹ is currently: **LOCALISED**
- There were **2** new respiratory outbreaks due to laboratory-confirmed influenza in Residential Aged Care Facilities identified this week
- Rate of hospital admissions with confirmed influenza at the four sentinel sites in Victoria is **LOWER** when compared with the previous week

- **Vaccine distribution figures*:**

Influenza vaccines distributed state-wide: **1,787,982** doses (as at **12 October 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: 17/10/2018

Notified cases at week ending: 13/10/18

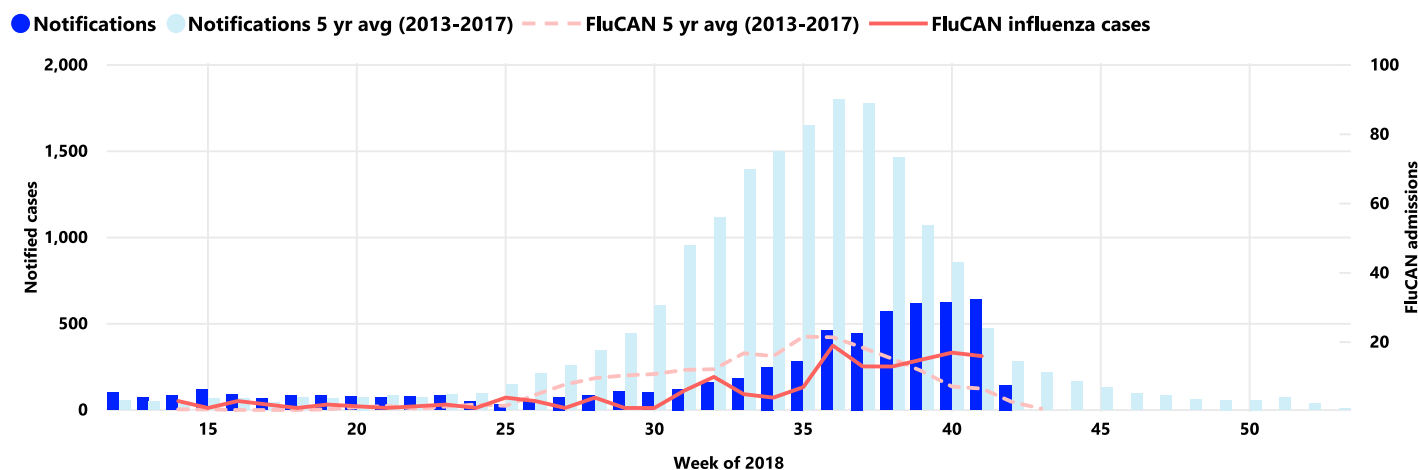
Influenza Type	Week -1 WE 13/10/18	Week -2 WE 06/10/18	Trend week-2 to week-1	% change (week-2 to week-1)	2018 YTD	2017 YTD	5 yr avg YTD (2013-17)	Trend 5 yr avg to 2018 YTD	% change (5 yr avg to 2018 YTD)
Other/not typed	13	7	▲	86%	159	197	78.4	▲	103 %
Influenza B	88	75	▲	17%	1965	18366	6356.8	▽	-69 %
Influenza A	540	540	--	0%	5335	27975	11194.2	▽	-52 %

Age group (years)	Week -1 WE 13/10/18	Week -2 WE 06/10/18	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 to 2018 YTD)
00 to 04	53	78	▽	-32%	732	3816	1472.8	▽	-50 %
05 to 14	46	60	▽	-23%	1042	7226	2597.4	▽	-60 %
15 to 64	437	380	▲	15%	4480	25103	9849.8	▽	-55 %
65+	104	104	--	0%	1202	10381	3696.8	▽	-67 %
Unknown	0	0	--	--		1	3.2		--
Total	640	622	▲	3%	7456	46527	17620	▽	-58 %

FluCAN sentinel hospital admissions (at 4 sites) for laboratory-confirmed influenza as at: 15/10/18

	Admissions per 100 beds WE 13/10/18	Admissions per 100 beds WE 06/10/18	ICU proportion WE 13/10/18	ICU proportion WE 06/10/18	2018 admissions (YTD)	2017 admissions (YTD)	Admissions YTD 5 yr avg (2013- 2017)	% change (YTD 5 yr avg - 2018 YTD)
Victoria	0.05	0.86	0	6.3	155	1070	214	-28%

Epidemiological curves for influenza surveillance sources YTD 2018



Respiratory outbreaks due to influenza in Residential Aged Care Facilities YTD as at: 13/10/18

Year	Outbreaks influenza	Resident cases	Hospitalisations
2018	19	280	32
2017	270	3842	452



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

Data are year to date

SIZE

SEVERITY

SIZE / SEVERITY / SPREAD

SPREAD/ SEVERITY

Victorian Influenza Snapshot

Report issued: 17/10/2018

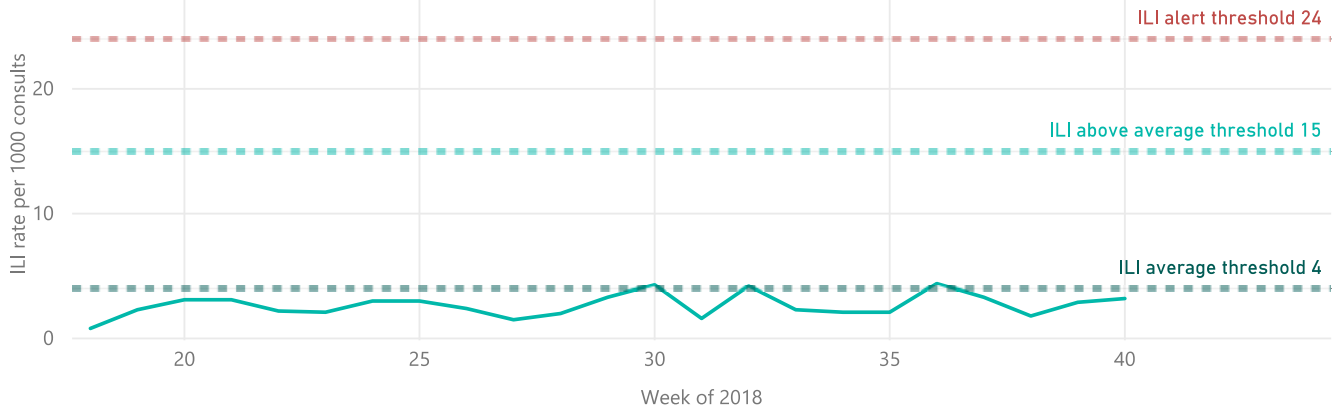
SPREAD/ SEVERITY

VicSPIN sentinel GP consultations for influenza-like illness (ILI) as at: 06/10/18

ILI rate per 1000 consults	ILI rate per 1000 consults	ILI presentations	ILI presentations	ILI presentations (YTD)	% Pos specimens Influenza	% Pos specimens Influenza
▲ WE 06/10/18	WE 29/09/18	WE 06/10/18	WE 29/09/18		WE 06/10/18	WE 29/09/18
3.2	2.9	17	14	370	40 %	17 %

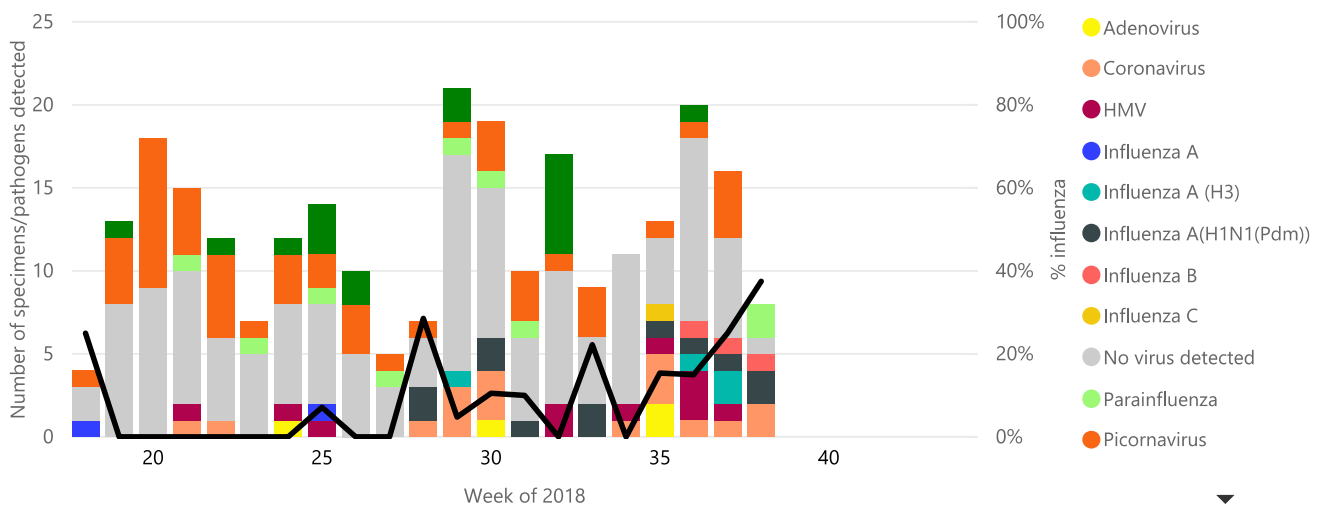
SPREAD/ SEVERITY

VicSPIN consultation rate for ILI (per 1000 patients) as at: 06/10/18



SIZE / SEVERITY / SPREAD

VicSPIN respiratory pathogens as at: 06/10/18

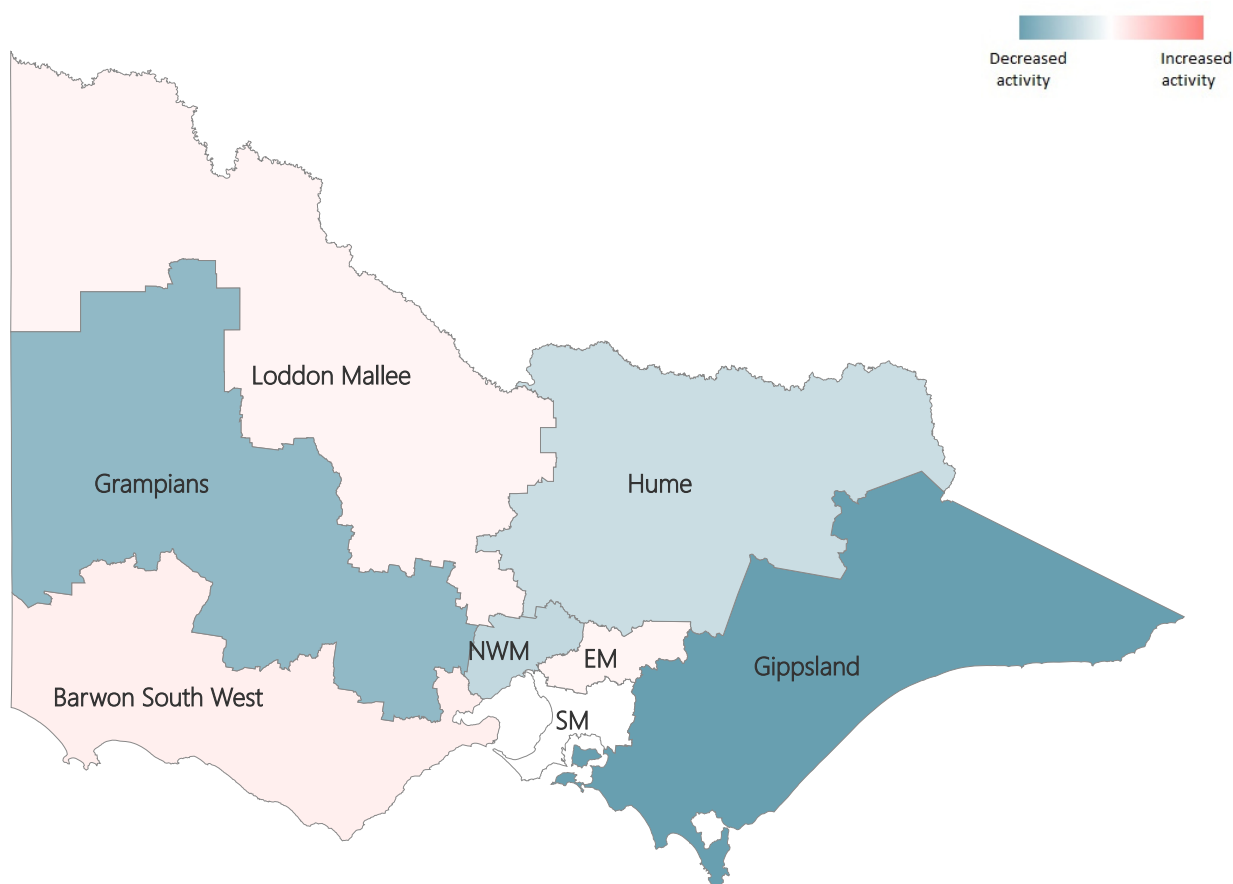


Influenza Snapshot by region

Report issued: 17/10/2018

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)
Unknown / blank	19	7	▲	171%	86	199	102	▼	-16 %
BARWON SOUTH WEST	33	27	▲	22%	403	2640	1028.8	▼	-61 %
EASTERN METROPOLITAN	81	71	▲	14%	1305	9270	3317.4	▼	-61 %
GIPPSLAND	34	37	▼	-8%	301	2500	850.4	▼	-65 %
GRAMPIANS	16	17	▼	-6%	201	1270	436.6	▼	-54 %
HUME	34	35	▼	-3%	321	1827	724.6	▼	-56 %
LODDON MALLEE	23	20	▲	15%	273	1620	561.2	▼	-51 %
NORTHERN AND WESTERN METROPOLITAN	236	244	▼	-3%	2515	13644	5296.4	▼	-53 %
SOUTHERN METROPOLITAN	164	163	▲	1%	2049	13546	5302	▼	-61 %

% 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. This report will focus primarily on Respiratory Outbreaks due to Laboratory-confirmed Influenza however a total of all Respiratory Outbreaks reported will also be provided (i.e. Respiratory Outbreaks due to other pathogens). 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. VicSPIN defines influenza-like illness as: cough plus fever plus malaise and/or fatigue.</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. The rate of admissions with confirmed influenza is calculated per 100 hospital beds at respective FluCAN sites.</p>