

Victorian Weekly Influenza Report

Health Protection Branch

Report: 07/2018 Issue date: 10 July 2018 (Week 28)

This report comprises data as at: Week 27 (week ending Sat 7 July)

Summary

- **Notified cases:**

- Cases in **Week 27** 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, 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/H1N1 (very limited typing available currently, the predominant subtype may change as the season progresses)**
- Geographical spread¹ is currently: **SPORADIC** with case numbers remaining low
- There were **NO** 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 **slightly LOWER** when compared with the previous week

- **Vaccine distribution figures*:**

Influenza vaccines distributed state-wide: **1,676,255** doses (as at **9 July 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: 10/07/2018

Notified cases at week ending: 07/07/18

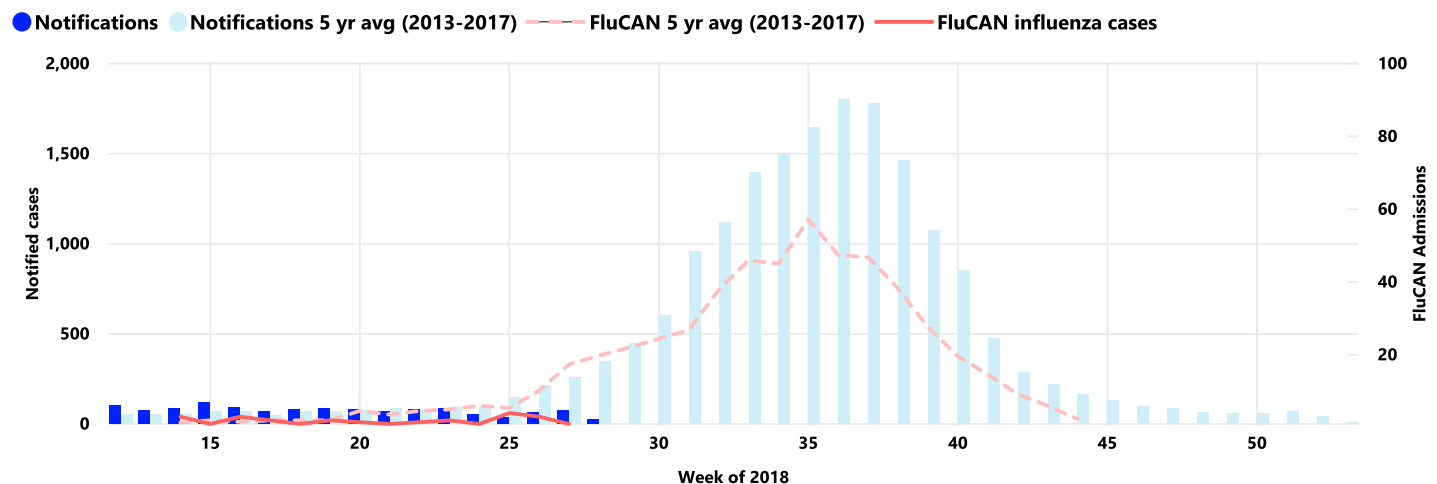
| Influenza types | Week -1 WE 07/07/18 | Week -2 WE 30/06/18 | Trend week-2 to week-1 | % change (week-2 to week-1) | 2018 YTD | 2017 YTD | 5 yr avg YTD (2013-17) | Trend 5 yr avg to 2018 YTD | % change (5 yr avg to 2018 YTD) |
|-----------------|------------------------|------------------------|------------------------------|-----------------------------------|-------------|-------------|------------------------------|----------------------------------|---------------------------------------|
| Influenza A | 50 | 44 | ▲ | 13.6% | 1448 | 2888 | 1564.4 | ▽ | -7.4% |
| Influenza B | 22 | 17 | ▲ | 29.4% | 1164 | 755 | 570 | ▲ | 104.2% |
| Other/not typed | 4 | 3 | ▲ | 33.3% | 75 | 12 | 14 | ▲ | 435.7% |

| Age group (years) | Week -1 WE 07/07/18 | Week -2 WE 30/06/18 | 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 to 2018 YTD) |
|-------------------|------------------------|------------------------|------------------------------|-----------------------------------|-------------|-------------|------------------------------|----------------------------------|---------------------------------------|
| 00 to 04 | 12 | 8 | ▲ | 50.0% | 221 | 254 | 167.4 | ▲ | 32.0% |
| 05 to 14 | 17 | 9 | ▲ | 88.9% | 256 | 424 | 240 | ▲ | 6.7% |
| 15 to 64 | 35 | 35 | -- | 0.0% | 1651 | 2129 | 1300.6 | ▲ | 26.9% |
| 65+ | 12 | 12 | -- | 0.0% | 558 | 846 | 437.4 | ▲ | 27.6% |
| Unknown | 0 | 0 | -- | -- | 1 | 2 | 3 | ▽ | -66.7% |
| Total | 76 | 64 | ▲ | 18.8% | 2687 | 3655 | 2148.4 | ▲ | 25.1% |

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

| | Admissions per 100 beds WE 07/07/18 | Admissions per 100 beds WE 30/06/18 | ICU Proportion WE 07/07/18 | ICU Proportion WE 30/06/18 | 2018 admissions (YTD) | 2017 admissions (YTD) | Admissions YTD 5 yr avg (2013- 2017) | % change (YTD 5 yr avg - 2018 YTD) |
|----------|---|---|----------------------------------|----------------------------------|-----------------------------|-----------------------------|--|--|
| Victoria | 0.054 | 0.160 | 0 | 0 | 24 | 121 | 71.2 | -66.3% |

Epidemiological curves for influenza surveillance sources YTD 2018



Respiratory outbreaks due to influenza Residential Aged Care Facilities YTD

| Year | Outbreaks | Resident Cases | Hospitalisations |
|------|-----------|----------------|------------------|
| 2018 | 8 | 79 | 6 |
| 2017 | 14 | 159 | 16 |



Data are year to date

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

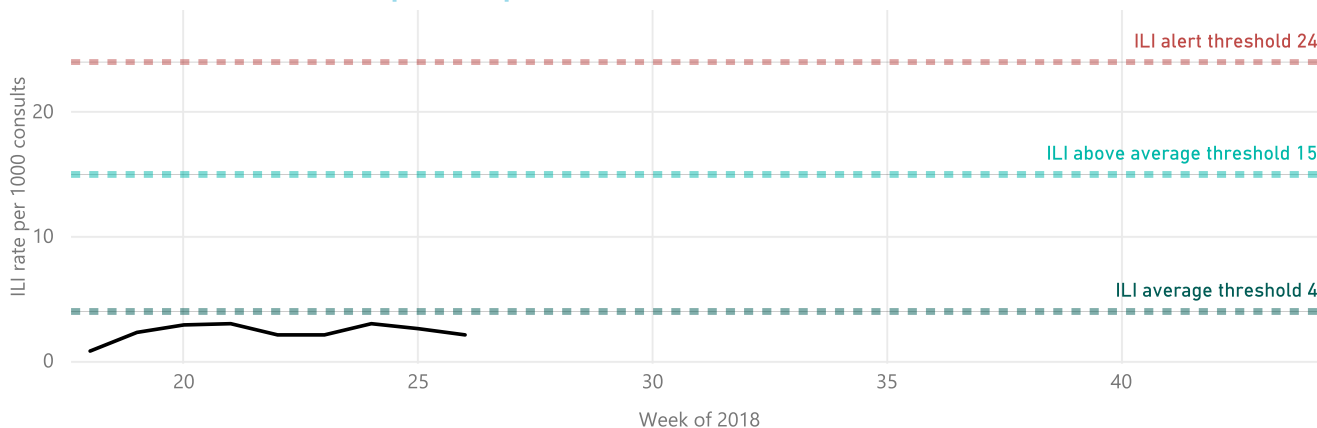
Victorian Influenza Snapshot

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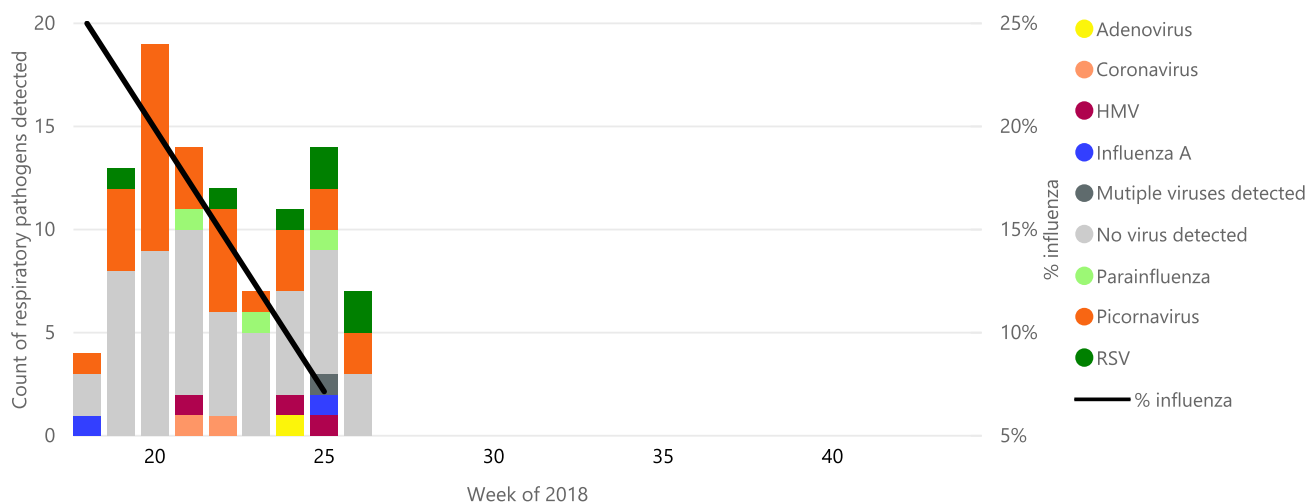
VicSPIN sentinel GP consultations for influenza-like illness (ILI) as at: 23/06/2018

| ILI rate per 1000 consultations | ILI rate per 1000 consultations | ILI presentations | ILI presentations | ILI presentations | % Pos specimens Influenza | % Pos specimens Influenza |
|---------------------------------|---------------------------------|-------------------|-------------------|-------------------|---------------------------|---------------------------|
| ▲ WE 30/06/18 | WE 23/06/18 | WE 30/06/18 | WE 23/06/18 | (YTD) | WE 30/06/18 | WE 23/06/18 |
| 2.1 | 2.6 | 12 | 15 | 133 | 0.0% | 7.1% |

VicSPIN consultation rate for ILI (per 1000 patients) as at: 23/06/18



VicSPIN respiratory pathogens as at: 23/06/18

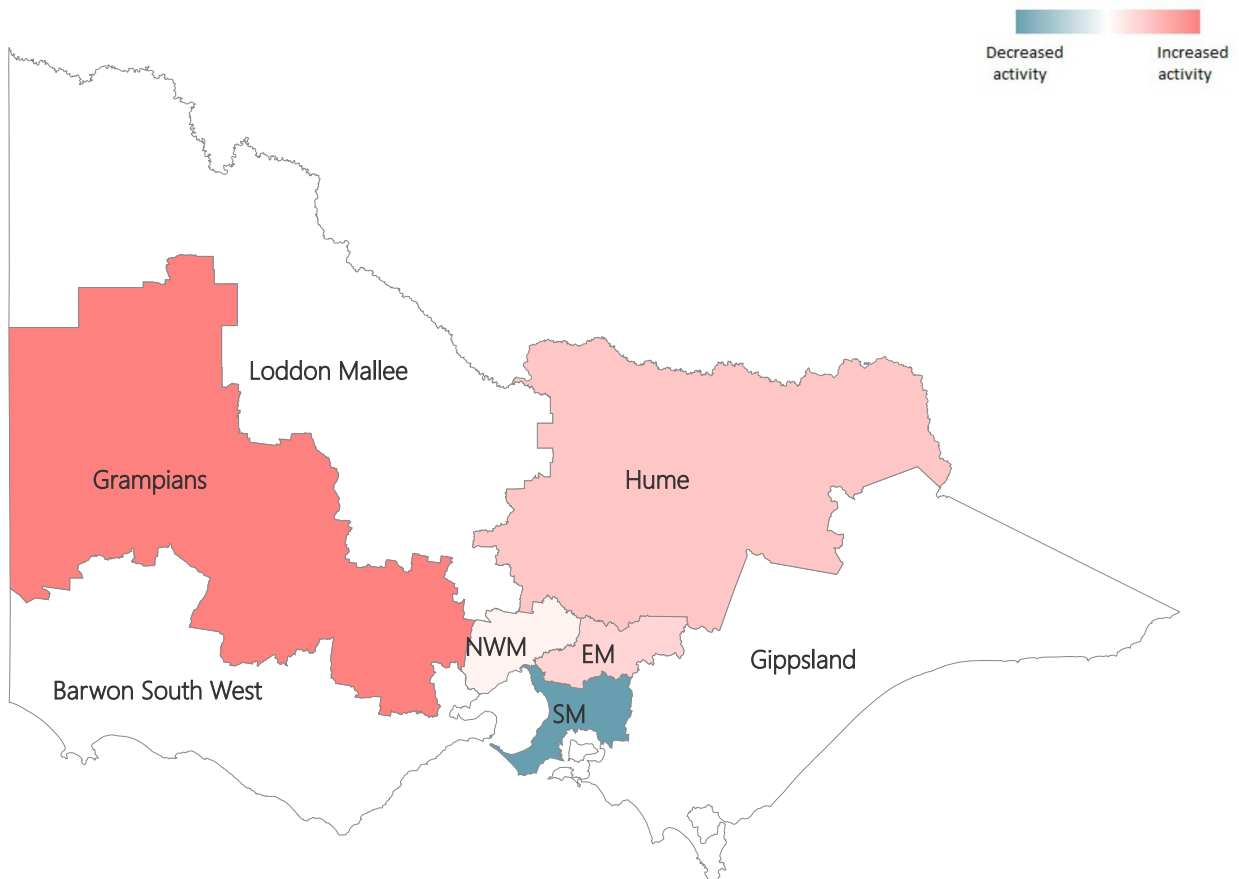


Influenza Snapshot by region

Report issued: 10/07/2018

| 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> | 0 | 2 | ▼ | -- | 27 | 29 | 20.6 | ▲ | 31.1% |
| BARWON SOUTH WEST | 4 | 4 | -- | 0.0% | 131 | 181 | 125.6 | ▲ | 4.3% |
| EASTERN METROPOLITAN | 10 | 5 | ▲ | 100.0% | 632 | 820 | 404.8 | ▲ | 56.1% |
| GIPPSLAND | 4 | 4 | -- | 0.0% | 87 | 133 | 82.8 | ▲ | 5.1% |
| GRAMPIANS | 4 | 1 | ▲ | 300.0% | 78 | 77 | 40.6 | ▲ | 92.1% |
| HUME | 7 | 3 | ▲ | 133.3% | 94 | 71 | 56.4 | ▲ | 66.7% |
| LODDON MALLEE | 1 | 1 | -- | 0.0% | 71 | 122 | 63.4 | ▲ | 12.0% |
| NORTHERN AND WESTERN METROPOLITAN | 35 | 27 | ▲ | 29.6% | 781 | 1027 | 670 | ▲ | 16.6% |
| SOUTHERN METROPOLITAN | 11 | 17 | ▼ | -35.3% | 786 | 1195 | 684.2 | ▲ | 14.9% |

% 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> |