



Invasive Meningococcal Disease: 2018

Los Angeles County Epidemiology Report

February 16, 2018



No new cases of invasive meningococcal disease (IMD) were reported this week in LAC. A total of 2 IMD cases have been identified in 2018 in LAC, including one fatality (Table 1). The fatality has been determined by molecular analysis to have been infected with the outbreak strain. Further, the second case has been found to be serogroup C. However, neither of these cases are associated with high risk factors for IMD. The regional outbreak due to serogroup C, occurring primarily among MSM*, has been ongoing since March 2016, and includes 37 cases from jurisdictions throughout southern California. All serogroup C cases in LAC in 2016-2017 are outbreak-associated, though do not have direct social links to each other or other outbreak cases. No common social linkages among outbreak-associated cases in the region have been identified. The past year's increases in IMD in LAC highlight the importance of observing meningococcal vaccination recommendations for certain high risk groups (see box). Providers should implement evidence-based practices to ensure completion of the 2-dose vaccination schedule for all HIV-infected persons.

*Men who have had intimate or sexual contact with another male.

Table 1. Characteristics of IMD Cases: Los Angeles County, 2016-2018

| | Number of Cases | Demographics | | MSM | Serogroups | | | | | | Deaths | |
|-------------------|-----------------|--------------|--------------------|-----|------------|----|---|---|---------------|----------------|--------|---|
| | | Gender M/F | Median Age (Range) | | B | C | Y | W | Non-Groupable | Not Typed | | |
| 2018 ¹ | 2 | 2/0 | 45 (-) | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 |
| 2017 | 10 | 5/5 | 25.5 (12-72) | 2 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2016 | 20 | 15/5 | 30.5 (13-76) | 9 | 5 | 10 | 1 | 2 | 1 | 1 ² | 0 | 0 |

¹ Count as of Friday 2/16/2018. Excludes reports from Long Beach and Pasadena. Totals are provisional and subject to change.

² Not available for typing.

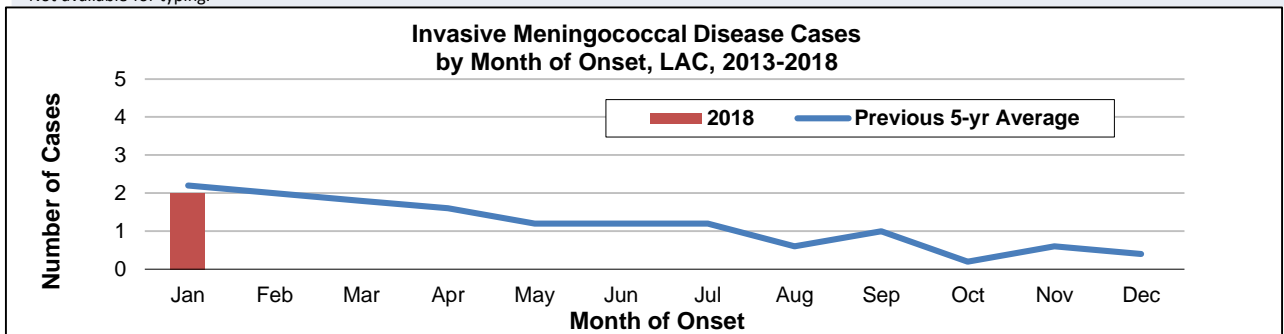


Table 2. IMD Cases by Service Planning Area (SPA) Los Angeles County, 2017-2018

| LOCATION | This Year ¹ | 2017 |
|------------------------|------------------------|----------------|
| SPA 1: Antelope Valley | 0 | 0 |
| SPA 2: San Fernando | 1 | 2 |
| SPA 3: San Gabriel | 1 | 0 |
| SPA 4: Metro | 0 | 1 ² |
| SPA 5: West | 0 | 2 |
| SPA 6: South | 0 | 2 |
| SPA 7: East | 0 | 2 |
| SPA 8: South Bay | 0 | 1 |
| TOTAL | 2 | 10 |

¹ Count as of Friday, 2/16/2018. Excludes Long Beach and Pasadena. Totals are provisional and subject to change.

² Includes a case who traveled out of county during incubation period.

Recommendations and Resources

LACDPH recommends meningococcal conjugate vaccine be offered to:

- All MSM, regardless of HIV status;
- All HIV-infected persons.

Routine vaccination is recommended for all persons 11-12 years of age, with a booster dose at 16 years.

For IMD epidemiology reports and more information:

www.publichealth.lacounty.gov/acd/Mening.htm

For questions, please call:

Acute Communicable Disease Control (213) 240-7941

LACDPH continues to work with our community partners to provide updated information as it becomes available. If community groups are interested in a presentation about invasive meningococcal disease (IMD), please contact the Public Health Speaker's Bureau at:

www.publichealth.lacounty.gov/hea/speakers.htm