



Health Alert



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Vaccination Recommendations Ahead of 2018 Pride Events

SUMMARY AND ACTION ITEMS

- Upcoming Pride events, as well as students returning home from college, may increase risk of mumps transmission.
- Nearby Hepatitis A outbreaks may increase risk of Hepatitis A transmission from travelers to Chicago residents.
- This is the time of year to get all **high-risk adults**--including men who have sex with men (MSM) and HIV-positive individuals--up to date on recommended vaccines including:
 - **Meningococcal conjugate vaccine:** Revaccination every 5 years
 - **Hepatitis A vaccine:** One-time vaccination series (2 doses of Vaqta[®] or Havrix[®] or 3 doses of Twinrix[®])
 - **Measles, Mumps, Rubella (MMR) vaccine:** 2 documented doses, serologic proof of immunity, or at least 1 dose now if vaccination status is unknown. Consider 3rd dose of MMR to HIV-positive patients with CD4_≥200.

Background:

Upcoming Pride events in June and July, as well as college students returning home for the summer, will place Chicago at increased risk of transmission of several vaccine-preventable diseases. Therefore, Chicago Department of Public Health (CDPH) is making recommendations for prevention of mumps, hepatitis A and invasive meningococcal disease (IMD).

Mumps: So far in 2018, CDPH has received reports of 39 confirmed or probable mumps cases, compared to 31 cases in all of 2017. Among the 2018 cases, 34 (79%) are adults over 18 years, 41% of whom are HIV-positive and 53% of whom identify as men who have sex with men (MSM) or report social contact with MSM. Common social networks are suspected but no clear setting where transmission has occurred has been identified (including no Chicago college settings to date). Within the past 2 months, complications such as orchitis/oophoritis and difficulty hearing appear to be more common among Chicago cases than rates reported by CDC from recent national outbreaks. Of note, Western Illinois University (WIU) is currently experiencing a mumps outbreak and returning students may also increase the risk of local mumps transmission.

Hepatitis A: Although local transmission of hepatitis A among high-risk individuals (such as MSM, individuals with chronic liver disease, IV drug users, homeless) has stopped, Michigan, Utah, Kentucky, Indiana, West Virginia, and Missouri are all currently experiencing large hepatitis A outbreaks that may put Chicago individuals at risk.

Invasive Meningococcal Disease (IMD): During the 2015-2017 Serogroup C IMD outbreak in Chicago, CDPH recommended that all MSM receive one dose of meningococcal conjugate vaccine (i.e., Menactra[®], Menveo[®]) and that HIV-infected and immunocompromised individuals receive 2 doses, separated by 8 weeks. Though we are not currently experiencing an outbreak, we continue to recommend that persons at increased risk of meningococcal disease receive revaccination every 5 years.

Interim Vaccination Recommendations:

- All MSM, individuals who regularly socialize with MSM, and those who plan to attend any Pride events this year should get up to date on meningococcal vaccine¹, Hepatitis A vaccine², and MMR at least 2 weeks prior to attending an event.
- For adult MMR vaccination, we recommend 2 documented doses, serologic proof of immunity, or at least 1 dose now if vaccination status is unknown. Health care providers can consider offering a 3rd dose of MMR vaccine to HIV-positive patients with CD4⁺ counts ≥ 200 cells/ μ L^{1,3} since these individuals may be at increased risk of complications.

Awareness, Counseling, and Reporting:

- Look out for symptoms of mumps (including less common complications), hepatitis A, and IMD.
- Appropriately counsel patients about avoiding congregate settings depending on their diagnosis (i.e., "Stay home for 5 days" from the onset of parotitis for mumps)
- Report diseases as soon as suspected to CDPH – visit Chicago Health Alert Network pages for specific information on how to report each disease including case report forms: [Mumps](#), [Hepatitis A](#), [Meningococcal disease](#)

Additional resources: For additional questions and consultation, please call CDPH VPD program at (312)746-5382.

¹ ACIP Adult Immunization Schedule: <https://www.cdc.gov/vaccines/schedules/downloads/adult/adult-combined-schedule.pdf>

² Hepatitis A walk-in vaccination locations: [February 1, 2018 Health Alert "Increase in Hepatitis A among MSM"](#)

³ [Recommendation of the ACIP for Use of a Third Dose of Mumps Virus-Containing Vaccine in Persons at Increased Risk for Mumps During an Outbreak](#), MMWR 2018;67:33–38.