

High rates of MenB vaccination advised in university outbreaks

February 14 2019



(HealthDay)—Achieving high serogroup B meningococcal (MenB)

vaccination coverage is recommended following university-based outbreaks of meningococcal disease caused by serogroup B, according to a study published online Feb. 13 in the U.S. Centers for Disease Control and Prevention *Emerging Infectious Diseases*.

Heidi M. Soeters, Ph.D., M.P.H., from the CDC in Atlanta, and colleagues reviewed university-based outbreaks of meningococcal disease caused by serogroup B and vaccination responses in the years following availability of MenB vaccine.

The researchers found that during 2013 to 2018, there were 10 university-based outbreaks in seven states, which resulted in 39 cases and two deaths. The universities at which outbreaks occurred had 3,600 to 35,000 undergraduates. The number of [outbreak](#) cases varied from two to nine; duration of outbreaks varied from zero to 376 days. MenB vaccination was implemented by all 10 universities: Seven used MenB-4C and three mainly used MenB-FHbp. There was noted variation in the estimated first-dose [vaccination coverage](#) from 14 to 98 percent. In five outbreaks, additional cases occurred six to 259 days following initiation of MenB vaccination.

"Efforts are under way to better understand MenB vaccine effectiveness and duration of protection, MenB vaccine strain coverage, and current risk factors for meningococcal disease among [university students](#)," the authors write. "This information, along with lessons learned when implementing MenB vaccination campaigns, could help guide and improve responses to future outbreaks."

More information: [Abstract/Full Text](#)

Copyright © 2019 [HealthDay](#). All rights reserved.

Citation: High rates of MenB vaccination advised in university outbreaks (2019, February 14)
retrieved 24 January 2023 from <https://medicalxpress.com/news/2019-02-high-menb-vaccination-university-outbreaks.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.