

# College students at increased risk for SgB meningococcal Dz

January 2 2019

---



(HealthDay)—College students have an increased risk for sporadic and

outbreak-associated serogroup B meningococcal disease, according to a study published online Dec. 31 in *Pediatrics*.

Sarah A. Mbaeyi, M.D., M.P.H., from the U.S. Centers for Disease Control and Prevention in Atlanta, and colleagues used data from the National Notifiable Diseases Surveillance System and enhanced meningococcal [disease](#) surveillance to compare the incidence and relative risk (RR) of meningococcal disease among [college students](#) and noncollege students aged 18 to 24 years during 2014 to 2016.

The researchers identified 166 cases of meningococcal disease among persons aged 18 to 24 years from 2014 to 2016, with an average annual incidence of 0.17 cases per 100,000 population. There were six serogroup B outbreaks on college campuses, accounting for 31.7 percent of serogroup B cases among college students during the study period. For serogroup B meningococcal disease, the RR for college students versus noncollege students was 3.54 (95 percent confidence interval, 2.21 to 5.41); the RR for serogroups C, W, and Y combined was 0.56 (95 percent confidence interval, 0.27 to 1.14). CC32/ET-5 and CC41/44 lineage 3 were the most common serogroup B clonal complexes identified.

"And now we can say that college students are at increased risk for serogroup B meningococcal disease," write the authors of an accompanying editorial. "Pediatricians and primary care providers have a more compelling reason to recommend serogroup B meningococcal vaccine for their patients who anticipate attending college."

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

Copyright © 2018 [HealthDay](#). All rights reserved.

Citation: College students at increased risk for SgB meningococcal Dz (2019, January 2)  
retrieved 6 May 2024 from

<https://medicalxpress.com/news/2019-01-college-students-sgb-meningococcal-dz.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.