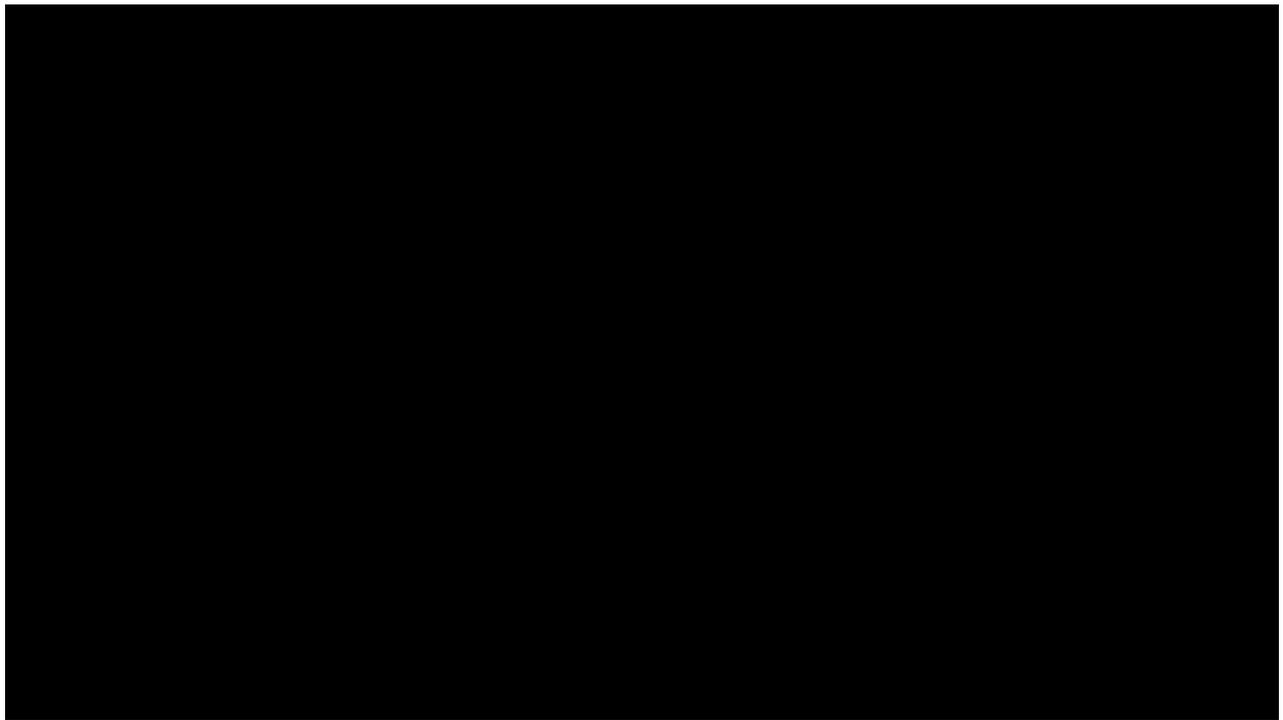




Why Meningitis B Vaccination Matters

Presented by
Patti Wukovits, RN





**MeningitisB
Action Project**
a joint initiative by The Kimberly Colley Foundation
and The Emily Gitman Foundation

I, like many parents, thought Kim was protected. But she wasn't.

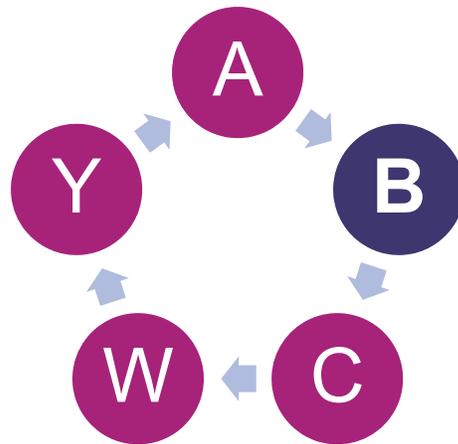
She had received the MenACWY vaccine, but the MenB vaccine was not yet available to help protect her from MenB. *It is today.*

About Meningitis B



Meningococcal disease is a life-threatening bacterial infection that can affect the lining of the brain and spinal cord, or it can cause an infection in the bloodstream - or both.

It is mainly caused by 5 types of meningococcal bacteria - ABCWY.



About Meningitis B



IT IS **EASY TO SPREAD** from person to person.



sharing anything that comes in contact with **SALIVA**



being **SNEEZED** or coughed upon



being in **CLOSE** quarters



KISSING

It can attack without warning and **EARLY SYMPTOMS** can often be mistaken for the flu.

THEY INCLUDE:



HIGH FEVER



STIFF NECK



VOMITING



HEADACHE



EXHAUSTION



PURPLISH RASH



It can kill in a matter of hours. 1 in 10 will die.
2 in 10 will face permanent complications, like limb loss or brain damage.



So why does MenB vaccination matter?

We'll give you 5 reasons.

1. If a person has not received BOTH the MenB and MenACWY vaccine, they are not fully immunized against meningitis.

2 meningitis vaccines are necessary to help protect against the disease.

Most have received the MenACWY vaccine.

Few have received the MenB vaccine.



1. If a person has not received BOTH the MenB and MenACWY vaccine, they are not fully immunized against meningitis.

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Why does the CDC advise that 11-12 yr. olds should receive the MenACWY vaccine and 16-23 yr. olds may receive the Men B vaccine?

- ✓ Low incidence of disease
- ✓ High cost of routine vaccination
- ✓ Question about longevity of immunity
- ✓ There are many strains of serogroup B and we don't yet know which the vaccine is able to attack

2. Many physicians are not talking to their patients about it.

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PEDIATRICS
OFFICIAL JOURNAL OF THE AMERICAN ACADEMY OF PEDIATRICS

According to a study published in *Pediatrics* in August 2018, among 900 doctors surveyed:

49% of pediatricians and
69% of family physicians **did not discuss the MenB vaccine during routine visits for 16-18 year olds.**

Source: Allison Kempe, Mandy A. Allison, Jessica R. MacNeil, Sean T. O'Leary, Lori A. Crane, Brenda L. Beaty, Laura P. Hurley, Michaela Brtnikova, Megan C. Lindley, Alison P. Albert. Adoption of Serogroup B Meningococcal Vaccine Recommendations. *Pediatrics* Aug 2018, <http://pediatrics.aappublications.org/content/early/2018/08/16/peds.2018-0344.info>

As a result:

Less than 10% of 16-18 year olds have received at least one dose of the MenB vaccine.

Only 7% of college students are estimated to have received the MenB vaccine.

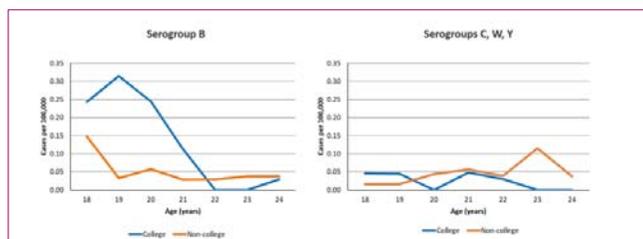
Source: CDC unpublished data; <https://www.cdc.gov/meningococcal/downloads/NCD-2015-report.pdf>

3. MenB accounts for 50% of all meningococcal cases in the U.S. among 17-22 year olds, and is particularly prevalent among college students.

According to a more recent (2018) study conducted by CDC, amongst 162 meningococcal disease cases in young people between 18-24:

- ✓ **54.3%** were MenB cases (88/162)
- ✓ Among the 83 college students, **72.3%** were MenB cases (60)

In fact, estimated incidence of Men B has shown to be up to **700% higher** among 19-year-olds in college compared to those not in college (incidence of 0.32 compared to incidence of 0.04).



Estimated incidence of meningococcal disease among young adults by age and serogroup - United States, 2014-2016

Sources: Division of Bacterial Diseases, National Center for Immunization and Respiratory Diseases, CDC, unpublished data, 2013; Epidemic Intelligence Service, CDC; <https://www.cdc.gov/vaccines/acip/meetings/downloads/slides-2018-02/Mening-02-Meyer-508.pdf>

4. MenB outbreaks are hard to control and have multi-level medical, economic and reputational implications.



27 colleges and universities have had MenB cases between 2008-2018 (based on available information)

48% percentage of colleges and universities that had to deal with a MenB outbreak

<60% estimated 1st dose coverage following initial mass vaccination efforts at 6 large universities, with even lower coverage for 2nd or 3rd doses

23 months for Ohio University (January 2008 to November 2010) to get control of their MenB outbreak

Schools with MenB Cases (2008-October 2018)	State	# of MenB Cases	MenB Outbreak
2008			
Ohio University	OH	3 cases, 1 death	Yes
2009			
University of Pennsylvania	PA	4 cases	Yes
2011			
Lehigh University	PA	2 cases	Yes
2013			
University of Wisconsin, Madison	WI	1 case, 1 death	
Princeton University	NJ	9 cases, survived	Yes
University of California, Santa Barbara	CA	6 cases, survived	Yes
Kalamazoo College	MI	1 case, 1 death	
2014			
Palomar Community College	CA	1 case, survived	
San Diego State University	CA	1 case, 1 death	
Drexel University	PA	1 case, 1 death	
Georgetown University	DC	1 case, 1 death	
2015			
Cal Poly	CA	1 case, survived	
University of California, Davis	CA	1 case, survived	
Providence College	RI	2 cases, survived	Yes
University of Oregon	OR	7 cases, 1 death	Yes
Missouri University	MO	1 case, survived	
2016			
University of Wisconsin, Madison	WI	3 cases, survived	Yes
Rutgers University	NJ	2 cases, survived	Yes
Oregon State University	OR	6 cases, survived	Yes
Santa Clara University	CA	3 cases, survived	Yes
2017			
Cal Poly	CA	2 cases, survived	
University of Massachusetts, Amherst	MA	3 cases, survived	Yes
Santa Barbara City College	CA	1 case, survived	
Kutztown University	PA	1 case, survived	
University of Illinois	IL	1 case, survived	
2018			
Smith College	MA	1 case, survived	
Penn State University	PA	1 case, survived	
Colgate University	NY	1 case, survived	
San Diego State University	CA	3 cases, survived	Yes
Syracuse University	NY	1 case, survived	

Sources: SerogroupB Meningococcal Disease Outbreaks and Public Health Responses at Universities in the United States, Lucy McNamara, PhD, MS, Meningitis and Vaccine Preventable Diseases Branch, CDC, 48th National Immunization Conference, May 16th, 2018; <https://www.cdc.gov/vaccines/imz/downloads/downloads/slides-2018-02/Mening-02-Meyer-508.pdf>; <https://www.rpi.org/sections/health-shots/2013/11/10/246178160/why-college-campus-get-hit-by-meningitis-outbreaks>; <http://www.rnmsa.org/wp-content/uploads/2017/01/College-Cases-Map.pdf>

5. And most importantly, every life matters.



High school senior **Kimberly Coffey**, 17, died one week before her graduation.



Henry Mackaman, 21, was told he just had the flu. He died 4 days later.



Lauren Jones, 18, died in her dorm room on the same day she was sent home from the hospital.



Scotty Barbieri, 18, experienced flu symptoms at 7:30 am and moved to heaven at 5:30pm.



College sophomore **Emily Stillman**, 19, died just 36 hours after her first symptoms.



Emily Benatar, 19, died in her first year of college.



Andrea Robinson, 18, was watching a movie with her boyfriend and complained of a headache. She died two days later.



About the Meningitis B Action Project

**Meningitis B
Action Project**
a joint initiative by The Kimberly Coffey Foundation
 and The Emily Stillman Foundation



Alicia Stillman
 Farmington Hills, Michigan



Patti Wukovits, RN
 Long Island, New York



Our Goals

**Meningitis B
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a joint initiative by The Kimberly Coffey Foundation
and The Emily Stillman Foundation



Meningitis B Awareness Day House of Representatives Resolution Reading April 24, 2018 – World Meningitis Day

The project aims to:

1. **Arm parents and young adults** with the information to proactively talk to their healthcare provider about Meningitis B and the vaccine available to help prevent it
2. **Encourage the medical community, and school, college and university administrators** to inform patients and students about the availability of the Meningitis B vaccine
3. **Engage policymakers** to ensure broader access to the Meningitis B vaccine

Our Key Message: Simplicity is Key

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2 meningitis vaccines are necessary to help protect against the disease.

Most have received the MenACWY vaccine.

Few have received the MenB vaccine.



How Can We Help? A Resource to Support and Amplify Your Awareness and Education Efforts



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and The Emily Steiman Foundation

Educational resources for:

- ✓ Students
- ✓ Healthcare Professionals
- ✓ Parents

Local meetings, speaking engagements, webinars etc.
We are eager to share our stories to help you spread this important message

 Available on MeningitisBActionProject.org
Also available in Spanish



Brochures



Reminder One
Pager for HCPs



Posters



Tear off Reminder Pads
for Doctor's Offices



Magnets for
Doctor's Offices
and Students

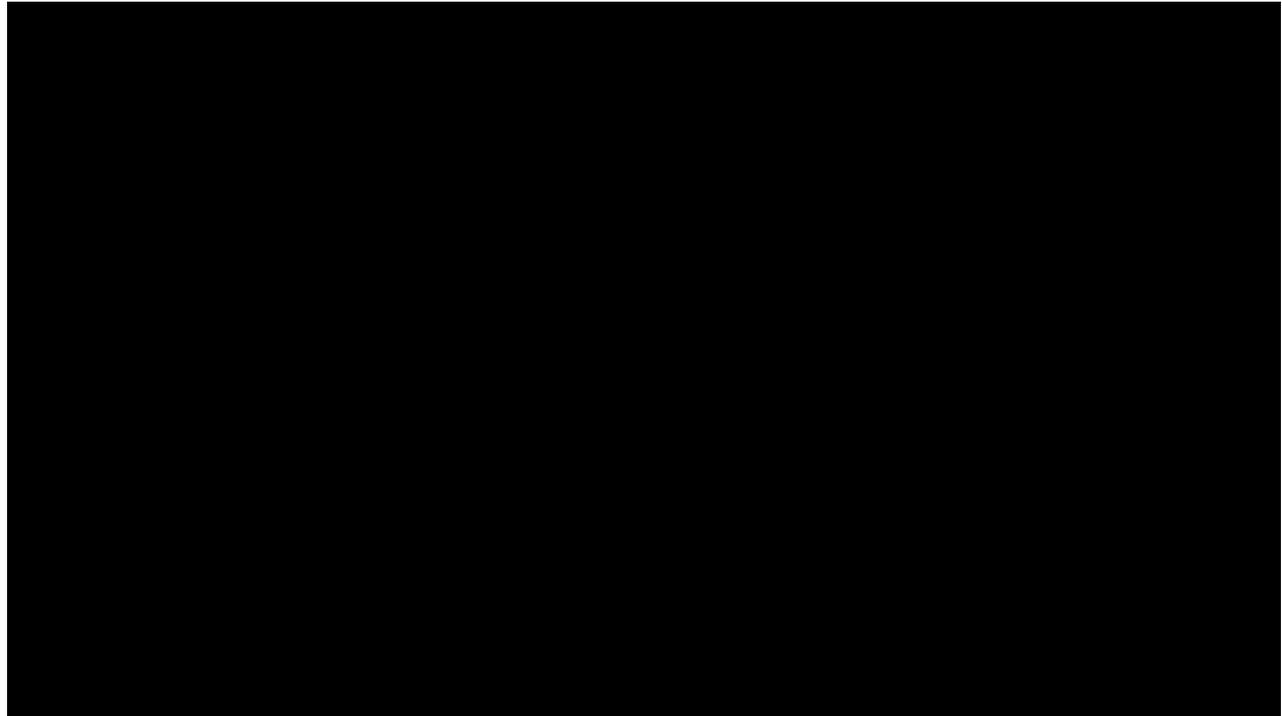


Videos

WATCH: MenB in 90 Seconds



Early symptoms can often be mistaken for the flu



Our Ask

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Please help us ensure that no other young life is unnecessarily lost to Meningitis B.

- ✓ Start with you. Talk to your doctor about the Meningitis B vaccine and tell your friends and family to do the same.
- ✓ Distribute our materials to local schools, colleges and universities, clinics, medical offices etc.
- ✓ Make sure health websites and immunization forms used in the state clearly explain that there are two meningitis vaccines – MenACWY and MenB.
- ✓ Invite us to speak at local events – we are happy to share our story via in person or video conference presentations.
- ✓ **Contact us for additional advocacy opportunities: info@meningitisbactionproject.org**



Questions?
Other ideas?
How can we help?

Contact us at
info@meningitisbactionproject.org



Our Supporters

