Keeping FLU and COVID-19 at Bay: Your Impact This Season

NextGen Center for Influenza & Emerging Infectious Diseases
University of Missouri

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Family and Community Medicine
School of Medicine
University of Missouri

Who joined us?

Average age: 39 years, oldest 73 year old

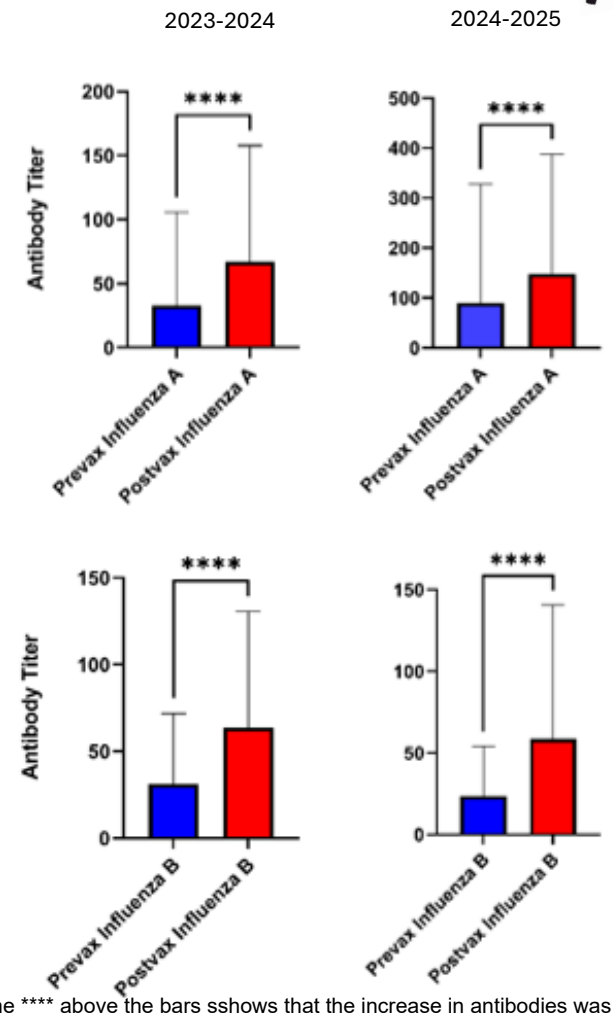
90 participants in 2024-25 season
53 participants in 2023-24 season

1/3rd males and 2/3rd females

Mix of students, staff, and community members

96% completed all 5 blood draws. AMAZING!!!

Influenza Antibody Titers Before and After Vaccination



The **** above the bars sshows that the increase in antibodies was meaningful and not due to chance

What does the red and blue bars mean?

There are two main flu viruses that cause seasonal illness: influenza A and B.

After vaccination, the body makes antibodies (proteins) to fight the flu virus. You can see this in the graph: the red bars (after vaccination) are taller than the blue bars (before vaccination), showing that people had more antibodies after getting the flu shot.

A flu titer is a way to measure how many antibodies you have. Higher titer means stronger protection and usually milder illness if you get sick.

In both 2023 and 2024 flu season, getting a vaccination increased antibody levels. However in 2024, the increase was stronger for Influenza A, suggesting better protection that year. For Influenza B, the response was more modest and similar in both years.

Logitudinal study

18 people have joined us 2 years in a row.

We would really love to have more people come back this year to be part of an informal longitudinal study.

Also anyone getting sick with Flu or COVID, can join us (even if you are in the vax study). Same goal but different pathway for the immune response.

Enrollment for the flu and COVID-19 vaccination starts soon!

Scan or go to
https://redcap.link/ImmuneVaxstudy

Contact us at flustudy@umsystem.edu

Enrollment for flu or COVID-19 illness is open!

If you or someone you know gets sick, consider joining our study. Scan or go to
https://redcap.link/ilied_vaxstudy