

## INTRODUCTION

Union Hospital Family Medicine Residency, located in Terre Haute, IN, implemented a multifaceted intervention to increase vaccination rates for all children who were patients of the Family Medicine Center (FMC) and in the community. Initial goals, along with increasing vaccination rates, was to provide community outreach to individuals affected by health disparities, provide patient education, increase resident knowledge of health disparities, and provide residents with a robust Community Medicine curriculum – complete with a working knowledge of the PDSA cycle.



## METHODS

*Participants:* 21 residents, 1 education coordinator, 1 behavioral science coordinator, 7 faculty physicians, 1 clinical pharmacist, 3 LPNs, 1 ISU doctoral student, 6 individuals from the health dept. (4 nurses, 1 director, 1 public health educator), 14 BSN ISU School of Nursing students, 1 PhD Director of Nursing – ISU, VPCHC front office & nursing staff, 10 medical students – IUSM, 2 medical students – Marian University.

*Key Program Components:*

- Held “Vaccine Day” at a local indigent clinic in partnership with the Vigo County Health Department, Indiana University School of Medicine, Indiana State University School of Nursing and Applied Health Sciences, and the Mollie R. Wheat Memorial Clinic
  - TV, Radio, school flyer, and social media advertised event
  - Provided educational handouts on immunizations and other health topics
  - Pulled patient immunization records from CHIRP to provide counseling to parents and guardians on immunizations needed and the proper catch up schedule
  - Nurse volunteers from VPCHC to schedule appointments and establish children with a PCP
  - Graduate student volunteers from ISU to offer free transportation to and from Vaccine Day
  - Resident physician volunteers provided oversight of medical students
  - Medical students completed history and physical exams
  - Health snacks and drinks for children
- Set up a booth at the largest basketball tournament in the region to offer free flu vaccines to children
- Set up booths at 2 large health fairs in the community offering free flu vaccines to children
- Set up a booth at the Terre Haute Boys and Girls Club during their busy basketball season to offer vaccines to children
- Monthly meetings with residents, faculty, and nurse practitioners to talk about the immunization project and importance of talking to patients about getting vaccinated
- Monthly education sessions with residents and faculty on QI methods and the PDSA cycle
- Redesigned office workflow
- Residents did 1-minute talks periodically on local television news about the importance of flu vaccines. They mentioned children could stop by our office to receive free vaccines
- Residents spoke with elementary school children during field trips on the importance of immunizations

## OUTCOMES

	FMC Immunization Rates	
	2016-2017	2017-2018
<b>Influenza</b>	11.5%	42.3%
<b>Tdap</b>	51.4%	70.4%
<b>Td/Tdap Booster</b>	53.6%	40.0%
<b>HPV – 1<sup>st</sup> dose</b>	33.6%	54.5%
<b>HPV – 2<sup>nd</sup> dose</b>	20.4%	85.6%
<b>MenACWY</b>	16.3%	64.8%
<b>MenACWY Booster</b>	19.4%	24.8%

- Improved immunization practices and ongoing education for residents
- Improved vaccine rates for children in the community (over 200 children vaccinated in the community)
- Partnership with local health department, Indiana University School of Medicine, Indiana State University School of Nursing, Marian University College of Medicine, Vigo County School Corporation, Terre Haute Boys and Girls Club
- Increased patient awareness of immunizations
- Increased patient education on preventive care
- Increased patient education on full spectrum family medicine
- Improved communication between patients and providers
- Improved Community Medicine curriculum
- Improved resident and faculty knowledge of PDSA cycle
- Improved resident and faculty understanding of QI steps and methodology
- Improved resident public speaking and presentation skills
- Introduced residents to individuals in the community affected by health disparities
- Residents learned how to run reports and look at quality data
- Residents, faculty & nursing staff worked together to improve office workflow
- Residents utilized social media and local radio and television to raise awareness of immunizations and educate the public
- Residents rated the immunization project extremely high as a valuable experience related to community engagement
- Residents voted to continue the project after the official project period ended to be included as part of their Community Medicine curriculum



**Defeat the flu this year!**

FREE Flu Shots  
Kids ages 11 & up  
January 18th  
4:00-7:00 pm  
TH Boys & Girls Club

Stop the spread of influenza this winter! An annual flu vaccination is an important step in staying healthy and keeping others healthy as well!

**UNION HEALTH**  
Family Medicine Residency

**DON'T WAIT, VACCINATE!**

The Mollie R. Wheat Memorial Clinic, in partnership with Union Hospital, and the Vigo County Health Department will be hosting

**“VACCINATION DAY”**  
on  
**SATURDAY, MAY 12TH**  
from  
**8 AM TO NOON**

Vaccination and health assessments will take place at the Mollie R. Wheat Memorial Clinic, located at  
**1433 N 6 1/2 STREET, TERRE HAUTE, IN 47807**

Walk-ins welcome. Need a ride?  
Schedule a free ride to your appointment at <https://VaccineDayTransportation.ai/time>

**UNION HEALTH**  
Union Hospital

