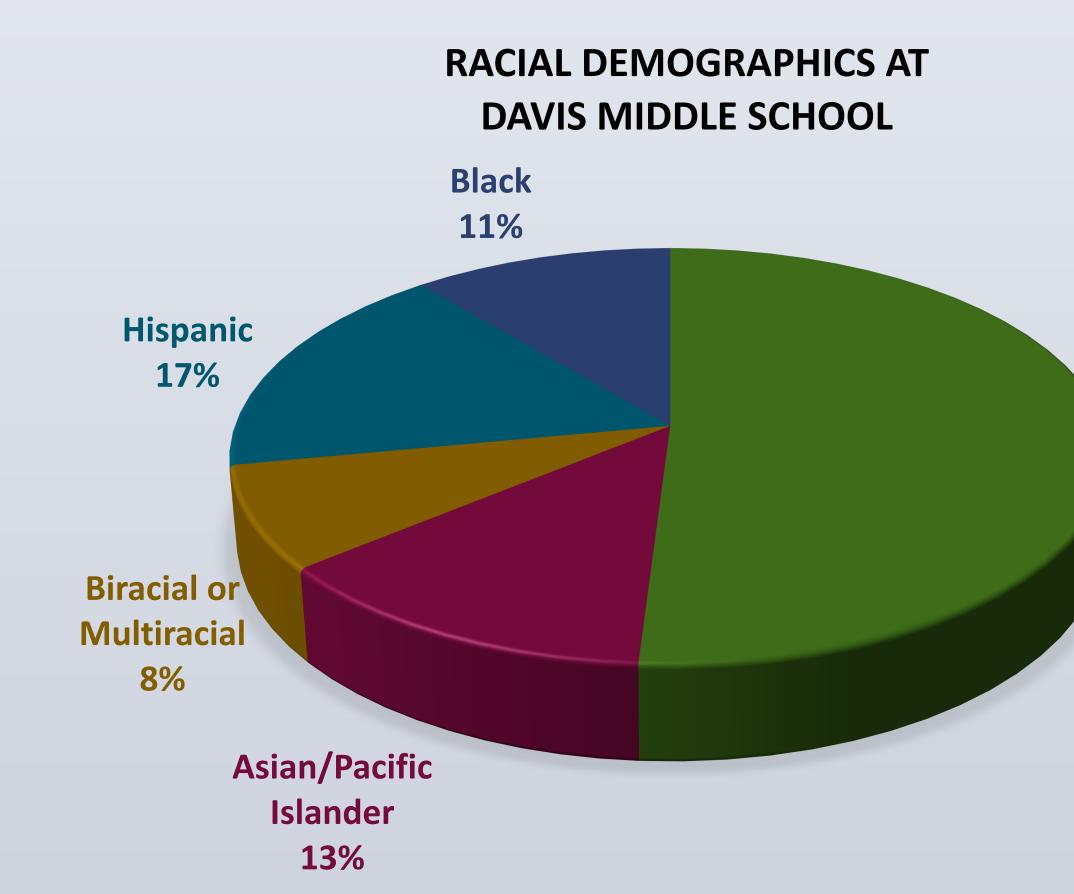
Administering Childhood Vaccines to Students at a Local Middle School Jenna Everett,¹ Madison Kaser,¹ Michelle Taylor,¹ Rebecca Grant,¹ Christine Kinstedt,² Benjamin Bring¹ ¹Family Medicine Residency, Dublin Methodist Hospital, 7500 Hospital Dr., Dublin, OH 43016 ²Ohio University Heritage College of Medicine, 6775 Bobcat Way, Dublin, OH 43016

INTRODUCTION

- Vaccines are critically important to our community. They lower the risk of developing certain diseases, assist in providing herd immunity, and safely prevent serious complications which may develop from these viral agents.¹⁻²
- Vaccines were provided in accordance with CDC guidelines.³
- This middle school was selected as the first school to implement this project.
 - 37% of students come from low-income families.⁴
 - 26% of students are eligible for free lunch.⁴
 - 4% are eligible for reduced lunch.⁴
 - 49% of the students between 6th and 8th grade are minority individuals.⁴



• Although the CDC recommends all the aforementioned vaccinations,³ this middle school requires simply Tdap, IPV, MMR, Hep B, Varicella, and Menactra.⁵ Therefore, these were the main immunizations provided. However, Hep A, HPV, and the flu vaccines were also offered.

SPECIFIC AIMS

- Ensure that students at a local middle school received the proper vaccinations to be compliant with Dublin City Schools.
- Provide childhood vaccines to children who could not afford their costs.
- Improve patient care within adolescent populations in underserved parts of the Dublin community.
- Connect children to healthcare and potential future Primary Care Providers.
- Supply unique opportunities for family medicine residents to positively influence the community.

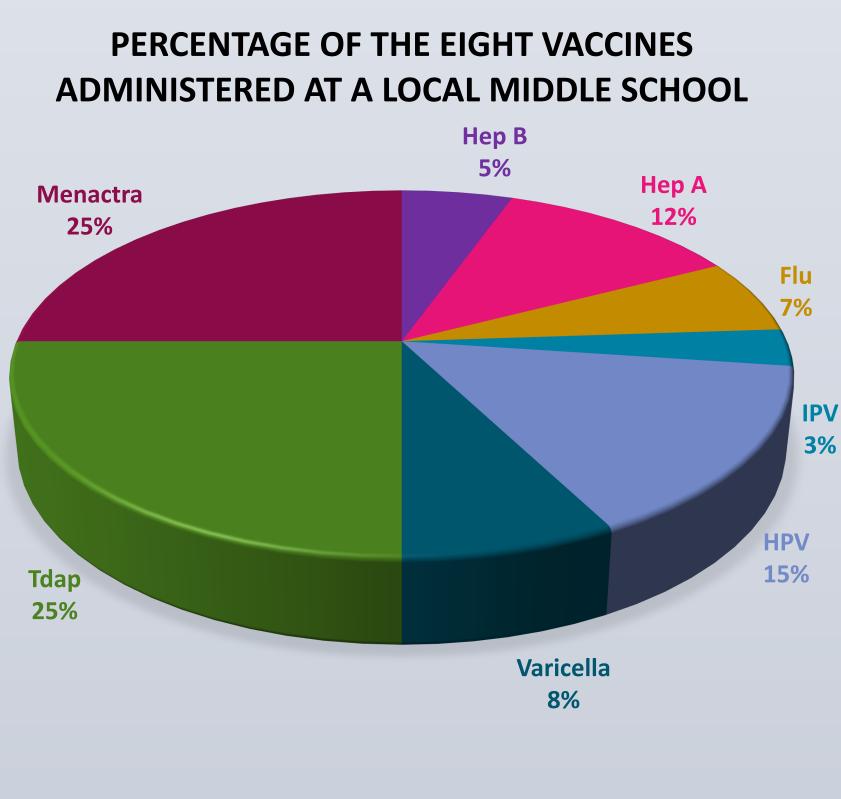
METHODS

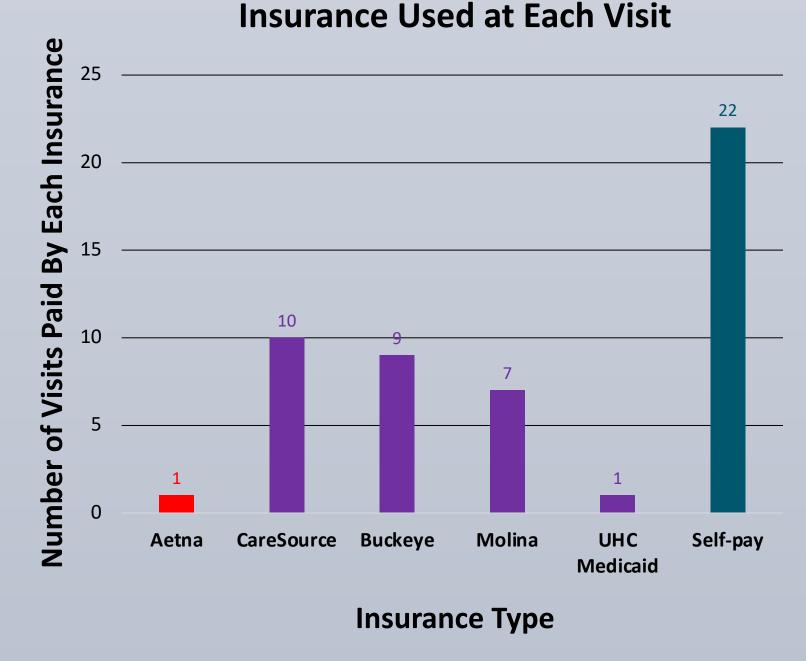
White 51%

- Current retrospective and future prospective study
- Vaccine clinics, run by family medicine residents, were held several times per month at a local middle school.
- Population: 6th 8th graders (approximately ages 10-14); both females and males from various races/ethnicities.
- Phone calls given to parents for consent to vaccinate children.
- Translators brought in for patients speaking English as a second language.
- Billed according to insurance type: Medicaid or private insurance.
- Self-pay patients were provided with financial assistance.

RESULTS

- 12 vaccine clinic days were completed during the 2021-2022 school year.
- **27** patients were seen with a of 92 administered total vaccines and 5 well-child visits.
- **50%** percent of administered vaccines = Tdap & Menactra





Uninsured Costs										
IPV	Gardasil	Tdap	Menactra	Hep B	Нер А	Varicella	FluZone	Well Child	1st Vaccine	Each Additional Vaccine
\$67	\$344	\$94	\$275	\$104	\$70	\$237	\$59	\$240	\$32	\$23

- **50** unique patient encounters
- **Commercial** insurance, 27 Medicaid, & 22 self-pay
- Total cost without any form of insurance: **\$20,528**
- for self-pay: Total cost \$10,136

- school guidelines.
- Gave vaccines at no cost to each patient.
- Providers.
- emulate to help their respective communities.
- vaccines during school hours.

FUTURE DIRECTIONS

- are in need.

- immunity-and-coronavirus/art-20486808
- 3. CDC. Child and
- 1285&PageID=1288&Comments=true

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CONCLUSIONS

• Administered 92 vaccines to middle school children; 61 shots directly required by this middle school which allowed patients to be compliant with

• Connected children to healthcare and potential future Primary Care

• Provided a method that other family medicine residencies can possibly

Both time and cost were reduced for parents by administering these

Continue to administer vaccinations and conduct well-child visits at this middle school and begin to provide sports medicine physicals.

Potentially expand to serve other middle schools within the Dublin area that

• Apply for funding opportunities to cover project costs.

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