# Improving Influenza Vaccination Rates in an Outpatient Setting





## BACKGROUND

Influenza (flu) is a severe but a potentially preventable infection. The inactivated vaccination produced before flu season helps to decrease the incidence of the flu. This season alone there have been 13 pediatric deaths from influenza (1).

Vaccination rates continue to be low despite its known benefit. The center for disease control and prevention have identified barriers that may lead to such low vaccination rates, which includes access to vaccination. One systematic review reports convenience of vaccination as barrier for uptake of vaccination (2).

Eastern North Carolina has a diverse patient population with significant comorbid condition such as heart disease, chronic pulmonary disease, and diabetes where hospitalizations can be devastating. We hope by providing the vaccination for patient population and reduce our influenza associated morbidity.

# **PROJECT AIM**

By May 2019, at least 80 percent of eligible adults and children who visit the Adult Pediatric Health Clinic (APHC) of ECU physicians will receive the influenza vaccination.

# **PROJECT DESIGN/STRATEGY**

Using EPIC we are able to track all APHC patients who have received the influenza vaccination.

We plan to identify, vaccinate, educate all patients of APHC who are eligible for the vaccination.

month we plan to review the Each percentages of patients and identify barriers to vaccination.

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# CHANGES MADE (PDSA CYCLES)

#### •PDSA Cycle 1

- Patients in need of influenza vaccination were identi at check-in.
- All patients 6 months and older are asked in check medical assistant (MA). If interested, the MA notified been vaccinated EPIC was updated. If the patient notified prior to entering the patient's room.
- Providers were instructed on how to accurately doc vaccinated or have declined vaccination. Common educate patient during encounter.
- PDSA Cycle 2
- Providers were notified on vaccinated status by flaggir schedule in EPIC.
- Flu vaccine walk-in clinics were added during each we
- PDSA Cycle 3
- Inconsistencies were found in EPIC regarding accur and unvaccinated patients. This was addressed by wo the issue of correct data capture.

# **RESULTS/OUTCOMES**



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We thank all staff of APHC for their help in implementing this QI project. We thank Alan Tripp and for assisting us with EPIC regarding IT issues.

### References

1. CDC. Influenza-associated pediatric mortality. https://gis cdc gov/GRASP/Fluview/PedFluDeath html [serial online] 2018; Acessed January 7, 2019 Schmid P, Rauber D, Betsch C, Lidolt G, Denker ML. Barriers of Influenza Vaccination Intention and Behavior - A Systematic Review of Influenza Vaccine Hesitancy, 2005 - 2016. PLoS One. 2017;12(1):e0170550. Published 2017 Jan 26. doi:10.1371/journal.pone.0170550

# LESSONS LEARNED

to vaccination in clinic was ccess October/November until aved sing delayed vaccination.

lagging patients in EPIC allowed viders to identify patients to counsel arding the benefits of the vaccine

ccurately documenting in EPIC has n difficult for providers and confusing the recent upgrade during PDSA

ata is based on all encounters within season

### T STEPS

le are updating EPIC to accurately extract information regarding patient vaccination status.

- We are educating providers on how to document vaccination history in EPIC.

- We need to educate patients who are unvaccinated or decline vaccination on the benefits of vaccination.

# ACKNOWLEDGEMENTS

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