

COVID-19 AND YOU

Maria Manfra Healthcare Studies

INTRODUCTION

North Shore Community Health provides comprehensive health services to low-income families in three (3) communities north of Boston, Ma. They also host school-based health centers with the mission of streamlining quality care. North Shore Community Health's mission is to "build healthy communities by providing exceptional care to all". The following services are provided as a part of the school-based programs.

- **SERVICES PROVIDED**
- Pfizer COVID-19 vaccine, Polio vaccine, Tdap vaccine, HPV vaccine, etc.
- Physical examinations by skilled nurse practitioners in the health centers in school locations.
- STD screenings such as HPV, Hepatitis B, Gonorrhea, and Chlamydia.
- Mental health and substance abuse screening for teens.
- Assistance in referrals, and counseling.
- North Shore Community Health is now providing telehealth services which are even more accessible for students and parents to become engaged with healthy living. They offer all services listed above to student's and parents who may feel more comfortable obtaining health information virtually rather than in-person care.



OBJECTIVES

To create and implement a solution that informs students and parents about health disparities and health trends regarding the coronavirus. Currently, there is no quick and efficient way for parents and students to access health information that impacts their daily lives with the ever-changing pandemic.

1. Link informational pages regarding COVID-19. This QR code will allow easier access for students and their parents to various topics such as protocols and management of the COVID-19 virus.
2. Create a chart reflecting the number of Pfizer COVID vaccines administered on a monthly basis.
3. Create an instrument that surveys students as to their usage of North Shore Community Health school-based health center programs.

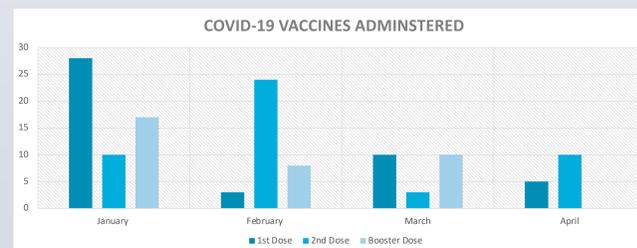
RELATED LITERATURE

- "SARS-CoV-2 transmission in the community is correlated with the number of infections in schools. When community rates of COVID-19 are high, there is an increased likelihood that SARS-CoV-2 will be introduced to, and potentially transmitted within, a school or ECE setting." (The CDC, 2021, para .75)
- "In general, there was a negative impact on behaviors, lifestyle and mental health and virtual education was perceived as necessary in making up for the loss of face-to-face experiences. Students' mental health and educational needs have been affected by the current pandemic and healthcare educational facilities must respond to these needs to ensure students continue to receive the support they need." (Gadi, Saleh, Johnson, Trinidade, 2022, para. 4)
- "The vaccine helps prevent kids from getting COVID-19: Although COVID-19 in children is sometimes milder than in adults, some kids infected with the coronavirus can get severe lung infections, become very sick and require hospitalization. This is especially important to remember in light of the delta variant, which is more contagious than other coronavirus variants. "The current vaccines are still effective in preventing severe illness from the delta variant of the virus," Sick-Samuels notes. Children can also have complications such as multisystem inflammatory syndrome in children that may require intensive care or long-lasting symptoms that affect their health and well-being. The virus can cause death in children, although this is rarer than for adults." (Sick-Samuels, Messina, 2022, para. 7)

MATERIALS & METHODS

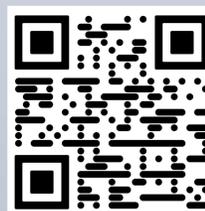
- Collected data regarding vaccinations (monthly numbers of each COVID vaccine administered).
 - # of first COVID doses given to each student monthly.
 - # of second COVID doses given to each student monthly.
 - # of booster COVID doses given to each student monthly.
- Continued to collect data monthly for each service to include in QR code.
- Produced QR code that has important health information for students and parents to easily access.
- Students at Salem High School will be offered a google survey on how services provided by North Shore Community Health has impacted their lives since the pandemic started.
- Collected data from students to see how school-based services has impacted their lives.
- # of students who say school-based health has significantly impacted their lives.

VACCINE DATA COLLECTED



The data shows the results of COVID-19 vaccines administered and survey results that are completed each month from January to April. The number of COVID-19 vaccines for the month of January (1st dose) were greater than the months of February, March and April of this year. However, In the month of February (2nd and booster doses) quickly became greater. Vaccination rates grew lower in the months of March and April due to school policy that states student must be vaccinated in order to attend school.

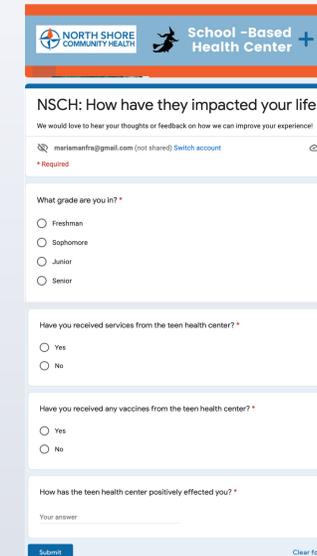
QR CODE



A QR code is a type of matrix barcode typically used for storing and linking information for reading on a smartphone.

- QR code addresses COVID-19 information in the following areas:
 - Basic Information about the virus.
 - Symptoms.
 - Possible Treatments.
 - How to protect yourself and others.
 - Health disparities.
 - Health trends.
 - How low income can result in additional disparities not experienced by others.

SURVEY RESULTS



NSCH: How have they impacted your life
We would love to hear your thoughts or feedback on how we can improve your experience!

mariamanfra@gmail.com (not shared) Switch account

What grade are you in? *

Freshman
 Sophomore
 Junior
 Senior

Have you received services from the teen health center? *

Yes
 No

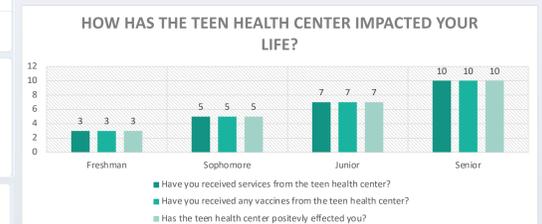
Have you received any vaccines from the teen health center? *

Yes
 No

How has the teen health center positively effected you? *

Your answer

Submit Clear form



The data indicated that Salem High School students do use the NSCH school-based Health Center, and that seniors and juniors have benefitted the most from services they received. We did not receive any feedback from students on the open-ended questions that were asked but fifteen (15) students did respond to the Yes and NO requests.

CONCLUSIONS

1. The QR code was well received by both students and parents. It allows for easy access to coronavirus information and includes links to additional resources for anyone who would like to do more in depth research. This solution is a quick and efficient way to educate families on the basics of what you need to know currently about Covid and provides updates on frequent changes in protocols. Due to the success of this code, other health concerns of teens will be addressed using this same QR technology.
2. The visual chart created, based on the numbers of Covid vaccines and boosters distributed monthly, makes it easier to see the success or failure of the initiative.
3. In summary, the survey showed that juniors and seniors use the services of the health center more often. More encouragement and incentives should be used with under class men to increase their utilization of the health center services.

REFERENCES

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