

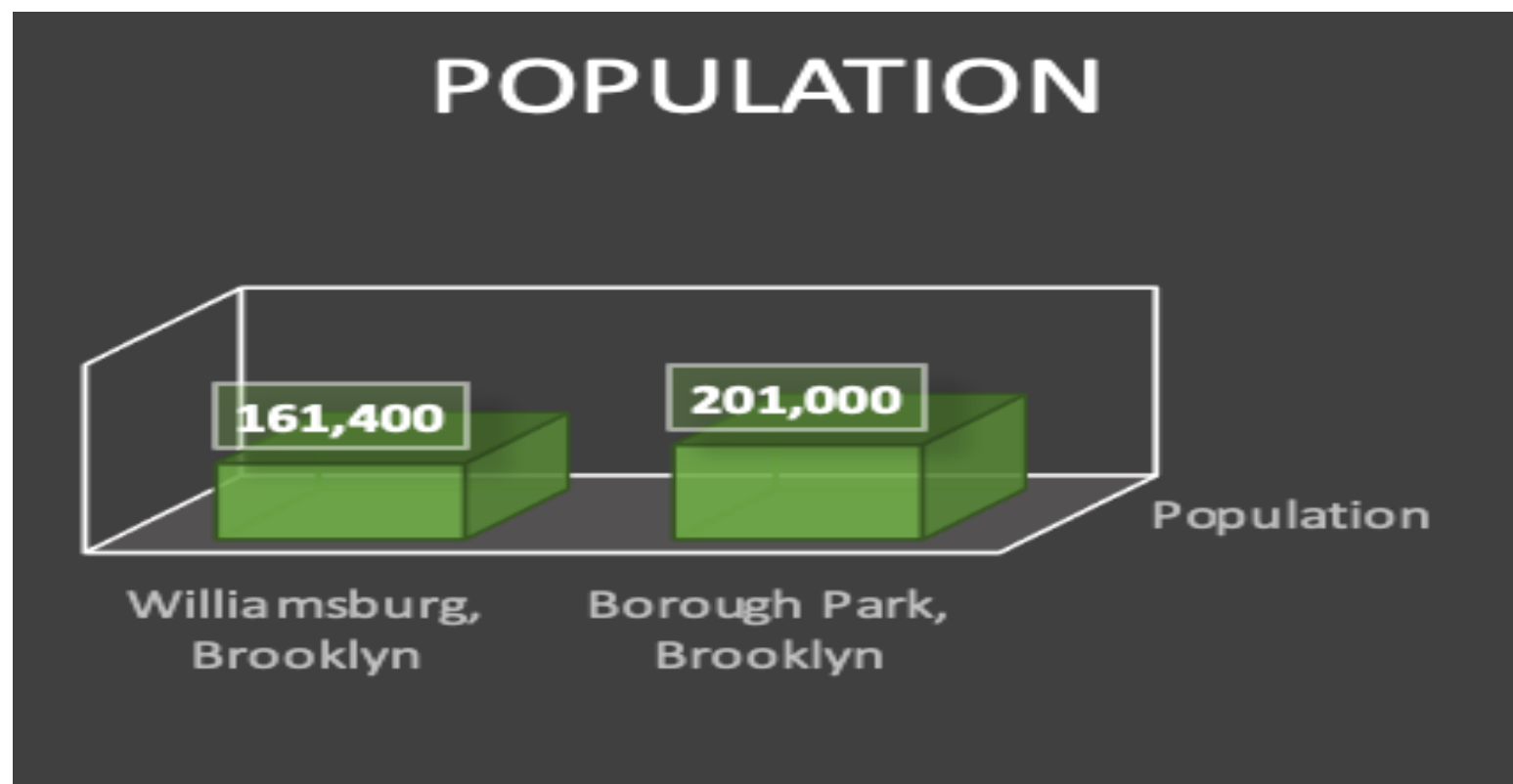
On the Road to Eradication: The Jewish Population and Vaccinations in Brooklyn, New York



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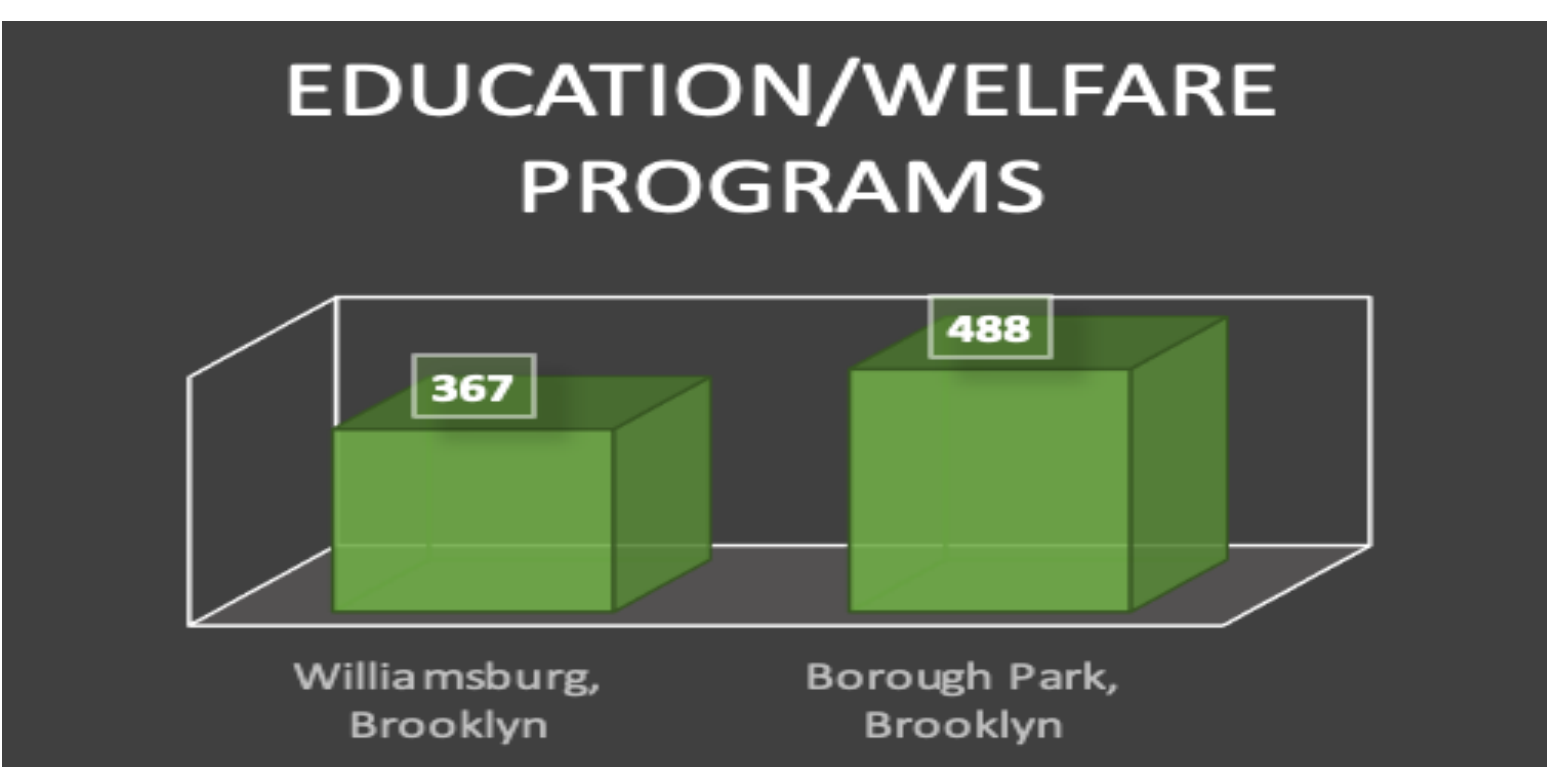
Introduction

- The problems unique to the Jewish population in the communities of Williamsburg and Borough Park of Brooklyn, New York are the very high rates of vaccination refusal among many families.
- Vaccination refusals in these communities have caused public health emergencies, causing anti-semitism to occur by the communities that surround them, as well as very profound illness in the Jewish population that has greatly affected their health.



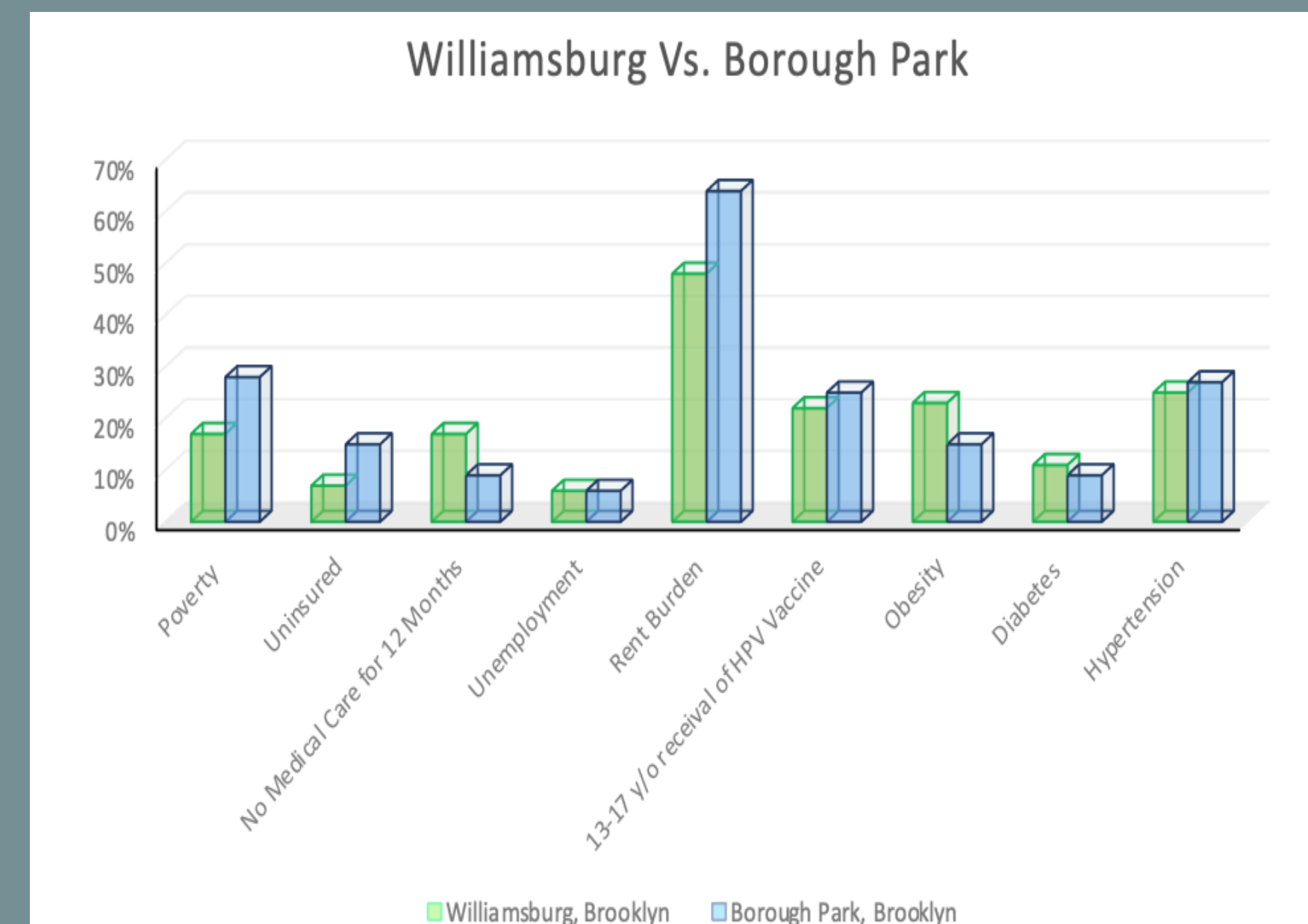
Community Assessment & Analysis

- In the last thirty years, there have been outbreaks in the communities where the Jewish populations reside
- The measles outbreaks in the late 90's and early 2000's caused over 2,500 cases in New York. In 2019, measles was considered a national emergency in the United States, with over 1,000 cases in just the beginning of that year alone. New York City had declared a public health emergency due to the spike, especially in Brooklyn.
- Currently, about 30-40% of the Hasidic Jewish population reside primarily in Brooklyn, New York communities.
- The primary Brooklyn communities include Williamsburg, where the population is 161,400 mostly being males and females between the ages of 25-29, primarily of white race; as well as Borough Park, the population is about 201,000 mainly of white race, males and females between 0-17 years are the largest age group in this community.
- In Williamsburg 17% have recalled not seeking medical care for over 12 months.(1)
- There are 367 different education, child welfare and youth programs in Williamsburg and 488 in Borough Park-primarily Jewish, run by the NYC mental and health departments which have seen an increasing number of children attending without immunizations.
- In Borough Park, 15% of adults are uninsured and 9% report no medical service use in the past 12 months.
- Resources: Vaccination clinics, and clinics for uninsured or underinsured individuals in Manhattan and Staten Island, as well as a multitude of pharmacies and urgent care centers who offer vaccinations. (2)



Community Problem

- The measles is an airborne, highly infectious disease that spreads very quickly through respiratory droplets and only affects humans.(4)
- Vaccination refusal is and has been a large public health crisis. Vaccination refusal within the Jewish population has shown spikes in diseases, specifically measles, within the last five years. In 2019, there were the highest recorded measles cases in the United States since the year 2000. (5)
- Measles has specifically affected the New York City and Downtown Brooklyn areas.
- The measles virus is so highly contagious, it has a 90% secondary attack rate among those who are immunocompromised, or unvaccinated; therefore with under vaccinated children and adult individuals, disease is spread to those who are susceptible and will continue to spread without proper immunization. (6)
- Within New York City specifically, measles has been resurfacing in higher instances over recent years.
- In 2018, there was a measles case at Maimonides Medical Center in Brooklyn, NY. Within the zip code of Maimonides was the highest prevalence of the measles virus within New York City.
- Included in the Jewish population reside children who are either not immunized, or under immunized, which makes risk of infection and spreading disease very high. (7)
- There were 642 confirmed measles cases as of July 2019, and out of these 642 cases, 466 of them affected unvaccinated individuals, with the majority of the cases focused on specific neighborhoods, which are Jewish communities. Borough Park and Williamsburg accounted for 583 out of the 642 reported and confirmed cases.(8)
- Citizens who were affected directly by the virus either resided in, or were a part of the Jewish communities. 93.4% of the patients who were affected with the virus were from Williamsburg and were a part of the Jewish Community, and 18.6% resided in Borough Park, also a part of the Jewish Community. The majority of these patients who were affected were children. (9)



MEASLES
More than just a little rash

MEASLES CAN BE DANGEROUS
Especially for babies and young children

Measles can lead to...
PNEUMONIA (A SERIOUS LUNG INFECTION)
BRAIN DAMAGE
DEAFNESS
DEATH

ABOUT 1 OUT OF 5 people who get measles will be hospitalized.

SYMPTOMS OF MEASLES

RASH OF TINY RED SPOTS (STARTS ON HEAD)
 EAR INFECTION
 RED EYES
 RUNNY NOSE
 COUGHING
 DIARRHEA

MEASLES IS HIGHLY CONTAGIOUS
Here's how it's spread...

COUGHING & SNEEZING
 LINGERING GERMS (CAN LINGER IN A ROOM LONG AFTER A SICK PERSON HAS LEFT IT)

MEASLES AROUND THE WORLD
Measles circulates in many parts of the world and cases can be brought into the U.S. at any time.

PROTECT YOUR CHILD
The MMR vaccine protects against measles, mumps and rubella. Doctors recommend that your child get 2 doses of MMR for best protection. Your child will need one dose at each of the following ages...

DOSE #1 12-15 months
DOSE #2 4-6 years

Infants 6-11 months old should have 1 dose of MMR shot before traveling abroad.

IMMUNIZATION. POWER TO PROTECT.
Learn more at www.cdc.gov/vaccines/parents

Solution

- Debunking Measles Day** is a clinic day that would be planned to negate vaccine myths of health-related concerns
- Flyers would be posted in advance so that the population is aware of the clinic day and are encouraged to attend by Rabbi's within the community
- Debunking Measles Day** is where vaccinations would be given to students and families in Jewish schools. This would be an amazing opportunity to have a day where the Jewish population is able to ask questions about vaccinations, get vaccinated, and learn any other health related tips.
- Healthcare professionals and the Jewish population would be able to speak openly about health habits at home and how to keep up with vaccinations for the future
- Optimistically, through using interpersonal and therapeutic techniques provided by Peplau, the healthcare industry and the Jewish population can work together to create more awareness of vaccines, improve vaccination rates, and establish a rapport with people in this community

Learning Objectives

- Understand that the measles vaccine does not cause cancer or autism
- Accept that measles vaccinations are healthy and effective
- Acknowledge that vaccination refusal has led to health issues, such as disease outbreaks and even death

DEBUNKING MEASLES DAY

WHEN
June 8th
10am – 12pm

WHERE
Bais Simcha Pre School
1051 59th St, Brooklyn, NY 11219

Wagner College Student Nurses from the Evelyn L. Spiro School of Nursing

DEBUNKINGMEASLESDAY@GMAIL.COM

ALL AGES WELCOME

SUMMARY
Join us for a clinic day and information session on the Measles virus and the Measles vaccine! Bring all of your questions and we will be happy to answer them.

GOALS
-Provide information on Measles: what is it? How can you get it?
-Provide information on the Measles vaccine: is it safe? Is it necessary?
-Negate vaccine myths and teach necessary health habits to promote health and wellness!

TIMELINE
MMR Introduction and Presentation
11AM-12PM
MMR Vaccination Administration

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