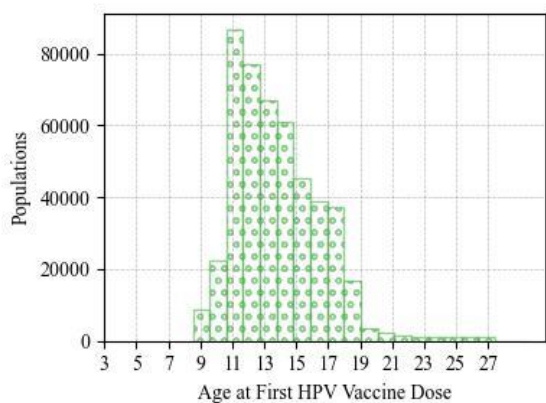
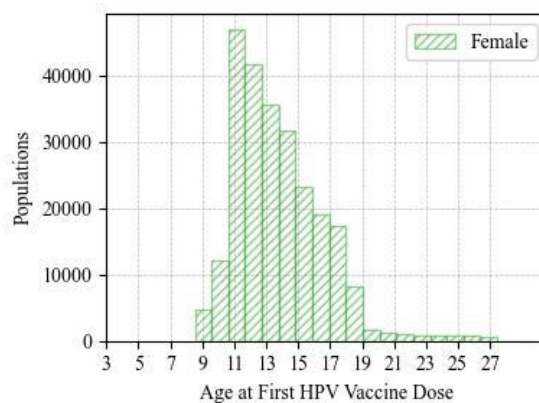


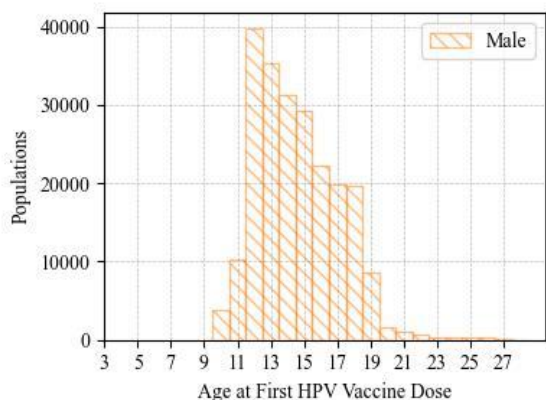
Figure 1. Age distributions of patients who received one or more doses of HPV vaccine by gender, race, and ethnicity.



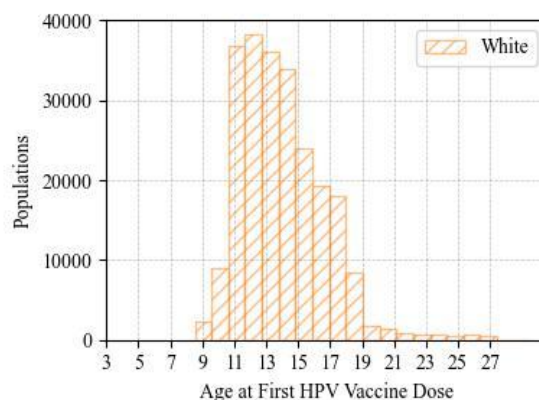
(A) All patients with one or more HPV Vaccine doses



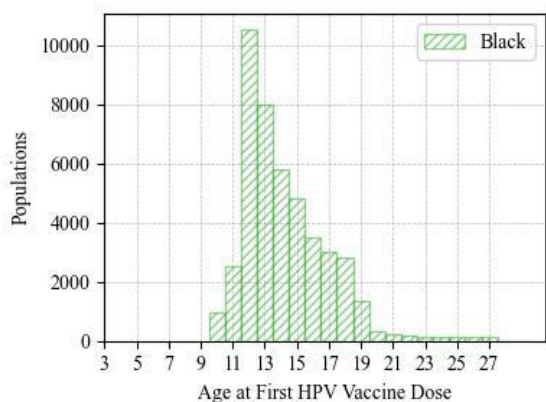
(B) Female patients with one or more HPV Vaccine doses.



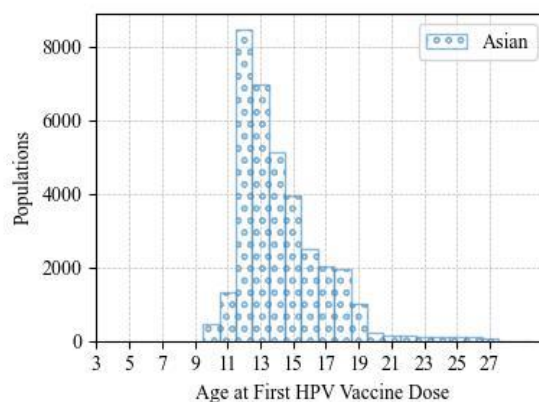
(C) Male patients with one or more HPV Vaccine doses.



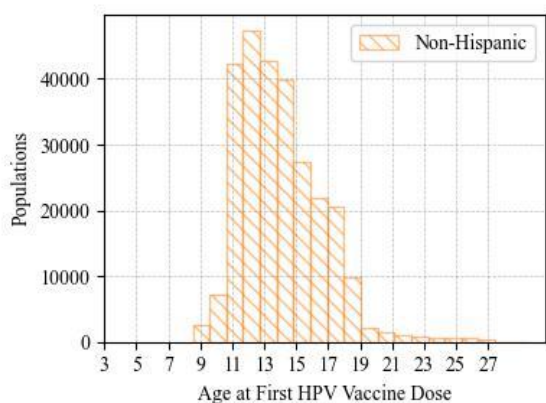
(D) White people with one or more HPV Vaccine doses.



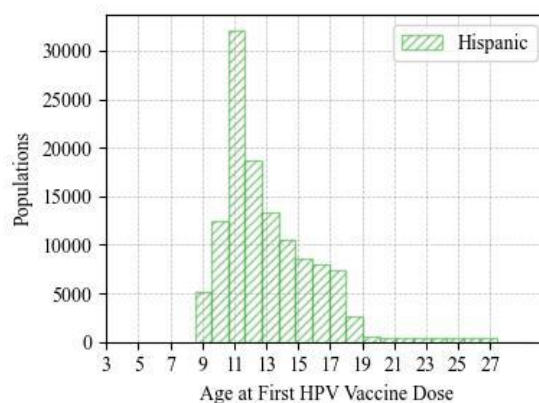
(E) Black people with one or more HPV Vaccine doses.



(F) Asian people with one or more HPV Vaccine doses.

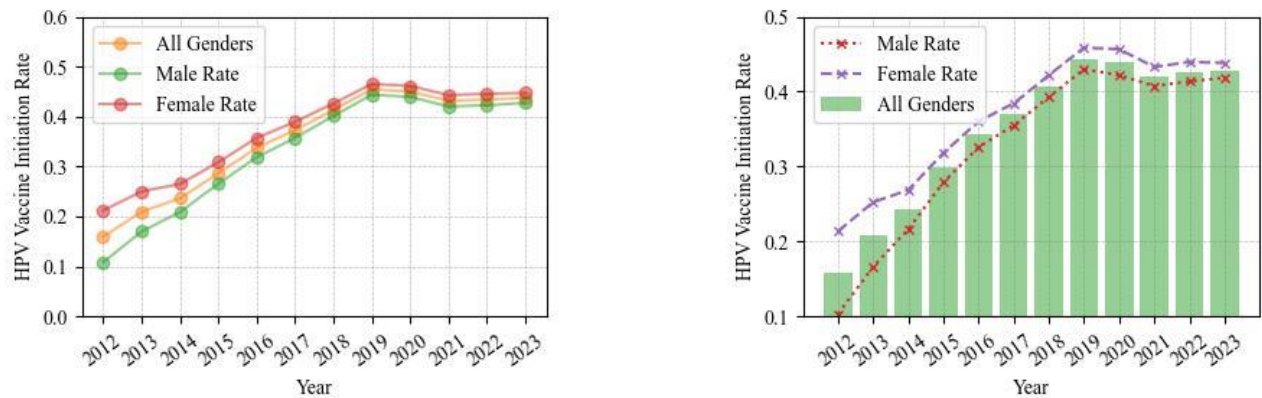


(G) Non-Hispanic people with one or more HPV Vaccine doses.

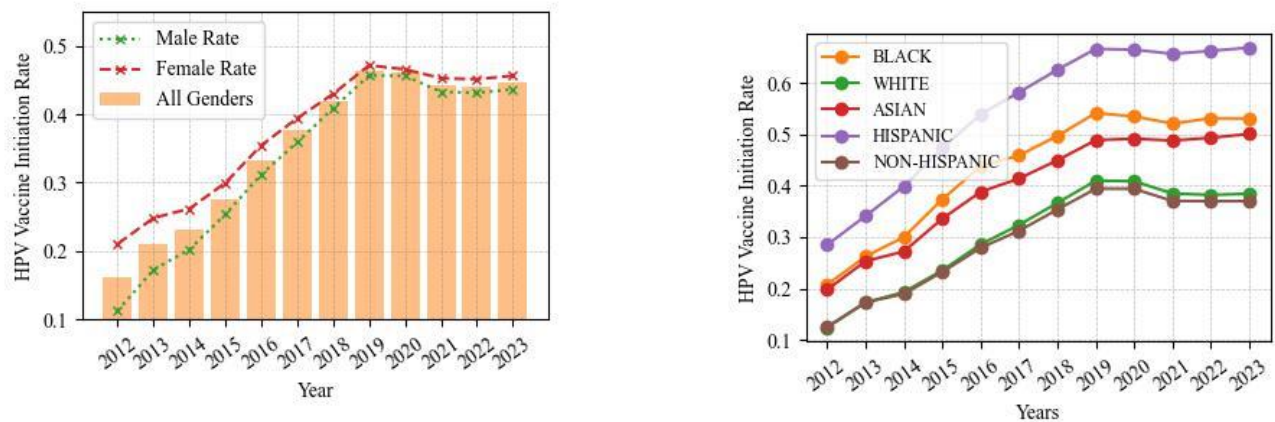


(H) Hispanic people with one or more HPV Vaccine doses.

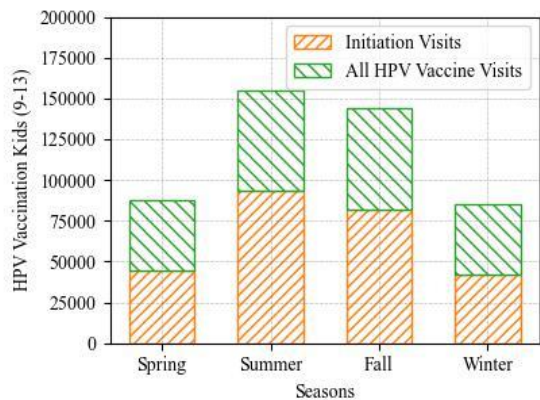
Figure 2. HPV vaccine initiation rate among 9- to 13-year-old children in Nassau and Suffolk Counties, New York. The rate here was calculated by the number of children who already initialized the HPV vaccination divided by the number of children either receive the HPV vaccination or Tdap vaccination, or both.



(A) HPV vaccine initiation rate for LI children ages 9-13 by gender. (B) HPV vaccine initiation rate for Nassau children ages 9-13 by gender.

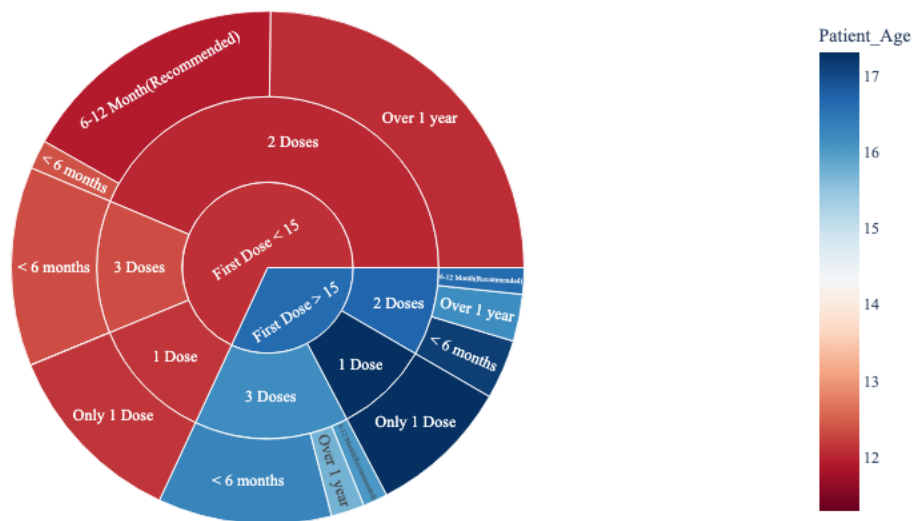


(C) HPV vaccine initiation rate for Suffolk children ages 9-13 by gender. (D) HPV vaccine initiation rate for LI children ages 9-13 by race and ethnicity.

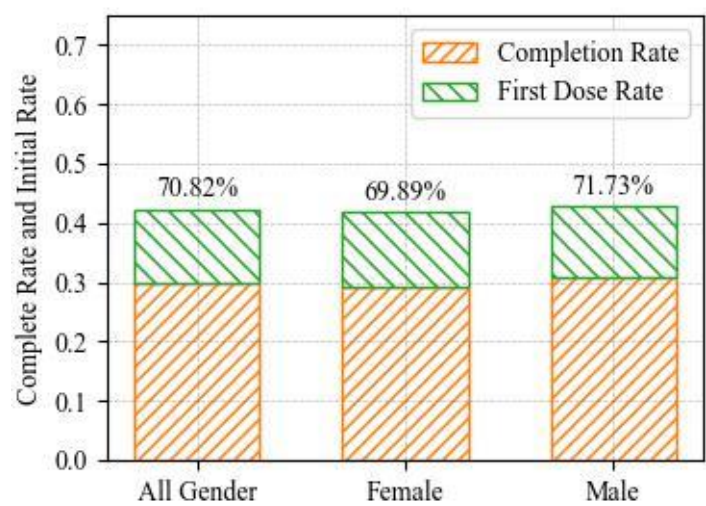


(E) HPV Vaccinated LI children ages 9-13 by Season

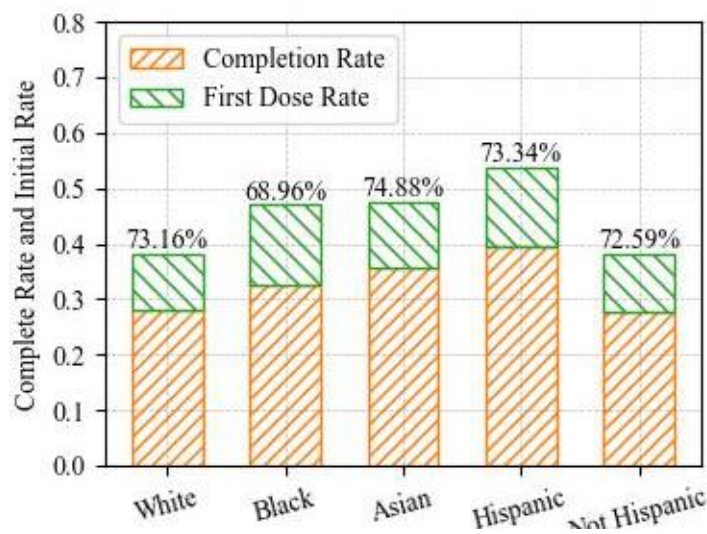
Figure 3. The completeness of the HPV vaccinated individuals on the Long Island, New York State, 2012-2023. The figures are generated according to the CDC HPV vaccination guidelines.



(A) The Nested Pie Chart shows the HPV Vaccination Patient Doses Schedule and Completeness Proportion.



(B) HPV Vaccine Series Completion by Gender¹



(C) HPV Vaccine Series Completion by Race and Ethnicity

¹The percentage on each bar represent the portion of patients who complete the HPV vaccine series towards the patients who initiate the HPV vaccine.

Figure 4. Geographical maps of HPV vaccination rates on Long Island, New York (Nassau and Suffolk Counties) among children ages 9-13 by zip code. The rate was calculated by the number of children receiving one or more HPV vaccine dose divided by the number of children who received HPV, Tdap or both vaccines.

