NCI-designated Cancer Centers Urge HPV Vaccination for the Prevention of Cancer

Approximately 79 million people in the United States are currently infected with a human papillomavirus (HPV) according to the Centers for Disease Control and Prevention (CDC), and 14 million new infections occur each year. Several types of high-risk HPV are responsible for the vast majority of cervical, anal, oropharyngeal (middle throat) and other genital cancers. The CDC also reports that each year in the U.S., 27,000 men and women are diagnosed with an HPV-related cancer, which amounts to a new case every 20 minutes. Even though many of these HPV-related cancers are preventable with a safe and effective vaccine, HPV vaccination rates across the U.S. remain low.

Together we, the National Cancer Institute (NCI)-designated Cancer Centers, recognize these low rates of HPV vaccination as a serious public health threat. HPV vaccination represents a rare opportunity to prevent many cases of cancer that is tragically underused. As national leaders in cancer research and clinical care, we are compelled to jointly issue this call to action.

According to a 2015 CDC report, only 40 percent of girls and 21 percent of boys in the U.S. are receiving the recommended three doses of the HPV vaccine. This falls far short of the goal of 80 percent by the end of this decade, set forth by the U.S. Department of Health and Human Service's Healthy People 2020 mission. Furthermore, U.S. rates are significantly lower than those of countries such as Australia (75 percent), the United Kingdom (84-92 percent) and Rwanda (93 percent), which have shown that high vaccination rates are currently achievable.

The HPV vaccines, like all vaccines used in the U.S., passed extensive safety testing before and after being approved by the U.S. Food and Drug Administration (FDA). The vaccines have a safety profile similar to that of other vaccines approved for adolescents in the U.S. Internationally, the safety of HPV vaccines has been tested and approved by the World Health Organization's Global Advisory Committee on Vaccine Safety.

CDC recommends that boys and girls receive three doses of HPV vaccine at ages 11 or 12 years. The HPV vaccine series can be started in preteens as early as age 9 and should be completed before the 13th birthday. The HPV vaccine is more effective the earlier it is given; however, it is also recommended for young women until age 26 and young men until age 21.

The low vaccination rates are alarming given our current ability to safely and effectively save lives by preventing HPV infection and its associated cancers. Therefore, the 69 NCI-designated Cancer Centers urge parents and health care providers to protect the health of our children through a number of actions:

- We encourage all parents and guardians to have their sons and daughters complete the 3-dose HPV vaccine series before the 13th birthday, and complete the series as soon as possible in children aged 13 to 17. Parents and guardians should talk to their health care provider to learn more about HPV vaccines and their benefits.
- We encourage young men (up to age 21) and young women (up to age 26), who were not vaccinated as preteens or teens, to complete the 3-dose HPV vaccine series to protect themselves against HPV.
- We encourage all health care providers to be advocates for cancer prevention by making strong recommendations for childhood HPV vaccination. We ask providers to join forces to educate parents/guardians and colleagues about the importance and benefits of HPV vaccination.

HPV vaccination is our best defense in stopping HPV infection in our youth and preventing HPV-related cancers in our communities. The HPV vaccine is CANCER PREVENTION. More information is available from the CDC.

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Fred & Pamela Buffett Cancer Center
The Wistar Institute
Case Western Reserve University Case Comprehensive Cancer Center
The James The Ohio State University Comprehensive Cancer Center
Stanford Cancer Institute Stanford Medicine
Purdue University Center for Cancer Research
Moffitt Cancer Center
NewYork-Presbyterian Columbia University Medical Center Weill Cornell Medicine
The University of Arizona Cancer Center
Rutgers Cancer Institute of New Jersey
Einstein Albert Einstein College of Medicine
Barbara Ann Karmanos Cancer Institute Wayne State University
University of Iowa Holden Comprehensive Cancer Center University of Iowa Health Care
UC San Diego Moores Cancer Center An NCI-designated Comprehensive Cancer Center
Siteman Cancer Center A National Cancer Institute Comprehensive Cancer Center Barnes-Jewish Hospital Washington University in St. Louis School of Medicine
UCSF Helen Diller Family Comprehensive Cancer Center
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CSH Cold Spring Harbor Laboratory
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Georgetown Lombardi Comprehensive Cancer Center Georgetown University receives income from its licensing of the HPV vaccine technology for commercialization.
Sanford • Burnham • Prebys Medical Discovery Institute
The University of Kansas Cancer Center
Masonic Cancer Center University of Minnesota Comprehensive Cancer Center designated by the National Cancer Institute
USC Norris Comprehensive Cancer Center Keck Medicine of USC
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Northwestern Medicine Robert H. Lurie Comprehensive Cancer Center of Northwestern University
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