HPV Knowledge and HPV Vaccine Uptake Among 18 to 26 Year Old U.S. Navy Personnel
Jennifer J. Buechel, Commander, Nurse Corps, USN
Hahn School of Nursing and Health Science

BACKGROUND
- Health Belief Model is a psychological health behavior model developed to explain and predict health-related behaviors
- Human papilloma virus (HPV) is the most commonly sexually transmitted infection (STI) in the U.S.
- 79 million Americans are currently infected with HPV and 14 million new cases diagnosed each year
- 15 to 24 year olds account for 50% of all new HPV cases
- Cost of HPV treatment is 2 billion dollars each year
- HPV is the etiology of 100% of genital warts, and 90% of anal, 70% of cervical, 40% of penile, and 30% of laryngeal cancers
- HPV vaccination could eliminate most genital warts and HPV related cancers
- U. S. military has lower HPV vaccination rates despite high HPV rates

SIGNIFICANCE
- Several implications for nursing education, practice, and research will be identified
- Contribution to military vaccination and sexual health research
- Development of educational resources used in sexual health, preventive medicine, support groups, and deployment health
- Dissemination of findings in military medical journals (Navy Medicine) and general military magazines (Navy Times)
- HPV immunization program development and immunization policy change
- Increased HPV vaccine uptake in military personnel

PURPOSE
To describe HPV knowledge, HPV testing knowledge, HPV vaccination knowledge, and HPV vaccine uptake among USN personnel 18 to 26 years of age

RESEARCH AIMS
1) Describe HPV knowledge, HPV testing knowledge, HPV vaccination knowledge, and HPV vaccine uptake among USN Personnel 18 to 26 years of age
2) Describe relationships between HPV knowledge (general HPV knowledge, HPV testing knowledge, HPV vaccination knowledge), HPV vaccine uptake, and socio-demographic factors among USN Personnel 18 to 26 years of age
3) Identify select variables accounting for the variance in HPV vaccine uptake among USN personnel 18 to 26 years of age

METHODS
- Bivariate analysis will be used to determine relationships between HPV knowledge, HPV vaccine uptake, and socio-demographic factors
- Pearson’s R will be used for continuous variables and Chi-Square for categorical variables
- Logistic regression will be used to determine factors that account for variance in HPV vaccine

FUTURE PLANS
- The study is dissertation work in progress
- IRB approval from the University of San Diego and Naval Medical Center San Diego
- Permission from a type command as a “survey sponsor” for use of their organization and personnel

ACKNOWLEDGEMENTS
- Ann M. Mayo, RN, DNSc, FAAN, Professor, Hahn School of Nursing and Health Science, University of San Diego
- Ruth A. Bush, PhD, MPH, Clinical Associate Professor, Hahn School of Nursing and Health Science, University of San Diego, & Research Scientist, Rady Children’s Hospital San Diego
- Cynthia D. Connelly, PhD, RN, FAAN, Professor and Director of Nursing Research, Hahn School of Nursing and Health Science, University of San Diego

The views expressed in this work are those of the author and do not reflect the official policy or position of the Department of the Navy, Department of Defense, or the United States Government.
References are available upon request.