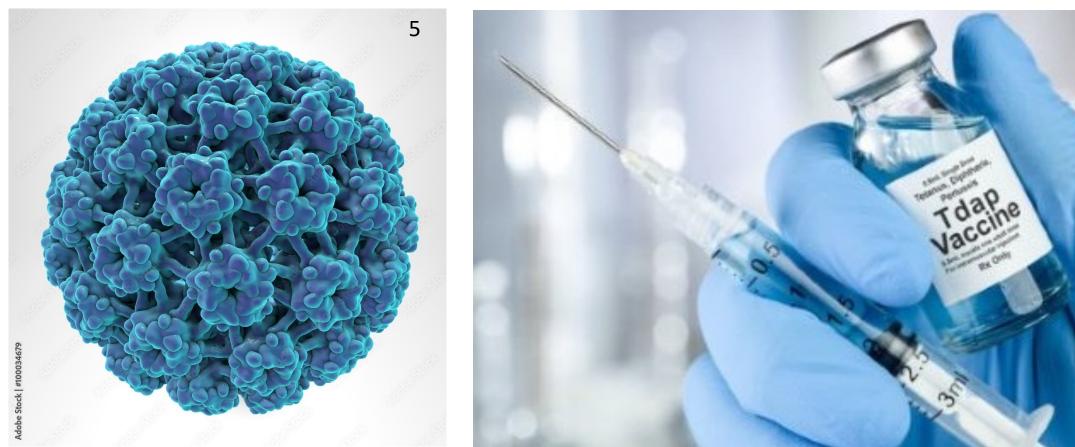


OAKLAND UNIVERSITY WILLIAM BEAUMONT

Introduction

- Human Papillomavirus (HPV) remains one of the most common risk factors for malignancy ¹
- Although 90% of these malignancies can prevented by vaccination, the Michigan HPV vaccination rate remains behind the national average ²⁻³
- Over 90% of cervical cancer is thought to be linked to HPV⁴
- HPV is also a leading cause of oropharyngeal, anal, and genitourinary cancers
- We sought to estimate the proportion of Michigan adults who believed in several misconceptions about the HPV vaccine



Aims and Objectives

Our primary aims were:

- Provide preliminary estimates of the proportion of Michigan adults who agreed with widespread misconceptions about the HPV vaccine
- Assess knowledge of HPV vaccine in Michigan
- Identify some of the barriers to HPV vaccination
- Provide recommendations to improve the HPV vaccination rate



Agreement with Popular HPV Vaccine Myths Among Michigan Adults Ramanathan S¹, Hajj-Hussein I²

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Methods

- Adults at American Cancer Society (ACS) Relay For across Southeast Michigan were surveyed between 2020
- Surveys were administered in person and took appi 3 minutes to complete
- Demographic data included area of residence, age, and parental status were collected
- Agreement with popular myths regarding the HPV were included in the survey, and agreement or disa with these questions were assessed using "True/Fa questions

Results

- 389 adults were surveyed across 12 events
- Mean age 43.7 years
- 30.4% male & 69.6% female
- 63.2% parents
- <30% believe that HPV prevents oral cancers in mer women

Myths

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The HPV vaccine has serious side effects

The HPV vaccine causes fertility issues

The HPV vaccine contains harmful ingredients

The HPV only for sexually active persons

The HPV vaccine only for women

The HPV vaccine is ineffective at preventing cancer

	Conclusions
Life events n 2019 and	 A significant proportion of Michigan adults thought the vaccine was unsafe Harmful chemicals
roximately	 Adverse side effects Fertility issues
gender,	 Our data supports the theory that vaccine misconceptions may play a notable role in
vaccine agreement alse"	 hindering HPV vaccine rates in Michigan Less than one-third believed that the HPV vaccine could prevent oral cancers
	The findings highlight an urgent need for additional steps to increase awareness regardi the HPV vaccine and interventions to improve vaccine administration rates.
	Recommendations
n and	 Address concerns about HPV vaccine safety Increase provider point-of-care endorsement of HPV vaccination Launch targeted awareness campaigns for
Rate of Belief n (%)	cancer prevention through HPV vaccinationIncrease access to vaccination
138 (35.5)	References
142 (36.5)	
101 (26.0)	2 https://www.cancer.org/healthy/cancer-causes/infectious-agents/hpv/hpv-vaccine- facts-and-fears.html
108 (27.8)	3 https://www.michigan.gov/- /media/Project/Websites/mdhhs/Folder2/Folder22/Folder1/Folder122/HPV_Snapsh ot_Pharmacy.pdf?rev=
82 (21.1)	4 https://www.cdc.gov/cancer/hpv/statistics/index.htm
	5 https://stock.adobe.com/search?=hpv+virus&get_facets=0&asset_id= 100034679 6 https://www.shutterstock.com/image-photo/small-drug-vial-tdap-vaccine
70 (24.4) 85 (21.8)	7 https://stock.adobe.com/images/Male-doctor-holding-syringe-making-covid-19- vaccination-injection-dose-in-should/
	Acknowledgements
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