

THE INFECTION ASSOCIATED-CERVICAL CANCER AND BREAST CANCER IN THE LATINO HISPANIC COMMUNITY

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HISPANIC POPULATION

- 55 million of Americans , 17% of the total US population
- Growth in the Hispanic population driven by births

Figure 1. Hispanic Population Distribution as a Percent of Total County Population

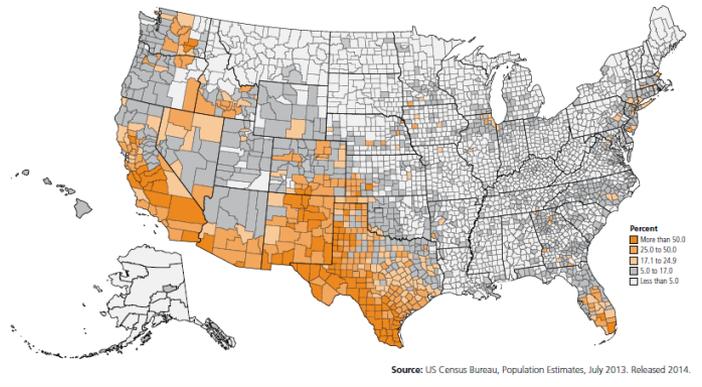
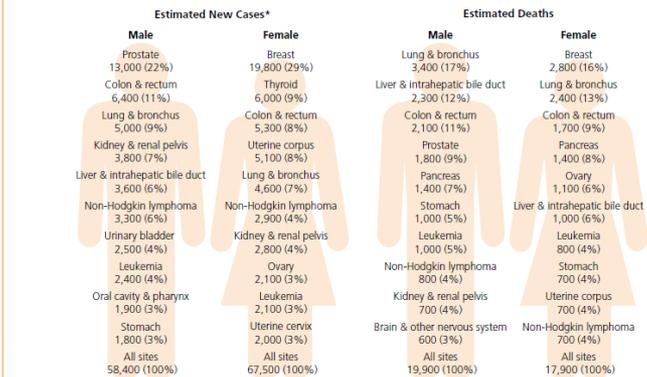


Figure 2. Leading Sites of New Cancer Cases and Deaths among Hispanics – 2015 Estimates



*Estimates exclude basal and squamous cell skin cancers and in situ carcinoma except urinary bladder.

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BREAST CANCER

- Acculturation: process by which immigrants adopt attitudes, values customs, beliefs, and behaviors of their new culture
- Most commonly diagnosed cancer and leading cause of cancer death among Hispanic women but lower than non-Hispanic white women
- Protective factors against BC: first child at younger age, more number of children, breastfeeding
- Higher risk for BC: high-dose estrogen oral contraceptives
- BC less likely to be dx at local stage (lower rates of mammography)

FACTS.....

CDC's estimates of sexually transmitted infections:

Annual new infections

(Incidence)

20 million

- United States, 2008

Total infections

(Prevalence)

110 million

- United States, 2008

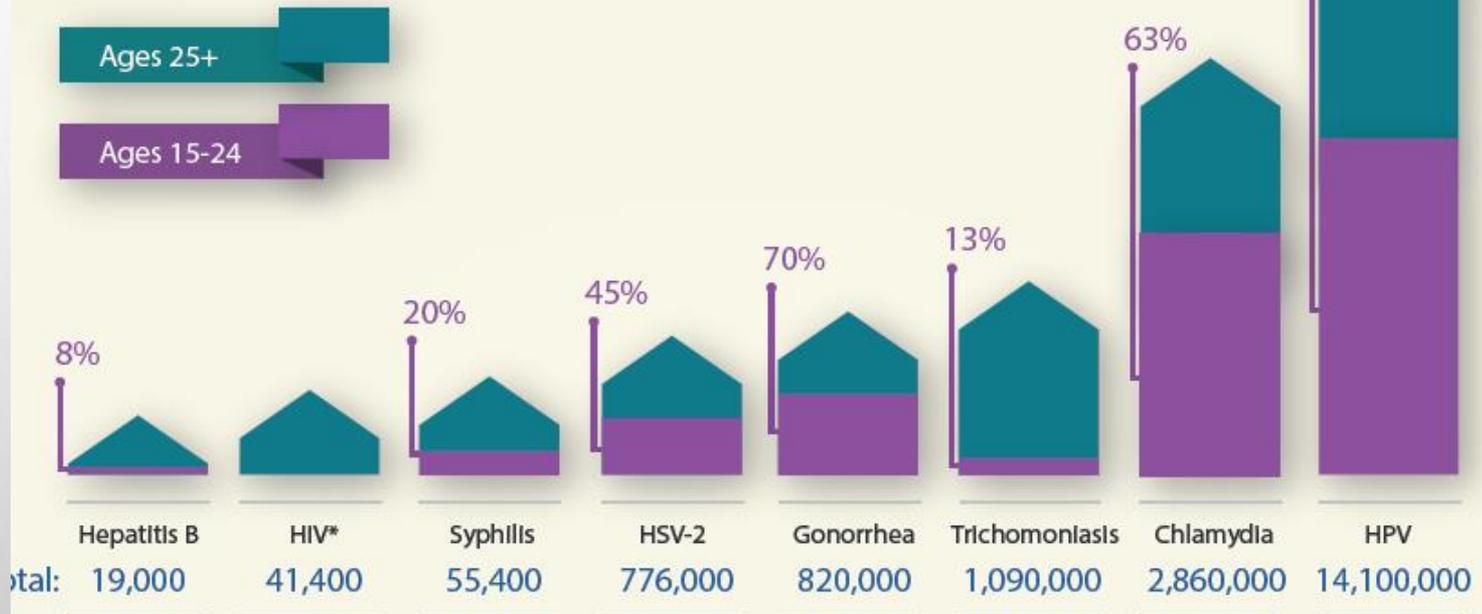
Total medical costs

\$16 billion

- United States (in 2010 dollars)

Estimated number of new sexually transmitted infections

- United States, 2008



Young people (15-24) represent 50% of all new STIs

TOTAL: 19,738,800

HPV AND CERVICAL CANCER

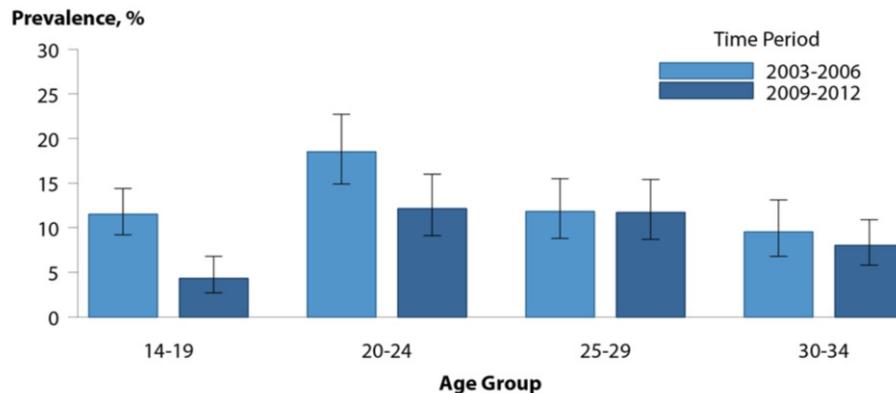
- HPV is the most common and most costly sexually transmitted disease worldwide
- Nearly all cervical cancers are caused by the Human papillomavirus (HPV) strains 16 & 18
 - About 12,000 cervical cancer cases per year
 - About 4,000 cervical cancer deaths per year
- Disparities on incidence and mortality cervical cancer
- Newly dx with CC: 30-60% never had screening test, 15% inadequate f/u of abnormal PAP



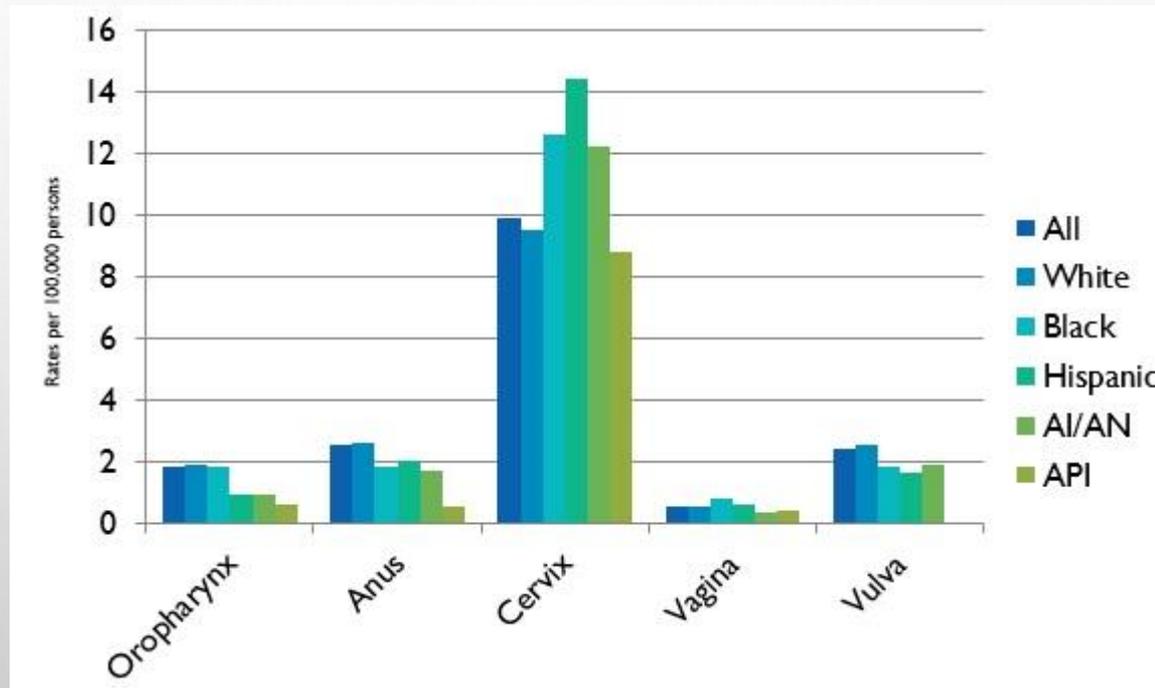
In **2015**, the latest year for which incidence data are available, **12,845 new cases of Cervical Cancer were reported**, and **4,175 women died of Cervical Cancer in the United States**. For every 100,000 women, **8 new Cervical Cancer cases were reported** and **2 died of cancer**.

Cancer is the second leading cause of death in the United States, exceeded only by heart disease. **One of every four deaths in the United States is due to cancer.**

Figure 46. Human Papillomavirus – Cervicovaginal Prevalence of Types 6, 11, 16 and 18 Among Females Aged 14–34 Years by Age Group and Time Period, National Health and Nutrition Examination Survey (NHANES), 2003–2006 and 2009–2012

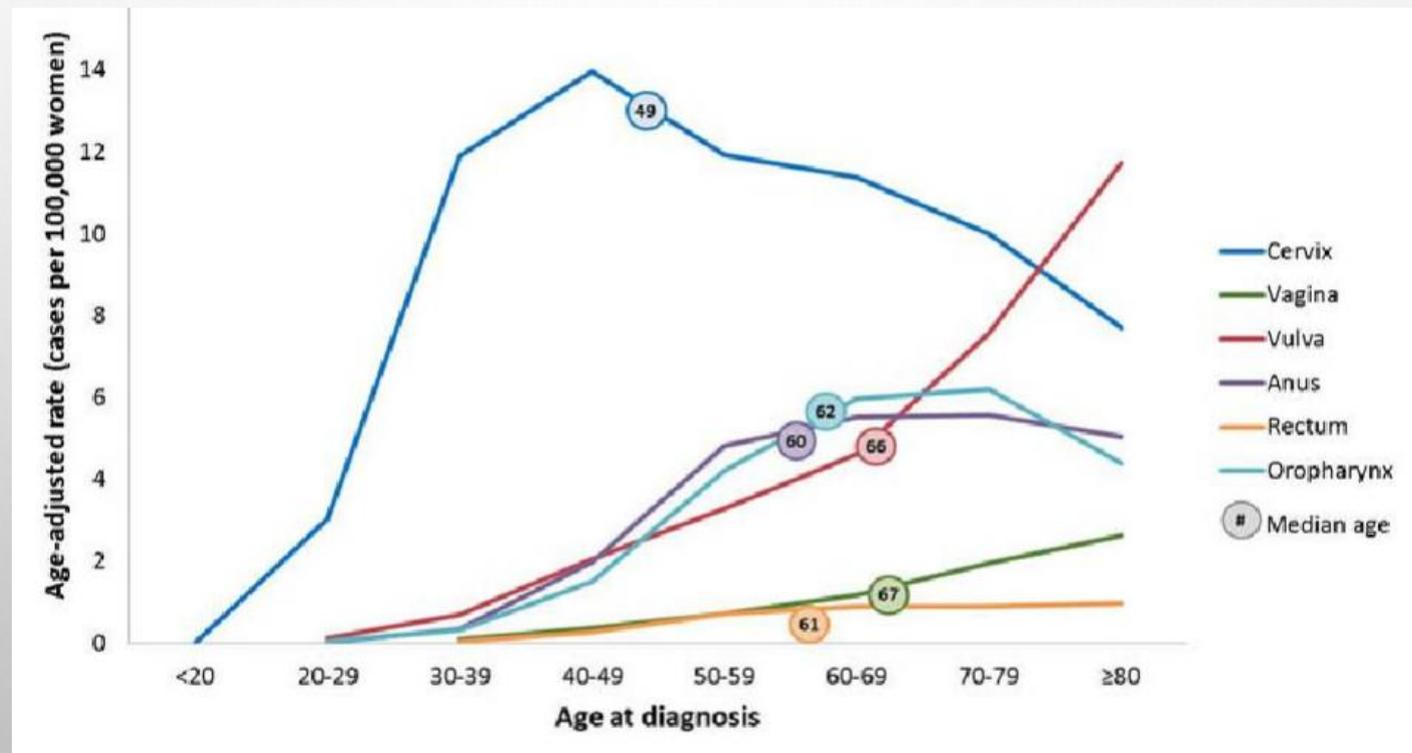


HPV-RELATED CANCERS IN WOMEN



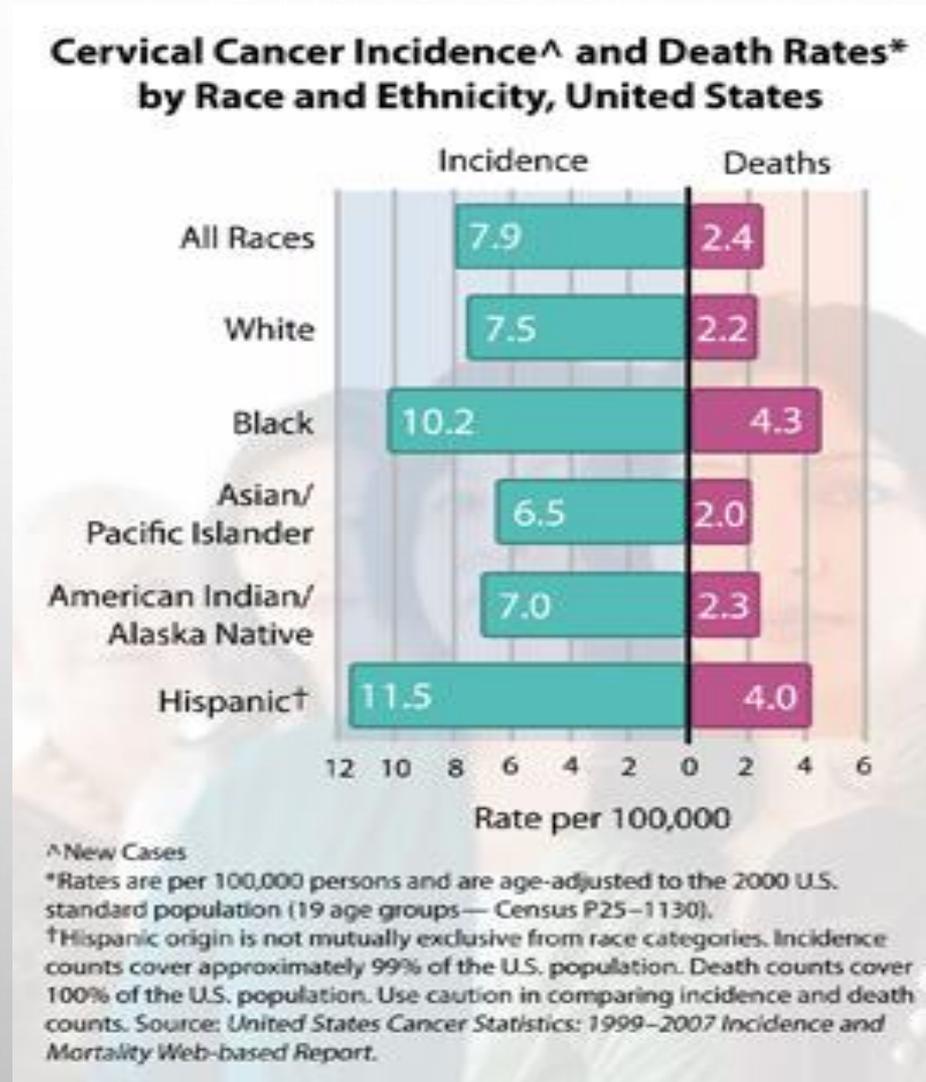
Annual Report to the Nation on the Status of Cancer, 1975-2009.
Latinas have a higher incidence of cervical cancer 11.1/100,000 women

HPV AND CERVICAL CANCER



INCIDENCE AND MORTALITY RATES

1999-2007

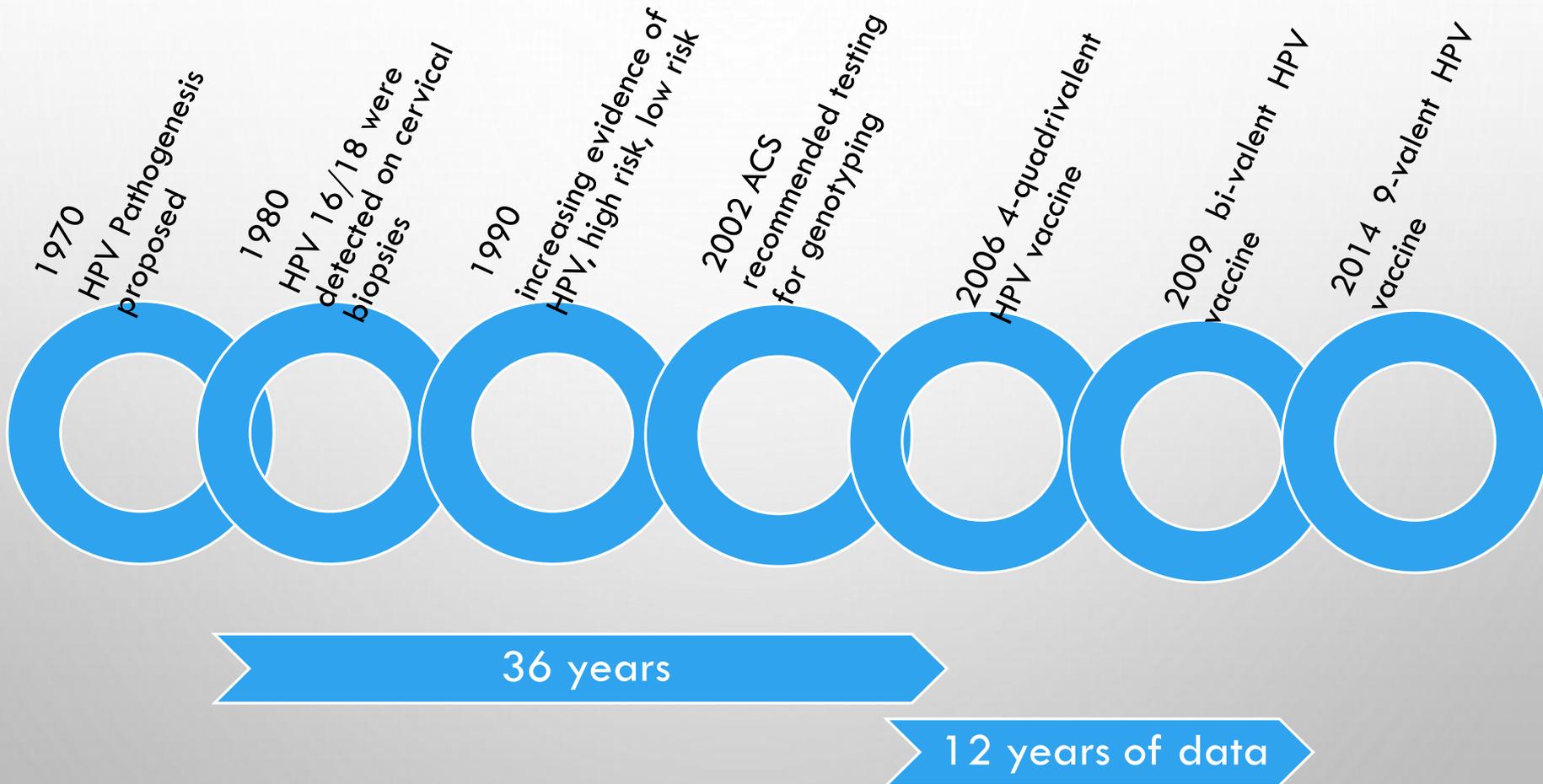


HPV

- Immune system could clear HPV naturally within two years
- No treatment for the virus itself
- Treatments for the serious diseases that HPV : genital warts, cervical, and other cancers (oropharyngeal)
- HPV vaccines are most effective if provided before an individual ever has sex.

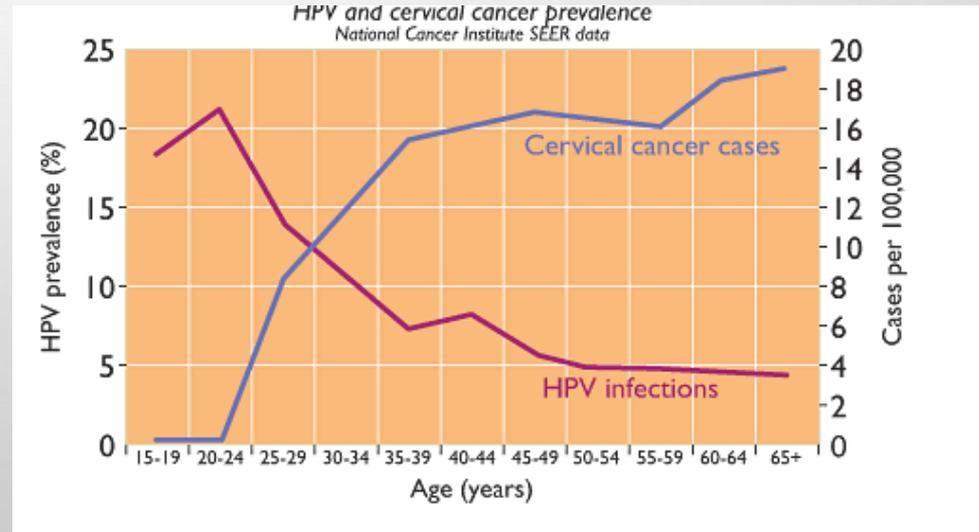


HPV VACCINE DEVELOPMENT



RISK FACTORS FOR HPV INFECTION

- Going to college
- HPV infection: 80% women got infected with HPV by age 50
- Let's look in the mirror



PHYSICIANS AND BARRIERS WITH HPV RECOMMENDATION

- 27% physicians do not endorse HPV vaccine
- 26 % physicians do not deliver timely recommendation
- 59% used risk-approach to offer the vaccine
- Only 51% offer the vaccine
- We recommend last on the schedule...we have to change that!
- THINK OF HPV AS A REGULAR HUMAN FLORA

PHYSICIANS AND HPV RECOMMENDATION

- DO NOT KEEP DOUBLE STANDARDS



OUR CHALLENGE....

- FOR THE FIRST TIME WE AS PEDIATRICIANS AND FAMILY MEDICINE PHYSICIANS ARE CALLED TO PREVENT SOMETHING THAT WE DON'T NORMALLY SEE AND TREAT !!!!

WHAT DO YOU THINK OF THIS HEALTH SYSTEM?

- 332 sites
- 13 hospitals
- Six ambulatory surgery centers
- 2,350+ licensed inpatient beds
- 338 continuum service beds
- 584,000+ Paramount insurance members
- 900+ employed physicians and providers
- 2,300+ physicians with privileges
- 15,000+ employees
- 90,000+ inpatient discharges
- 71,000+ surgeries
- 8,200+ births
- 422,000+ rehabilitations therapy encounters
- \$3.1 billion revenue
- Strong financial ratings

- Rated 99th out of 180 in Gallup Well-Being Index
- 70% of adults overweight
- 36% of low-income families concerned about having enough food
- Ranked 69th of 88 counties for health outcomes
- Large race disparity for infant mortality / low-birth-weight babies
- Ranked 5th for concentrated, extreme poverty in the country
- 28% of youth reported they felt sad or hopeless every day for 2 weeks or more in a row
- 29% children living in poverty
- Highest number of homeless students in public school system in the state

How do we make a distinct impact relative to our resources?

ARE WE ASKING THE RIGHT QUESTIONS?

We do ...

Ask about and encourage exercise

Ask about and encourage people to lose weight

Check vital signs

Check a child's growth

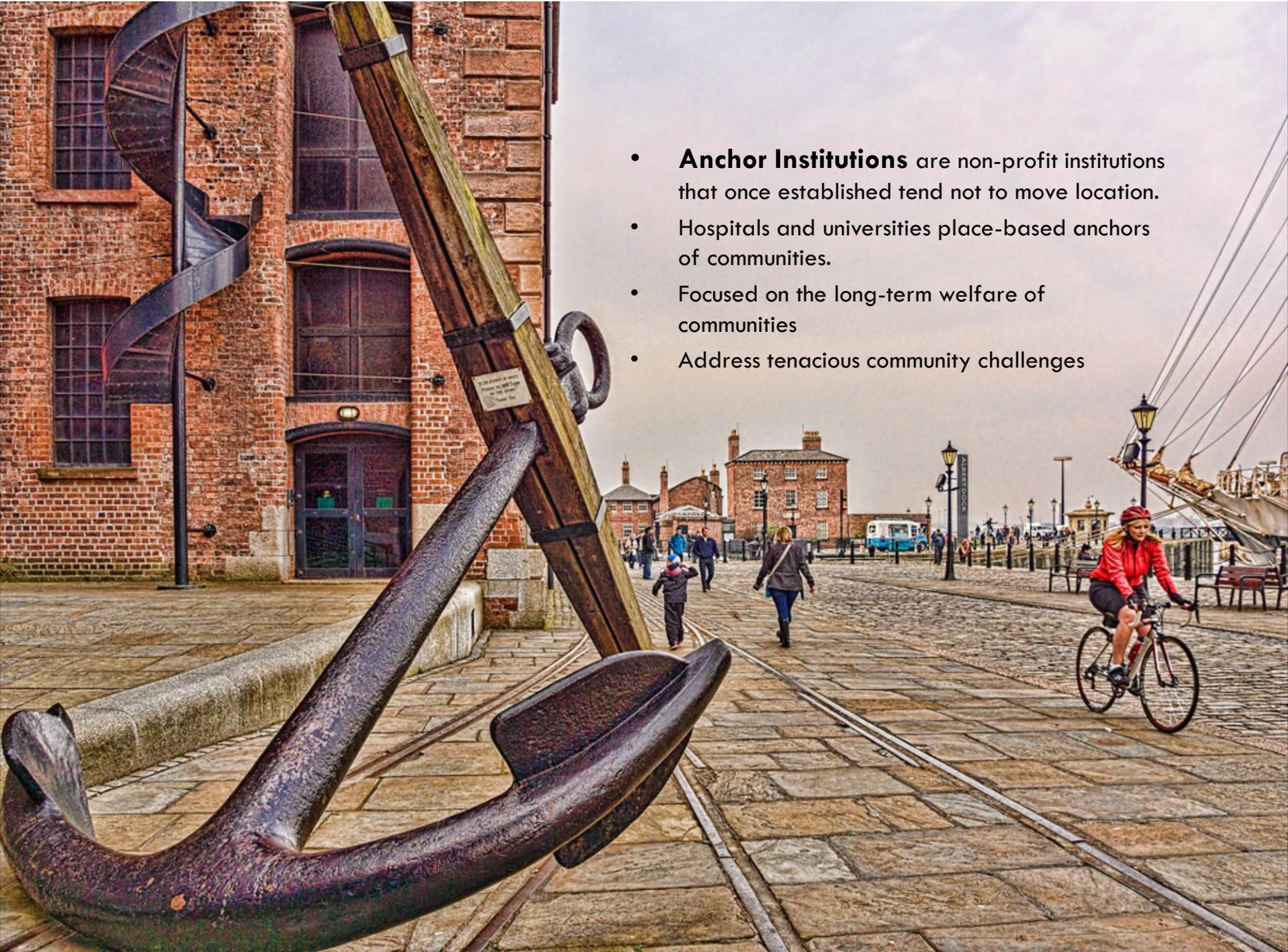
Physical examinations

Provide education to patients

Criticize patients who fail to show up for appointments

But we don't ...

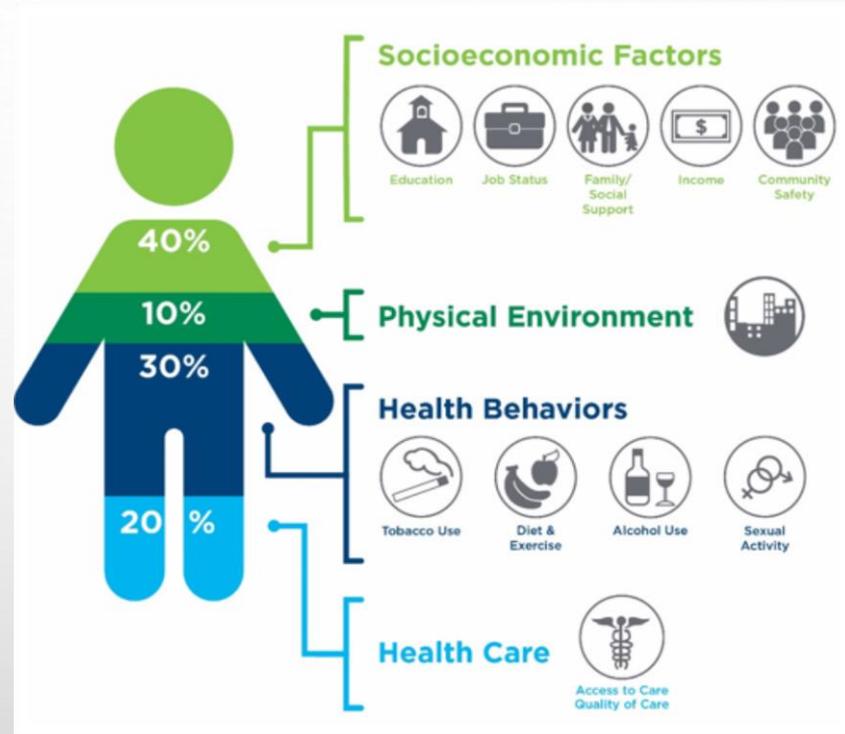
- • • Ask about safety in neighborhoods
- • • Ask about their diet and ability to secure healthy food
- • • Screen for mental health
- • • Look for signs of toxic stress
- • • Ask about their insurance information
- • • Ask if they can't read
- • • Ask if they have transportation



- **Anchor Institutions** are non-profit institutions that once established tend not to move location.
- Hospitals and universities place-based anchors of communities.
- Focused on the long-term welfare of communities
- Address tenacious community challenges

FOCUSING ON WHAT DRIVES HEALTH ..

20 percent
of health
and well being
is related to
access to care and
quality of services



SOCIAL DETERMINANTS ON CERVICAL CANCER

- ◆ Health is affected by economic and social conditions
- ◆ Health disparities are linked to lack of opportunity and resources
- ◆ Social determinants on cervical cancer
 - ◆ Lack of access to PAP screening
 - ◆ Low income, low educational level, lack of insurance

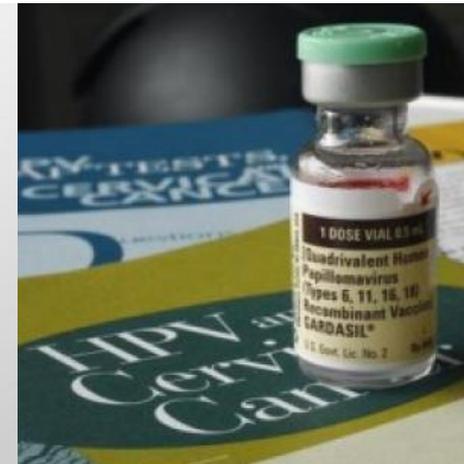
CERVICAL CANCER EARLY DETECTION

- HPV Testing Recommendations
 - Age 30 or older
 - Abnormal Pap smears
- Cervical Cancer Screening Recommendations
 - Beginning at age 21
 - Ages 21 to 29 - Pap test every 3 years
 - Ages 30 to 65 - Pap test and HPV test every 5 years; OR a Pap test alone every 3 years.

CERVICAL CANCER PREVENTION

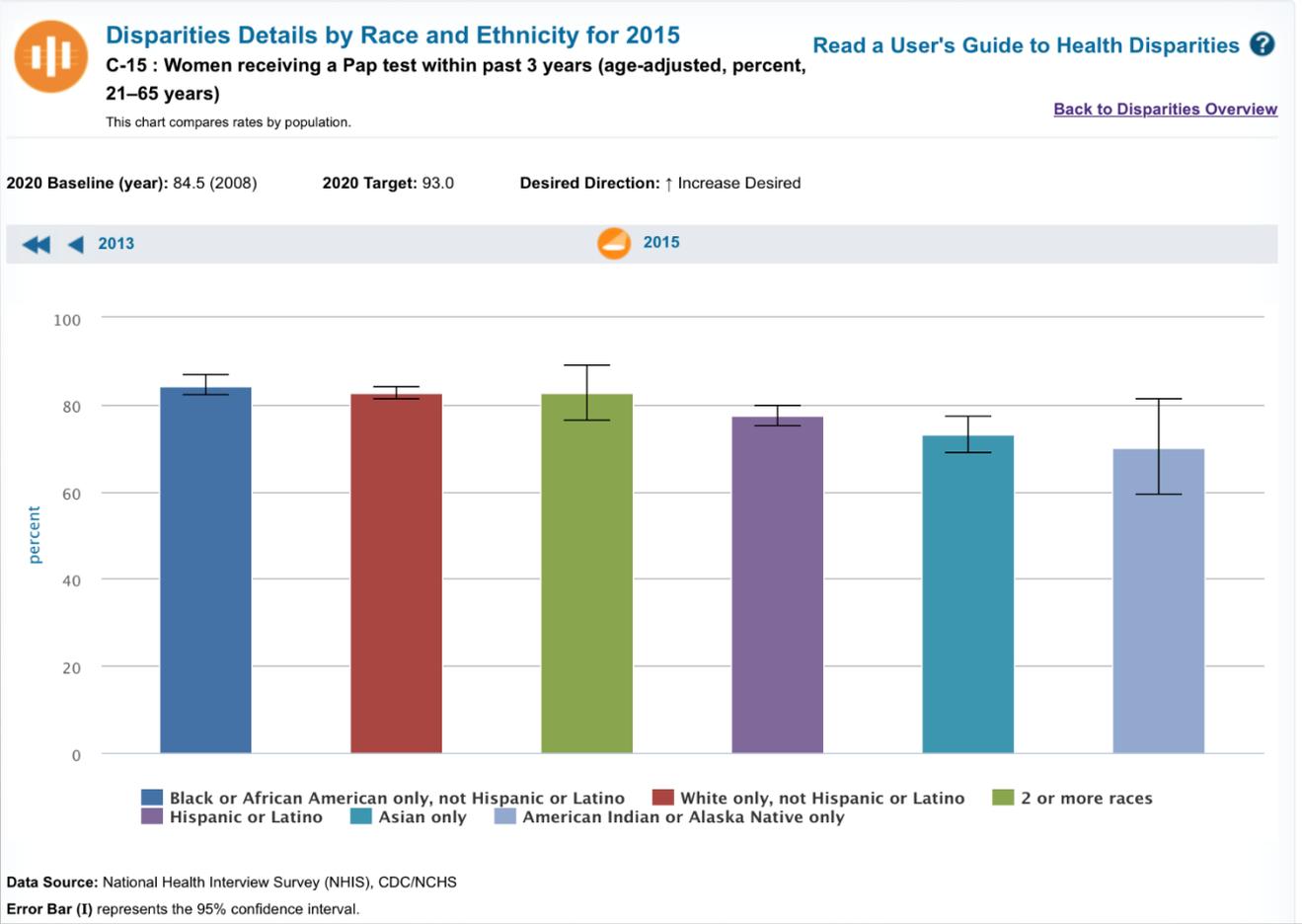
- HPV Vaccine Recommendations:
 - Gardasil and Cervarix and Cervarix 9
 - Females ages
 - 9-14: 2 doses
 - 14-26 years old
 - Some groups still require 3 doses
 - Males ages 11-21
- Circumcision....?
- Reducing Behavioral Risks
 - Regular use of condoms
 - Limiting the number of partners

HPV VACCINE
IS CANCER PREVENTION



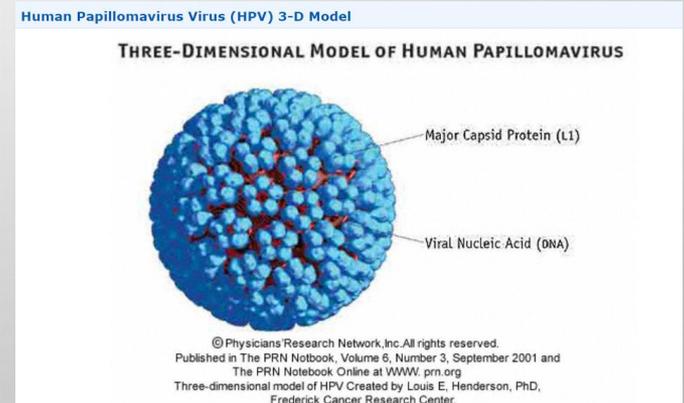


- HEALTHY PEOPLE 2020'S OBJECTIVE FOR CERVICAL CANCER IS TO REDUCE THE MORTALITY RATE BY 10%



FACTORS AFFECTING CERVICAL CANCER PREVENTION AND TREATMENT

- Cost and Access to Care
- Cultural Beliefs/Language
- Lack of Knowledge/ Misconceptions
- Psychological Factors
- Patient/Parents Factors/ Acceptance



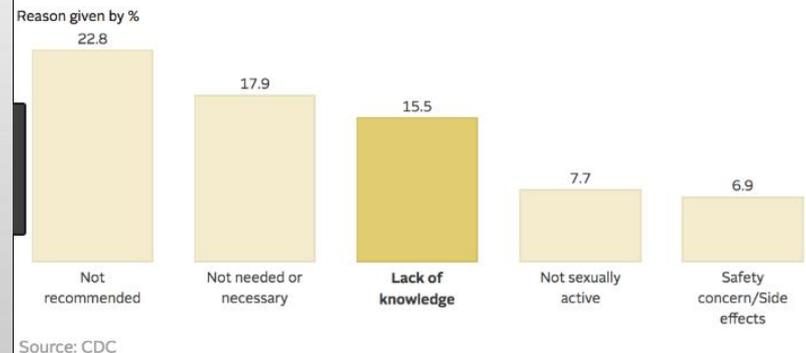
PARENT & HEALTH CARE PROVIDER FACTORS IN ACCEPTANCE OF VACCINE

- Parental consent/acceptance
- Barriers for parents
- Physicians/pediatricians beliefs and attitudes

Legislation to Increase Uptake of HPV Vaccination and Adolescent Sexual Behaviors

Erin E. Cook, Atheendar S. Venkataramani, Jane J. Kim, Rulla M. Tamimi, Michelle D. Holmes

Top reasons parents don't give their boys HPV vaccine



INTERVENTIONS TO REDUCE HEALTH DISPARITY

- ADDRESSING COST ISSUE
- EDUCATION....SOCIAL MEDIA AND PROVIDE PEDIATRICIANS WITH RESOURCES AND TRAININGS ON HOW TO APPROACH PARENTS. FOCUS GROUPS AT SCHOOL
- ENGAGING HEALTH CARE WORKERS : BILINGUAL SOCIAL WORKES
- CULTURALLY-TAILORED INTERVENTIONS: SCHOOLS, CHURCHES
- ENGAGE FRIENDS AND FAMILY
- EMPOWERING LATINAS

FUTURE DIRECTIONS

February 01, 2018



- Encourage HPV vaccine in boys and girls
- Continue building culturally-tailored research and interventions for Latinas