Teaching Pediatricians QI Skills Through HPV-Cancer Prevention Projects

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Presenters

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- Laura Noonan, MD, Founding Organizer and current Director, Center for Advancing Pediatric Excellence (CAPE), Levine Children’s Hospital, Carolinas Medical Center, Laura.Noonan@carolinashealthcare.org
- Christina Albertin, RN, MPH, University of Rochester Medical Center, Rochester, NY, Christina_Alpertin@urmc.rochester.edu
Dr. Humiston’s institution receives grant funding from the Pfizer Foundation for her work on an immunization education project.
Overview

- Why focus on HPV vaccination? (Humiston)
- AAP HPV QI Projects, Q & A (Noonan)
- APA HPV QI Projects, Q & A (Albertin)
- Wrap up (All)
At the end of the presentation participants will be able to:

- Formulate a change cycle that incorporates change ideas relevant to previously published in the medical literature on vaccination and specifically to HPV vaccination.

- Illustrate examples of approaches taken by AAP Chapters to increase HPV vaccination coverage in their jurisdiction.

- Describe how faculty can help pediatric residents translate residency requirements into QI projects that are meaningful to both the learner and the continuity clinic, and are applicable to current ABP requirements.
INTRODUCTION
Practicing pediatric physicians & residents may have trouble identifying an important project

1. Applicable to their focus in primary care
2. Meaningful to their values as prevention leaders
3. In which they play a central role without an unmanageable work burden
The Importance of HPV Vaccination

- Most common STI

- ~31,500 cancers attributable to HPV occur annually in US

- HPV cause cancers of the oropharynx, penis, anus/rectum, uterine cervix, vagina, vulva

- Among HPV-attributable cancers
  - Cervical cancers are the most common in women
  - OP cancers are the most common in men
Average number of cancers per year in sites where HPV is often found, US

- Cervix
- Vagina
- Vulva
- Penis
- Anus
- Rectum
- Oropharynx

Legend:
- 16/18
- 31/33/45/52/58
- HPV but not in vaccine
- Not HPV
Based on data from 2008 to 2012, about 38,793 HPV-associated cancers occur in the US each year: about 23,000 among women, and about 15,793 among men.
Deaths from Diseases Covered in Adolescent Vaccine Series

Estimated Annual Deaths

Data Sources: CDC, 2016; CDC 2015; American Cancer Society
Cervical Cancer During Child-bearing Years

38% of cervical cancers occur in women between the ages of 20 & 44 years.

Why is HPV immunization an excellent QI education focus for residents & community pediatricians?

- Public health importance, personal importance (the whole team can get excited about this)
- Low rates = low hanging fruit can use topic more than once
- Measurable
- Literature on change ideas
Immunization change ideas published in the medical literature

http://www.thecommunityguide.org/vaccines/index.html
### Provider-Based Recommendations

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https://www.thecommunityguide.org/content/task-force-findings-increasing-vaccination#provider-system-based
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