

# #StayWell2022



## A Teen Vaccine



QI Learning Collaborative

### Specific Aims

#### By August 2022 we will

- increase HPV vaccine completion for 9- to 12-year-olds by five percent over practice baseline
- Increase Tdap and MenACWY vaccine completion for 11- to 12-year-olds by five percent over practice baseline

### Global Aim

The global aim for #StayWell2022 is to ensure teens are fully vaccinated by age 13

## Key Driver Diagram

**KD1: The practice has reliable methods to collect and analyze population data for the teen vaccines**

**KD2: The practice maximizes opportunities for vaccine completion**

**KD3: The practice uses evidence-based strategies to communicate the importance of vaccine completion**

## Change Concepts + Interventions

- Identify a practice physician and staff champion to track and act upon population data
  - Maintain system(s) to track teen vaccines
  - Utilize State Immunization Registry
  - Standardize immunization data
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- **Reduce Missed Opportunities**
    - Practice has standardized vaccine schedule
    - **Vaccinate for HPV at ages 9 and 10**
    - **Vaccinate at all visits – acute, chronic and well**
    - Vaccinate siblings at visits
    - Use standing orders and protocols
    - Huddle daily to communicate vaccine opportunities
    - Utilize provider prompts- EHR pop-ups, manual alerts
    - Provide routine feedback on provider vaccine completion
    - Defer vaccines only for true contraindications and precautions
    - Know vaccine ingredients to avoid unnecessary deferrals for allergy concerns
  - **Reminder/Recall**
    - Test to identify best reminder/recall method(s): advance scheduling, text, social media, website, email, phone call, portal
  - **Create Additional Vaccination Opportunities**
    - Offer family friendly office hours
    - Incentivize vaccinations (raffles, gift cards)
    - Work with schools
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- **Strong provider recommendation**
  - Apply evidence-based messaging for vaccine hesitancy (shared decision making)
  - **Create a vaccine supportive culture**
  - **Public facing display of practice support for vaccines**
  - **Educate staff on vaccine importance to practice**
  - Create youth and family advisories to inform practice workflows
  - Project an adolescent-friendly office

## Key Driver 1 *Manage Population* -- the practice has reliable methods to collect and analyze population data for the teen vaccines

### Change Concept

Physician and staff champion

Maintain system(s) to track teen vaccines

Utilize state immunization registry

Immunization registry tips

### Interventions

- Identify a practice physician and staff champion to track and act upon population data
- [Evidence for using Immunization Information Systems \(IIS\)](#)
- [ImmPRINT Manual](#)
- Standardize immunization Data Entry to minimize duplication and accurately reflect race and ethnicity
- Standardize MOGE (moved or gone elsewhere) registry maintenance
- Standardize frequency to run data reports to assess vaccine completion and identify outreach opportunities
- Reconcile data from available registries (ImmPRINT, Payer (AMA and BCBS), practice EHR)
- Include registry tasks in job descriptions
- [A VFC Providers Guide to Success](#)

## Key Driver 2 Effective Workflow for Immunization Completion -- the practice maximizes opportunities for vaccine completion

### Change Concepts

#### Reduce missed opportunities

Practice has a standardized vaccine schedule

Vaccinate for HPV at 9 and 10

Vaccinate all visits – acute, chronic and well...

Vaccinate siblings at visits

Use standing orders and protocols

Huddle daily to communicate vaccine opportunities

Utilize provider prompts -- EHR pop-ups, manual alerts

Provide routine feedback on provider vaccine completion

Defer vaccines only for true contraindications and precautions

Know vaccine ingredients to avoid unnecessary deferrals for allergy concerns

### Interventions

- Practice has a standardized vaccine schedule updated annually to reflect ACIP schedule

- Why AAP recommends initiating HPV vaccination as early as age 9

- Giving vaccines with mild illness CDC
- Protocol example
- Nurse preclinic chart review

- Have protocol to register siblings at patient check in

- 10 steps to implement standing orders in your practice
- Using standing orders for administering vaccines
- HPV standing order
- MenACWY standing order
- Td/Tdap standing order
- COVID-19 standing order
- Medical management of vaccine reactions
- QI example standing order focus
- QI example standing order PDSA Cycle 1
- QI example standing order PDSA Cycle 2
- Community Guide Standing Orders

- AAP Team Huddle

- Vaccination programs provider reminders
- Community Guide Provider Reminders (Prompts)

- Run EHR reports or a chart audit based on completion by provider compared to practice
- Community Guide Provider Assessment and Feedback

- CDC contraindications and precautions
- IAC checklist for contraindications

- Vaccine excipient table CDC Pinkbook

## Key Driver 2 Effective Workflow for Immunization Completion -- the practice maximizes opportunities for vaccine completion

### Change Concepts

#### Reminder/Recall

Test to identify best reminder/recall method(s): advance scheduling, text, social media, website, email, phone call, portal

#### Create additional vaccination opportunities

Offer family-friendly office hours

Incentivize vaccinations (raffles, gift cards)

Work with schools

#### Workflow Improvements

### Interventions

- Schedule next visit when immunization due before leaving office
- [Reminder systems and strategies for increasing childhood vaccination rates: AAP Reminder Recall Systems](#)
- [Community Guide Reminder and Recall Systems](#)

- Offer vaccines weekends, evening, same day shot only appointments

- [Family incentive rewards](#)

- Encourage schools to message families that sports physicals do not replace well visits
- Develop a relationship with school nurses

- [Suggestions to Improve your Immunization Services](#)
- [Top 10 Ways to Improve Adolescent Vaccines](#)

**Key Driver 3** *Effective Two-Way Communication to Support Vaccine Completion -- The practice uses evidence-based strategies to communicate the importance of vaccine completion*

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**Change Concept**

**Tools and Resources**

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**Strong provider recommendation**

Apply evidence-based messaging for vaccine hesitancy (shared decision making)

- Unity's 3Cs Initiative using vignettes demonstrating addressing hesitancy with MI techniques
  - Communication skills for COVID vaccine
  - Immunization Action Coalition Talking About Vaccines
  - NIH-Effective Messaging in vaccine promotion
  - Does correcting myths about flu vaccines work
  - Failure of three pro-vaccination strategies
  - Vaccine Messaging Guide Yale/UNICEF
  - Equity and Hesitancy
  - Debunking Handbook 2020
  - Vaccine Management Misinformation Field Guide
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**Create a vaccine-supportive culture**

Public facing display of practice support for vaccines

- Inform families of #StayWell2022 QI project and progress
  - Parent/Teen Resources in multiple languages
    - Unity
    - Vaccine Information You Need (Immunization Action Coalition)
    - CHOP Parents PACK
    - CDC PreTeen and Teen Vaccine Resources
    - Families Fighting Flu
    - American Cancer Society Don't Wait Vaccinate
  - Campaign Toolkits for social media, websites, bulletin boards
    - CDC Lets Play Catch-up
    - AAP Immunization Campaign Toolkit
    - HHS Catch Up campaign social media
    - AAP #CallYourPediatrician Campaign toolkit
    - Celebrate National Immunization Awareness Month (NIAM) August each year CDC
  - Stock Photos
    - CDC Public Health Image Library
    - Open Stock teen photos
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Educate staff on vaccine importance to practice

- Strengthening Vaccine Confidence (webinar for office)
  - Role of nurses in HPV Vaccinations
  - Vax @ Stop Cancer -- Contact for in-office training
  - HPV Roundtable Action Guides for Physicians, Nurses, Office Teams
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**Create youth and family advisories to inform practice workflows**

Project an adolescent friendly office

- Invite youth to complete a clinical environment assessment tool for your office
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Establish a family advisory

- NICHQ Family Engagement Guide
  - AAP Family Engagement Guide for the Patient-Centered Medical Home
  - Enhancing Family engagement through QI
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Establish a teen advisory

- Creating and sustaining a youth advisory council
- Establishing a youth advisory council