AAP Quality Improvement Initiatives

Suzanne Emmer
Director, Chapter Quality Improvement Initiatives
July 26, 2018

QUALITY
Every child gets the right care, every time.

AAP PROCESSES
- Guideline Development
- Feedback and Reviews
- Implementation
- Evaluation

WHAT'S HAPPENING AT THE AAP?

UPDATE
Chapter HPV QI Initiatives

Provide opportunities for AAP chapters and districts to implement HPV QI activities focused on:

- Improving series initiation by providing a strong recommendation for the HPV vaccine and/or
- Implementing a reminder/recall protocol for HPV vaccine series completion

Chapters choose from four HPV QI projects:

1. Education in Quality Improvement for Pediatric Practices (EQIP)
2. AAP Maintenance of Certification (MOC) Project
3. AAP HPV ECHO
4. Design-Own QI Project

Chapter HPV QI Initiatives

Funding: CDC
Host trainings on QI for AAP chapter leadership and QI champions:

- 55 AAP chapters trained in ten districts
- Topics covered include foundational QI, the Model for Improvement, and QI tools (e.g., 5 whys, fishbone diagram)
- Provide ongoing and shared learning experiences

Quality Improvement Innovation Network (QuINN)
QUIIN

Mission: To improve the healthcare of children and their families in the outpatient setting by serving as the learning laboratory to test and measure the impact of evidence-based policies and best practices.

Project Topics:
- Reducing Diagnostic Errors in the Primary Care Setting
- Genetics in Primary Care
- Bright Futures – Preventative Services
- Immunizations

VIP NETWORK

Mission: To improve the value of care delivered to any pediatric patient in a hospital bed by helping providers implement clinical practice guidelines and other best practices, with a special focus on eliminating harm and waste caused by over-utilization.

Project Topics:
- Standardization of Fluids
- Asthma Pathways
- Infant Sepsis
- UTIs
- Bronchiolitis
- Pneumonia

Value in Inpatient Pediatrics (VIP) Network

Chapter Quality Network (CQN)
GLOBAL AIM: to build chapter capacity to lead improvement efforts with member practices that result in improved care and outcomes at a population level

PRACTICE GLOBAL AIM: improve care around specific topic areas, develop a sustainable QI infrastructure and support ongoing improvements in practices

CQN Works at Three Levels
Based on IHI Breakthrough Series

- Execute large-scale quality improvement projects
- Build capacity to engage in QI work with practices and develop state partners
- Improve care practices and child health outcomes

CQN Learning Collaboratives

Asthma
- 3/2018
- 3/2019
- 3/2020
- 3/2021
- 3/2022
- 3/2023
- 3/2024

ADHD
- 3/2018
- 3/2019
- 3/2020

Immunizations
- 3/2018
- 3/2019
- 3/2020

Mental Health/Adolescent Substance Use
- 3/2018
- 3/2019
- 3/2020

Judicious Use of Antibiotics
- 3/2018
- 3/2019
- 3/2020

JUDICIOUS USE OF ANTIBIOTICS

- Chapter: Virginia
- Funding: CDC, Anthem
- Phase 1: April 2017 - September 2017
  - Project aim: We will use QI methods to implement AAP recommendations and CDC Core Elements to achieve measurable improvements in:
    - Antibiotic prescribing for AOM
    - Assistance of antibiotic prescribing for URI
    - Communication practices with patients and caregivers regarding antibiotic prescribing
- Phase 2: November 2017 - May 2018
  - Project aim: We will use QI methods to implement AAP recommendations and CDC Core Elements to achieve measurable improvements in:
    - Antibiotic prescribing for sinusitis
    - Testing and antibiotic prescribing for pneumonia
    - Communication practices with patients and caregivers regarding antibiotic prescribing
**First-Line Antibiotics**

- % of AOM patients prescribed all ages who were written for first-line antibiotics by age and area.

**Education**

- % of children with appropriate education for patients 5-12 yrs.

---

**Immunizations**

- Chapters: California 2, California 4, Georgia, New Jersey, New York 2, Oklahoma
- Funding: Pfizer
- Phase 1: 2016-2017
  - Project aim: Make sustainable and measurable office process improvements in participating practices to improve immunization rates for children 19-35 months.

**Missed Opportunities to Vaccinate**

- Missed Opportunities
**Practice Population Coverage Rates**

<table>
<thead>
<tr>
<th>State</th>
<th>DPV</th>
<th>DTaP</th>
<th>IPV</th>
<th>MMR</th>
<th>Hib</th>
<th>MMR</th>
<th>VZV</th>
<th>PCV</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>84%</td>
<td>95%</td>
<td>85%</td>
<td>91%</td>
<td>95%</td>
<td>90%</td>
<td>98%</td>
<td>95%</td>
</tr>
<tr>
<td>California</td>
<td>85%</td>
<td>95%</td>
<td>86%</td>
<td>91%</td>
<td>95%</td>
<td>90%</td>
<td>98%</td>
<td>95%</td>
</tr>
<tr>
<td>Georgia</td>
<td>80%</td>
<td>80%</td>
<td>80%</td>
<td>80%</td>
<td>80%</td>
<td>80%</td>
<td>80%</td>
<td>80%</td>
</tr>
<tr>
<td>New Jersey</td>
<td>84%</td>
<td>90%</td>
<td>85%</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
</tr>
<tr>
<td>New York</td>
<td>84%</td>
<td>90%</td>
<td>85%</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>81%</td>
<td>81%</td>
<td>81%</td>
<td>81%</td>
<td>81%</td>
<td>81%</td>
<td>81%</td>
<td>81%</td>
</tr>
</tbody>
</table>

**Immunizations Opportunity**

- Funding: Pfizer
- RFP released by AAP and Pfizer early August
- Independent Grants up to $125,000
- Expanded Grantee Network
- Childhood immunizations (up to 36 months)

**ADHD**

- **Phase 1 Chapters:** Georgia, New York 1, New York 2, Texas, Arkansas, Ohio
- **Funding:** Pfizer
- **Phase 1: 2015-2016**
  - From January 2016 to November 2016, we will achieve measurable improvements in ADHD care processes by implementing key strategies from the AAP guidelines and making key practice changes.
TOTAL SYMPTOM SCORE REDUCTION
- TSS was reduced by 12% (402) per parent assessment.
- TSS was reduced by 12% (359) per teacher assessment.

PROVIDERS FEEL MORE CONFIDENT MANAGING & TREATING ADHD
- As compared to before you began this project, do you feel more confident managing and treating patients with ADHD?

IMPROVING ASTHMA CARE IN TEXAS
- Funding: GSK
- June 2018-May 2019
- Dallas, Houston, San Antonio, Austin
- Out 5th asthma collaborative!