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## Making the Management of Acute Otitis Media a SNAP

Cassandra Newell

*Children's Mercy Hospital*

Donna Wyly

*Children's Mercy Hospital*

Tanis Stewart

*Children's Mercy Hospital*

Alaina N. Burns

*Children's Mercy Kansas City*

Brian R. Lee

*Children's Mercy Hospital*

*See next page for additional authors*

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**Authors**

Cassandra Newell, Donna Wyly, Tanis Stewart, Alaina N. Burns, Brian R. Lee, and Rana El Feghaly

# Making the Management of Acute Otitis Media a SNAP

Cassandra Newell MSN, RN, APRN, CPNP<sup>1</sup>; Donna Wylly MSN, RN, APRN, CPNP-AC, PPCNP-BC<sup>1</sup>; Tanis Stewart MSN, RN, FNP-BC, CPN<sup>1</sup>;

Alaina Burns PharmD, BCPPS<sup>2</sup>; Brian Lee, MPH, PhD<sup>3</sup>; Rana El Feghaly MD, MSCI<sup>4</sup>

<sup>1</sup> Division of Emergency Medicine; <sup>2</sup> Pharmacy; <sup>3</sup> Health Services & Outcomes Research; <sup>4</sup> Division of Infectious Diseases

## Children's Mercy Kansas City

### BACKGROUND

- 2013 American Academy of Pediatrics (AAP) Acute Otitis Media (AOM) guidelines recommend providers offer a Watchful Waiting (WW) or Safety Net Antibiotic Prescription (SNAP) for non-severe cases
- 228 randomly selected records of patients seen in the Emergency Department (ED) with AOM between August 2017 and April 2018 were reviewed
- All patients received immediate antibiotic prescriptions
- 67 patients (29.4%) would have qualified for WW/SNAP

### AIM

- To increase WW/SNAP in children  $\geq 6$  months old diagnosed with AOM by Advanced Practice Providers (APPs) in the ED from 0% to 15% by May 2020
- Outcome measures: % of WW/SNAP and % of parental acceptance of SNAP when offered
- Balancing measures: return to the ED within 14 days and/or tympanic membrane (TM) perforations

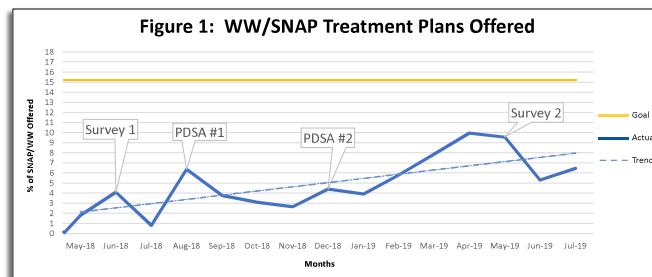
### METHODS

- June 2018: 13 (52%) of ED APPs completed a pre-intervention survey on the AAP guideline (Figures 3 & 4)
- PDSA #1- August 2018: Algorithm summarizing the guidelines placed in highly visible APP work areas
- PDSA #2- December 2018: Standardized electronic medical record documentation of parent education was developed and shared with ED APPs
- May 2019: 7 (28%) of ED APPs completed a post-intervention survey (Figures 3 & 4)

### RESULTS

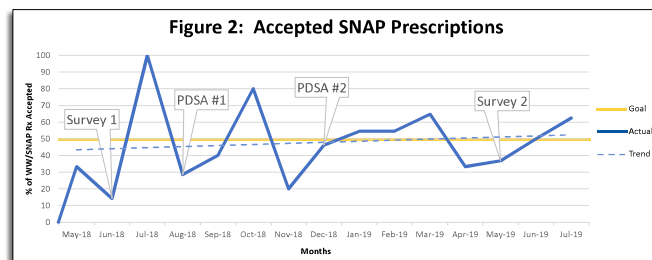
#### Aim:

The percentage of patients offered a WW/SNAP prescription steadily increased (0% to 6.5%) from April 2018 to July 2019. Prior to May 2018, WW/SNAP was not offered. (Figure 1).



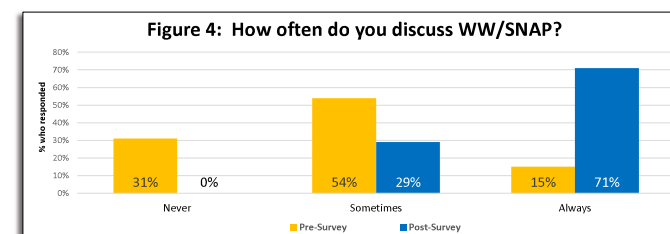
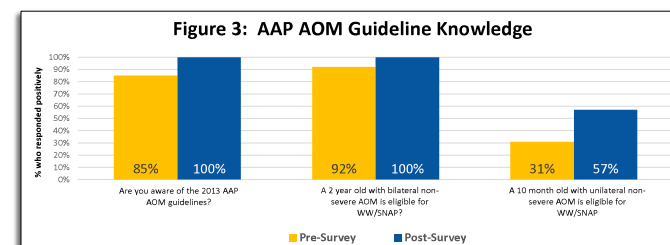
#### Parental acceptance:

Parental acceptance of offered WW/SNAP prescriptions is variable with the trend toward slightly over 50% (Figure 2).



#### Balancing:

Rate of return within 14 days of initial ED visit for AOM or TM perforation is unchanged from August 2018 and remains 0%. The use of WW/SNAP has no identifiable unintended effect to date.



### NEXT STEPS

We have successfully integrated an AOM WW/SNAP treatment strategy into an urban pediatric ED

#### Future plans:

- Add AOM prescription folders in the EMR with antibiotic durations consistent with the AAP AOM guideline
- Provide positive feedback to APPs recognizing WW/SNAP utilization
- Incorporate secondary aims related to antibiotic duration and treatment of otitis media with effusion based on the 2013 AAP AOM guidelines
- Extend WW/SNAP practice to higher acuity areas within our pediatric ED

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