

Children's Mercy Kansas City

SHARE @ Children's Mercy

Posters

10-2019

Making the Management of Acute Otitis Media a SNAP

Cassandra Newell

Children's Mercy Hospital, cfnewell@cmh.edu

Donna Wyly

Children's Mercy Hospital, drwyly@cmh.edu

Tanis Stewart

Children's Mercy Hospital, tstewart@cmh.edu

Alaina N. Burns

Children's Mercy Kansas City, anburns@cmh.edu

Brian R. Lee

Children's Mercy Hospital, blee@cmh.edu

See next page for additional authors

Follow this and additional works at: <https://scholarlyexchange.childrensmercy.org/posters>



Part of the [Emergency Medicine Commons](#), [Otorhinolaryngologic Diseases Commons](#), [Pediatric Nursing Commons](#), and the [Pediatrics Commons](#)

Recommended Citation

Newell, Cassandra; Wyly, Donna; Stewart, Tanis; Burns, Alaina N.; Lee, Brian R.; and El Feghaly, Rana, "Making the Management of Acute Otitis Media a SNAP" (2019). *Posters*. 139.

<https://scholarlyexchange.childrensmercy.org/posters/139>

This Book is brought to you for free and open access by SHARE @ Children's Mercy. It has been accepted for inclusion in Posters by an authorized administrator of SHARE @ Children's Mercy. For more information, please contact bpfannenstiel@cmh.edu.

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, CPNP¹; Donna Wylie MSN, RN, APRN, CPNP-AC, PPCNP-BC¹; Tanis Stewart MSN, RN, FNP-BC, CPN¹; Alaina Burns PharmD, BCPPS²; Brian Lee, MPH, PhD³; Rana El Feghaly MD, MSCI⁴
¹ Division of Emergency Medicine; ² Pharmacy; ³ Health Services & Outcomes Research; ⁴ 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).

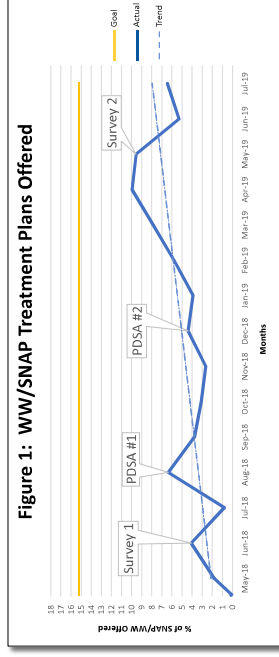


Figure 1: WW/SNAP Treatment Plans Offered

Parental acceptance:

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

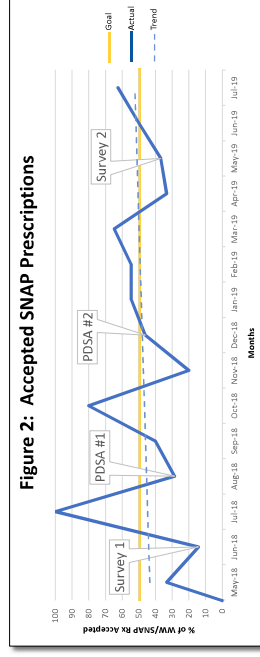


Figure 2: Accepted SNAP Prescriptions

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.

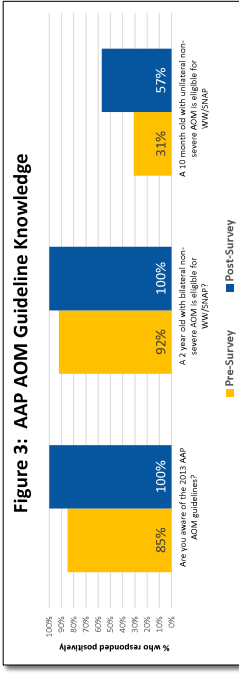


Figure 3: AAP AOM Guideline Knowledge

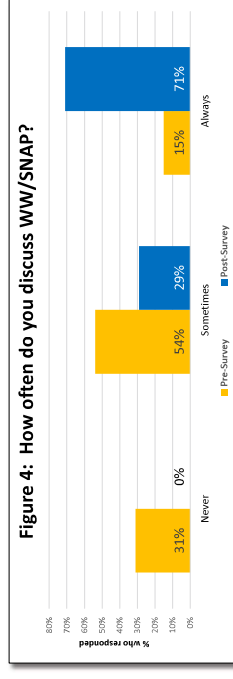


Figure 4: How often do you discuss WW/SNAP?

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

LOVE WILL.

UMKC
School of Medicine

Children's Mercy
KANSAS CITY

MAGNET
ACCREDITED
HOSPITAL