Provider Experience and Preferences Related to Antimicrobial Stewardship at Two Tertiary Children’s Hospitals

Kelly B Flett1, MD, MMSc, Jason Child1, PharmD, Sarah Jones1, PharmD, Sarah Parker2, MD, Thomas J Sandora2, MD, MPH
1Boston Children’s Hospital, Boston, MA, USA 2Children’s Hospital Colorado, Aurora, CO, USA

Background

• Antimicrobial stewardship programs are rapidly expanding in pediatric hospitals
• Programs must choose a strategy for educating and communicating with providers
• However, provider experience and preferences across multiple pediatric institutions are not well known
• The initiation or expansion of the Antimicrobial Stewardship Programs (ASP) at Boston Children’s Hospital and Children’s Hospital Colorado provided an opportunity to assess provider experience and preferences

Objectives

• To measure provider awareness of ASP at two tertiary children’s hospitals
• To evaluate provider attitudes and preferences toward stewardship interventions

Methods and Study Population

• As part of a Quality Improvement effort, confidential surveys were distributed at Boston Children’s Hospital (March 2015) and Children’s Hospital Colorado (Spring 2013)
• Survey questions were similar but not identical at each institution
• 408 respondents completed the survey
• Inpatient, Outpatient, and Emergency Department providers were represented
• At Boston Children’s, 74% of respondents cared for inpatient populations; at Children’s Colorado, 56% of respondents cared for inpatient populations
• A follow-up survey was distributed at Children’s Hospital Colorado in January 2015

Provider Awareness and Practice

Stewardship Approach

Provider Awareness and Practice

Follow-up Data (Colorado)

EDUCATIONAL PREFERENCES (BOSTON)

Conclusions

• Providers regularly see antimicrobial-resistant bacteria but many were unaware of the stewardship program(s)
• Most providers are receptive to ASP involvement in patient care and favor electronic-based interactions and a delayed audit and feedback approach
• Providers are most interested in education about antibiotic spectrum of activity and antibiotic resistance
• Stewardship programs should increase program awareness and solicit providers’ preferred methods of communication