A “Flipped Classroom” Model: Teaching Interns Clinical Guidelines

After completing residency, we as chiefs thought the largest hole in our training was knowledge and application of basic clinical practice guidelines. We discussed this issue with many of our colleagues who had recently graduated, and they equally expressed these concerns. On a national survey we conducted of pediatric residency training programs, only two indicated they had a formal curriculum for teaching the guidelines. We developed an innovative curriculum to teach the 10 core AAP guidelines to our interns (Acute Otitis Media, OSAS, and ADHD were formally studied). The guidelines were taught in out 30 min long morning report. Each intern in the group was given the guideline with the attached handout and key action statements assigned to each intern. They then read their key action statement section and taught the rest of the group working their way through the guidelines. After teaching their small groups about each of their assigned action statements, the entire group as a team worked through creating their own treatment algorithm or handout to apply the knowledge. We have attached our abstract demonstrating our results, but overall the interns who were randomized to receive the lessons all had statistically significant increases on their post-tests. The sessions were so popular among our interns that when our second and third year residents found out about them, they demanded being able to attend the sessions. We then repeated all 10 sessions for our entire program. Across our program we have seen not only our residents using and applying the guidelines to patients, but also the use of other evidence based guidelines in their patient care and documentation.