**Supplemental Tables**.

Supplemental Table 1. Practice Engagement, Ranked from Most-engaged to Least-engaged

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Practice** | **Count of Times Practice Accessed**  **Dashboarda** | **Count of Stewardship Toolkit Logins**  **per Practice** | **Count of Project-related Meetings** | **Count of Changes Related to Interventions** | **Participation in American Board of Pediatrics MOC 4 Credit** |
| **B** | 114 | 15 | 5 | 11 | Yes |
| **D** | 15 | 3 | 4 | 8 | Yes |
| **A** | 229 | 7 | 4 | 5 | Yes |
| **E** | 2 | 1 | 5 | 4 | First 6-months only |
| **C** | 26 | 12 | 4 | 3 | No |

aSome practices used dashboard for other reasons (vaccine monitoring, insurance)

Supplemental Table 2. Percent of Otitis Media and Streptococcal Pharyngitis Encounters with Guideline-Concordant Antibiotic Therapy, by Practice

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Variable**  (Median, IQR) (n encounters) | **Baseline** | **Pre-COVID Intervention** | **Post-COVID Intervention** | **Difference from baseline in medians pre-COVID** | **Difference from baseline in medians post-COVID** | ***p*-value** |
| **Otitis Media** | | | | | | |
| **Practice A** | 74.5  (70.8, 80.1)  (4,531) | 77.0  (80.9, 83.5)  (1,696) | 81.3  (75, 86.9)  (657) | + 2.5 | + 6.8 | <0.001 |
| **Practice B** | 76.6  (73.3, 81.4)  (6,015) | 89.3  (87.9, 91.0)  (2,317) | 91.6  (88.8, 100)  (603) | + 12.7 | + 15 | <0.001 |
| **Practice C** | 75.5  (72.1, 78.7)  (9,771) | 81.3  (80.4, 83.7)  (3,542) | 82.1  (79.4, 85.9)  (1,923) | + 5.8 | + 6.6 | <0.001 |
| **Practice D** | 57.1  (46.3, 73)  (1,466) | 82.54  (80.9, 87.2)  (757) | 87.5  (79.3, 100)  (281) | + 25.4 | + 30.4 | <0.001 |
| **Practice E** | 75.6  (70.2, 78.9)  (4,540) | 74.3  (71.4, 75.3)  (1,056) | 80  (72.2, 88.4)  (703) | -1.3 | + 4.4 | 0.002 |
| **Streptococcal pharyngitis** | | | | | | |
| **Practice A** | 77.4  (72.8, 85.7)  (1,411) | 88.7  (84.8, 92.3)  (709) | 85.7  (76.4, 100)  (257) | +11.3 | +8.3 | <0.001 |
| **Practice B** | 84.6  (78.7, 90.7)  (1,506) | 89.6  (87.6, 91.7)  (792) | 85.7  (73.2, 100)  (254) | +5 | +1.1 | 0.038 |
| **Practice C** | 62.1  (57.4, 66.9)  (7,523) | 67.6  (65.1, 70.4)  (3,538) | 71.8  (64, 77.8)  (2,790) | + 5.5 | + 9.7 | <0.001 |
| **Practice D** | 33.3  (25, 42.9)  (904) | 80  (75.9, 91.7)  (346) | 100  (75, 100)  (79) | + 46.7 | + 66.7 | <0.001 |
| **Practice E** | 75  (66.7, 82.1)  (1,456) | 78.9  (75, 81.4)  (379) | 80  (66.7, 100)  (203) | +3.9 | +5 | 0.56 |