**Supplemental Material**

**Supplemental Table 1.** Patients with the following concomitant ICD 10 codes where antibiotic therapy may be appropriate were excluded from analysis in this study

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| **ICD 10 Codes** | **Diagnosis** |
| H60.391 | Other infective otitis externa |
| H65.02 | Acute serous otitis media |
| H66.002 | Acute suppurative otitis media without spontaneous rupture of ear drum |
| I80.9 | Phlebitis and thrombophlebitis of unspecified site |
| J01.00 | Acute maxillary sinusitis |
| J01.10 | Acute frontal sinusitis |
| J01.11 | Acute recurrent frontal sinusitis |
| J01.30 | Acute sphenoidal sinusitis |
| J01.80 | Other acute sinusitis |
| J01.90 | Acute sinusitis, unspecified |
| J02.0 | Streptococcal pharyngitis |
| J02.9 | Acute pharyngitis |
| J15.9 | Unspecified bacterial pneumonia |
| J18.9 | Pneumonia |
| J32.9 | Chronic sinusitis |
| J40 | Bronchitis, not specified as acute or chronic |
| J43.8 | Other emphysema |
| J43.9 | Emphysema, unspecified |
| J44.9 | COPD |
| J47.9 | Bronchiectasis, unspecified |
| J84.0 | Interstitial pulmonary disease, unspecified |
| K04.7 | Periapical abscess without sinus |
| L02.91 | Cutaneous abscess |
| L03.311 | Cellulitis of abdominal wall |
| N39.0 | Urinary tract infection, site not specified |

**Supplemental Figure 1**: Distribution of intervention materials in clinics