**SUPPLEMENTARY MATERIALS**

Supplementary Table 1. Mixed-effects Poisson regression of completed *C.difficile* orders to assess interaction of facility with the study intervention

|  |  |  |
| --- | --- | --- |
| **Variable** | **Multivariable IRR (95% CI)** | **P-Value** |
| Intervention | 0.84 (0.79 – 0.89) | <0.001 |
| Facility HUP PPMC PAH CCH PMPH | 1 (reference)0.60 (0.42 – 0.85)0.58 (0.41 -0.81)0.83 (0.62-1.12)0.47 (0.31 -0.71) | 0.0040.0020.23<0.001 |
| Interaction (Intervention & Facility) |
|  HUP PPMC PAH CCH PMPH | 1 (reference)0.96 (0.84 – 1.10)1.10 (0.95 -1.26)0.85 (0.73 -0.89)0.78 (0.68 – 0.88) | 0.550.200.02<0.001 |

NOTE. HUP, Hospital of the University of Pennsylvania; PPMC, Penn Presbyterian Medical Center; PAH, Pennsylvania Hospital; CCH, Chester County Hospital; PMPH, Penn Medicine Princeton Health. Hospital unit included as a random effect. All other covariates included as fixed effects.

Supplementary Table 2. Mixed-effects Poisson regression of completed *C.difficile* orders limited to hospitals where patients are cohorted by service line (HUP, PPMC, PAH)

|  |  |  |
| --- | --- | --- |
| **Variable** | **Multivariable IRR (95% CI)** | **P-Value** |
| Intervention | 0.82 (0.75 – 0.90) | <0.001 |
| Service line Medicine Oncology Cardiovascular Surgery Women’s Health | 1 (reference)1.60 (1.03 -2.47)0.80 (0.53 – 1.21)0.63 (0.42 – 0.94)0.31 (0.11 – 0.88) | 0.0370.290.0240.028 |
| Interaction (Intervention & Service Line) |
|  Medicine Oncology Cardiovascular Surgery Women’s Health | 1 (reference)0.99 (0.84 – 1.17)1.05 (0.84 – 1.17)1.03 (0.91 -1.17)0.92 (0.84 -1.02) | 0.920.430.680.13 |

NOTE: Hospital unit included as a random effect. All other covariates included as fixed effects.

Supplementary Figure 1. *C.difficile* Testing Pathway



Supplementary Figure 2. Dynamic Order Panel A: Guidance for Recent *C.difficile* Testing



Supplementary Figure 3. Dynamic Order Panel B: Guidance for Recent Laxative Administration



Supplementary Figure 4. Dynamic Order Panel C: Guidance for Inadequate Stool Documentation



Supplementary Figure 5. Dynamic Order Panel: All Testing Criteria for Testing Fulfilled

