**Supplemental Online Content**

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**eTable 1. Interrupted Time Series Analysis of Mean Fluoroquinolone Electronic Prescription Duration**

|  |  |  |  |
| --- | --- | --- | --- |
| **All Settings** | | | |
| **Parameter** | **Estimate (95% Confidence Interval)** | **Standard Error** | **P value** |
| Baseline trend β1 | -0.0141 (-0.044, 0.0158) | 0.0153 | 0.3552 |
| Level change after intervention β2 | -0.1784 (-0.5092, 0.1523) | 0.1688 | 0.2904 |
| Trend change after intervention β3 | 0.0388 (-0.0035, 0.0811) | 0.0216 | 0.0721 |
| **Ambulatory Care** | | | |
| **Parameter** | **Estimate (95% Confidence Interval)** | **Standard Error** | **P value** |
| Baseline trend β1 | -0.0214 (-0.0564, 0.0137) | 0.0179 | 0.2324 |
| Level change after intervention β2 | -0.1457 (-0.5334, 0.2419) | 0.1978 | 0.4612 |
| Trend change after intervention β3 | **0.0518** (0.0022, 0.1013) | 0.0253 | 0.0406 |
| **Emergency Department** | | | |
| **Parameter** | **Estimate (95% Confidence Interval)** | **Standard Error** | **P value** |
| Baseline trend β1 | 0.0115 (-0.0194, 0.0424) | 0.0158 | 0.4671 |
| Level change after intervention β2 | -0.0262 (-0.3681, 0.3157) | 0.1744 | 0.8807 |
| Trend change after intervention β3 | -0.0234 (-0.0671, 0.0204) | 0.0223 | 0.2951 |
| **Inpatient** | | | |
| **Parameter** | **Estimate (95% Confidence Interval)** | **Standard Error** | **P value** |
| Baseline trend β1 | 0.0174 (-0.0473, 0.0821) | 0.033 | 0.5983 |
| Level change after intervention β2 | -0.4529 (0.3653, -1.1689) | 0.3653 | 0.215 |
| Trend change after intervention β3 | -0.0035 (-0.0951, 0.088) | 0.0467 | 0.9397 |

**Red** indicates a statistically significant increase in mean fluoroquinolone electronic prescription duration.

**eTable 2. Interrupted Time Series Analysis of Proportion of 5-day Fluoroquinolone Electronic Prescriptions**

|  |  |  |  |
| --- | --- | --- | --- |
| **All Settings** |  |  |  |
| **Parameter** | **Estimate (95% CI)** | **Standard Error** | **P value** |
| Baseline trend β1 | **0.2576** (0.1244, 0.3907) | 0.0679 | 0.0001 |
| Level change after intervention β2 | -0.9215 (-2.3940, 0.5511) | 0.7513 | 0.22 |
| Trend change after intervention β3 | **-0.2412** (-0.4295, -0.0529) | 0.0961 | 0.012 |
| **Ambulatory Care** |  |  |  |
| **Parameter** | **Estimate (95% CI)** | **Standard Error** | **P value** |
| Baseline trend β1 | **0.3267** (0.1517, 0.5017) | 0.0893 | 0.0003 |
| Level change after intervention β2 | -1.1522 (-3.0878, 0.7834) | 0.9873 | 0.2433 |
| Trend change after intervention β3 | **-0.2766** (-0.5241, -0.0291) | 0.1263 | 0.0285 |
| **Emergency Department** | | | |
| **Parameter** | **Estimate (95% CI)** | **Standard Error** | **P value** |
| Baseline trend β1 | -0.2375 (-0.6487, 0.1737) | 0.2098 | 0.2577 |
| Level change after intervention β2 | -0.0514 (-4.5995, 4.4967) | 2.3205 | 0.9823 |
| Trend change after intervention β3 | 0.4437 (-0.1378, 1.0252) | 0.2967 | 0.1348 |
| **Inpatient** | | | |
| **Parameter** | **Estimate (95% CI)** | **Standard Error** | **P value** |
| Baseline trend β1 | 0.1344 (-0.0943, 0.363) | 0.1167 | 0.2494 |
| Level change after intervention β2 | 0.4050 (-2.1243, 2.9342) | 1.2905 | 0.7537 |
| Trend change after intervention β3 | **-0.4084** (-0.7318, -0.085) | 0.1650 | 0.0133 |

**Green** indicates a statistically significant decrease in proportion of 5-day prescriptions. **Red** indicates a statistically significant increase in proportion of 5-day prescriptions.

**eTable 3.** **Interrupted Time Series Analysis of Proportion of 7-day Fluoroquinolone Electronic Prescriptions**

|  |  |  |  |
| --- | --- | --- | --- |
| **All Settings** | | | |
| **Parameter** | **Estimate (95% Confidence Interval)** | **Standard Error** | **P value** |
| Baseline trend β1 | 0.1532 (-0.0002, 0.3065) | 0.0782 | 0.0503 |
| Level change after intervention β2 | **1.8968** (0.2006, 3.5929) | 0.8654 | 0.0284 |
| Trend change after intervention β3 | -0.1852 (-0.402, 0.0317) | 0.1107 | 0.0942 |
| **Ambulatory Care** | | | |
| **Parameter** | **Estimate (95% Confidence Interval)** | **Standard Error** | **P value** |
| Baseline trend β1 | **0.2891** (0.1309, 0.4473) | 0.0807 | 0.0003 |
| Level change after intervention β2 | **1.9189** (0.169, 3.6689) | 0.8928 | 0.0316 |
| Trend change after intervention β3 | **-0.3071** (-0.5308, -0.0833) | 0.1142 | 0.0072 |
| **Emergency Department** | | | |
| **Parameter** | **Estimate (95% Confidence Interval)** | **Standard Error** | **P value** |
| Baseline trend β1 | 0.0707 (-0.5356, 0.6769) | 0.3093 | 0.8193 |
| Level change after intervention β2 | 1.1502 (-5.5551, 7.8554) | 3.4211 | 0.7367 |
| Trend change after intervention β3 | 0.0154 (-0.8419, 0.8728) | 0.4374 | 0.9718 |
| **Inpatient** | | | |
| **Parameter** | **Estimate (95% Confidence Interval)** | **Standard Error** | **P value** |
| Baseline trend β1 | -0.1407 (-0.3702, 0.0889) | 0.1171 | 0.2298 |
| Level change after intervention β2 | -0.2441 (-2.7832, 2.2949) | 1.2955 | 0.8505 |
| Trend change after intervention β3 | 0.1083 (-0.2163, 0.433) | 0.1656 | 0.5131 |

**Green** indicates a statistically significant decrease in proportion of 7-day prescriptions. **Red** indicates a statistically significant increase in proportion of 7-day prescriptions.

**eTable 4.** **Interrupted Time Series Analysis of Proportion of 10-day Fluoroquinolone Electronic Prescriptions**

|  |  |  |  |
| --- | --- | --- | --- |
| **All Settings** | | | |
| **Parameter** | **Estimate (95% Confidence Interval)** | **Standard Error** | **P value** |
| Baseline trend β1 | **-0.6087** (-0.8727, -0.3447) | 0.1347 | <0.0001 |
| Level change after intervention β2 | -2.3421 (-5.2618, 0.5776) | 1.4897 | 0.1159 |
| Trend change after intervention β3 | **0.5375** (0.1642, 0.9108) | 0.1905 | 0.0048 |
| **Ambulatory Care** | | | |
| **Parameter** | **Estimate (95% Confidence Interval)** | **Standard Error** | **P value** |
| Baseline trend β1 | **-0.7207** (-1.0363, -0.4050) | 0.1610 | <0.0001 |
| Level change after intervention β2 | -0.9972 (-4.4882, 2.4937) | 1.7811 | 0.5756 |
| Trend change after intervention β3 | **0.5906** (0.1442, 1.0369) | 0.2277 | 0.0095 |
| **Emergency Department** | | | |
| **Parameter** | **Estimate (95% Confidence Interval)** | **Standard Error** | **P value** |
| Baseline trend β1 | 0.2087 (-0.2869, 0.7043) | 0.2529 | 0.4092 |
| Level change after intervention β2 | -4.9884 (-10.4704, 0.4936) | 2.797 | 0.0745 |
| Trend change after intervention β3 | 0.0588 (-0.6422, 0.7597) | 0.3576 | 0.8694 |
| **Inpatient** | | | |
| **Parameter** | **Estimate (95% Confidence Interval)** | **Standard Error** | **P value** |
| Baseline trend β1 | **-0.2909** (-0.555, -0.0268) | 0.1347 | 0.0308 |
| Level change after intervention β2 | **-8.4312** (-11.3521, -5.5103) | 1.4903 | <0.0001 |
| Trend change after intervention β3 | 0.36 (-0.0135, 0.7335) | 0.1906 | 0.0588 |

**Green** indicates a statistically significant decrease in proportion of 7-day prescriptions. **Red** indicates a significant increase in proportion of 10-day prescriptions.

**eTable 5. Interrupted Time Series Analysis of Proportion of 14-day Fluoroquinolone Electronic Prescriptions**

|  |  |  |  |
| --- | --- | --- | --- |
| **All Settings** | | | |
| **Parameter** | **Estimate (95% CI)** | **Standard Error** | **P value** |
| Baseline trend β1 | 0.0194 (-0.0371, 0.0758) | 0.0288 | 0.5013 |
| Level change after intervention β2 | 0.5305 (-0.0938, 1.1548) | 0.3185 | 0.0958 |
| Trend change after intervention β3 | -0.0032 (-0.083, 0.0766) | 0.0407 | 0.9373 |
| **Ambulatory Care** | | | |
| **Parameter** | **Estimate (95% CI)** | **Standard Error** | **P value** |
| Baseline trend β1 | -0.0062 (-0.0673, 0.055) | 0.0312 | 0.843 |
| Level change after intervention β2 | **0.7679** (0.0917, 1.4442) | 0.345 | 0.026 |
| Trend change after intervention β3 | 0.0219 (-0.0645, 0.1084) | 0.0441 | 0.6191 |
| **Emergency Department** | | | |
| **Parameter** | **Estimate (95% CI)** | **Standard Error** | **P value** |
| Baseline trend β1 | 0.0186 (-0.1695, 0.2066) | 0.0959 | 0.8466 |
| Level change after intervention β2 | 1.6718 (-0.4077, 3.7514) | 1.061 | 0.1151 |
| Trend change after intervention β3 | -0.2558 (-0.5217, 0.0101) | 0.1357 | 0.0593 |
| **Inpatient** | | | |
| **Parameter** | **Estimate (95% CI)** | **Standard Error** | **P value** |
| Baseline trend β1 | 0.1336 (-0.0832, 0.3504) | 0.1106 | 0.2273 |
| Level change after intervention β2 | -1.0959 (-3.4938, 1.3020) | 1.2234 | 0.3704 |
| Trend change after intervention β3 | -0.0017 (-0.3083, 0.3049) | 0.1564 | 0.9916 |

**Red** indicates a statistically significant increase in proportion of 14-day prescriptions.

**eFigure 1. Interrupted Time Series Analysis of Proportions of 5-, 7-, 10-, 14-day Fluoroquinolone Electronic Prescriptions**