*Table 1a: Results from weekly wildfire PM2.5 analyses. Significant results are highlighted in yellow.*

| **Risk ratios for 10increase in wildfire PM2.5** | **lag 0 weeks** | **lag 1 week** | **lag 2 weeks** |
| --- | --- | --- | --- |
| All-cause outpatient | 1.10 [1.04, 1.17] | 1.04 [1.00, 1.09] | 1.05 [1.02, 1.09] |
| All-cause inpatient | 1.01 [0.84, 1.20] | 1.08 [0.94, 1.23] | 0.99 [0.85, 1.15] |
| All-cause ED | 1.03 [0.90, 1.19] | 0.99 [0.88, 1.11] | 1.02 [0.92, 1.14] |
| Inpatient: cardiorespiratory concerns | 0.94 [0.78, 1.12] | 1.10 [0.96, 1.27] | 0.98 [0.85, 1.15] |
| ED: cardiorespiratory concerns | 1.07 [0.92, 1.26] | 0.96 [0.84, 1.10] | 1.02 [0.91, 1.15] |

*Table 1b: Results from daily wildfire PM2.5 analyses. Significant results are highlighted in yellow.*

| **Risk ratios for 10increase in wildfire PM2.5** | **lag 0 days** | **lag 1 day** | **lag 2 days** | **lag 3 days** | **lag 4 days** | **lag 5 days** | **lag 6 days** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| All-cause outpatient | 0.98 [0.96, 1.01] | 0.96 [0.94, 0.99] | 1.03 [1, 1.06] | 1.08 [1.05, 1.11] | 0.98 [0.95, 1.02] | 1.07 [1.04, 1.1] | 1.12 [1.09, 1.16] |
| All-cause inpatient | 0.94 [0.84, 1.04] | 1.01 [0.93, 1.1] | 0.95 [0.84, 1.08] | 0.87 [0.76, 1] | 0.98 [0.87, 1.12] | 0.93 [0.81, 1.06] | 1.02 [0.89, 1.16] |
| All-cause ED | 0.97 [0.91, 1.04] | 1.02 [0.96, 1.08] | 0.98 [0.89, 1.07] | 0.96 [0.88, 1.06] | 0.95 [0.86, 1.04] | 1.03 [0.93, 1.13] | 0.92 [0.82, 1.02] |
| Inpatient: cardiorespiratory concerns | 0.91 [0.81, 1.02] | 1.03 [0.95, 1.12] | 0.93 [0.82, 1.07] | 0.91 [0.79, 1.05] | 0.97 [0.85, 1.1] | 0.91 [0.79, 1.05] | 0.99 [0.86, 1.14] |
| ED: cardiorespiratory concerns | 0.99 [0.92, 1.07] | 0.99 [0.91, 1.08] | 0.96 [0.87, 1.07] | 0.99 [0.89, 1.1] | 0.92 [0.83, 1.03] | 1.01 [0.91, 1.13] | 0.89 [0.79, 1.01] |

*Table 2a: Results from Woolsey Fire wildfire and evacuation difference in differences analyses. Significant relationships are highlighted in yellow.*

|  |  |  |
| --- | --- | --- |
| **Woolsey Fire** | **Risk ratio for exposure to evacuation during fire for DID estimator, [95% confidence interval]** | **Risk ratio for exposure to fire during fire (DID estimator), [95% confidence interval]** |
| All-cause outpatient | 0.86 [0.72, 1.02] | 0.88 [0.78, 0.98] |
| All-cause inpatient | 1.50 [0.89, 2.54] | 1.36 [0.95, 1.94] |
| All-cause ED | 1.22 [0.81, 1.84] | 1.18 [0.89, 1.55] |
| Inpatient: cardiorespiratory concerns | 1.68 [0.99, 2.87] | 1.46 [1.01, 2.11] |
| ED: cardiorespiratory concerns | 1.18 [0.76, 1.85] | 1.13 [0.84, 1.53] |

*Table 2b: Results from Getty Fire wildfire and evacuation difference in differences analyses. Significant relationships are highlighted in yellow.*

|  |  |  |
| --- | --- | --- |
| Getty Fire | **Risk ratio for exposure to evacuation during fire for DID estimator, [95% confidence interval]** | **Risk ratio for exposure to fire during fire (DID estimator), [95% confidence interval]** |
| All-cause outpatient | 0.85 [0.67, 1.08] | 0.97 [0.88, 1.07] |
| All-cause inpatient | 0.17 [0.02, 1.36] | 0.77 [0.51, 1.17] |
| All-cause ED | 0.61 [0.29, 1.32] | 0.90 [0.69, 1.17] |
| Inpatient: cardiorespiratory concerns | 0.18 [0.02, 1.50] | 0.81 [0.53, 1.24] |
| ED: cardiorespiratory concerns | 0.60 [0.25, 1.44] | 0.85 [0.63, 1.14] |

*Diagram

Description automatically generatedFigure 1*

*Figure 2a: Daily mean non-wildfire PM2.5 concentrations by study area county from January 2016 – March 2020.*

*Measurements are in . Dotted lines represent the USEPA recommended 35 daily limit. Coloured time*

*periods represent measurements made while a wildfire was burning.*



*Figure 2b: Daily mean wildfire PM2.5 concentrations by study area county from January 2016 – March 2020.*

*Measurements are in . Dotted lines represent the USEPA recommended 35 daily limit. Coloured time periods represent measurements made while a wildfire was burning.*

*Figure 3: Results from Getty Fire wildfire and evacuation difference in differences analyses.*



