|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Risk ratios for 10increase in wildfire PM2.5** | **PM2.5 lag 0** | **PM2.5 lag 1** | **PM2.5 lag 2** | **PM2.5 lag 3** | **PM2.5 lag 4** | **PM2.5 lag 5** | **PM2.5 lag 6** |
| All-cause outpatient RR | 0.99 | 0.96 | 0.92 | 0.96 | 0.87 | 0.94 | 0.97 |
| All-cause outpatient 95% CI | 0.97, 1.01 | 0.94, 0.99 | 0.90, 0.95 | 0.94, 0.99 | 0.85, 0.90 | 0.92, 0.97 | 0.95, 0.998 |
| All-cause emergency RR | 0.97 | 1.02 | 0.98 | 0.99 | 0.95 | 1.04 | 0.92 |
| All-cause emergency 95% CI | 0.90, 1.04 | 0.96, 1.08 | 0.90, 1.07 | 0.90, 1.08 | 0.87, 1.04 | 0.95, 1.14 | 0.84, 1.01 |
| All-cause inpatient RR | 0.93 | 1.02 | 0.96 | 0.86 | 0.97 | 0.91 | 1.04 |
| All-cause inpatient 95% CI | 0.84, 1.03 | 0.95, 1.11 | 0.85, 1.09 | 0.75, 0.98 | 0.86, 1.10 | 0.80, 1.04 | 0.93,1.16 |
| Emergency cardiorespiratory RR | 0.99 | 0.99 | 0.96 | 1 | 0.92 | 1.01 | 0.88 |
| Emergency cardiorespiratory 95% CI | 0.92, 1.07 | 0.91, 1.07 | 0.87, 1.06 | 0.91, 1.11 | 0.83, 1.02 | 0.91, 1.12 | 0.80, 0.98 |
| Inpatient cardiorespiratory RR | 0.9 | 1.04 | 0.95 | 0.9 | 0.98 | 0.9 | 1.03 |
| Inpatient cardiorespiratory 95% CI | 0.81, 1.01 | 0.96, 1.12 | 0.84, 1.08 | 0.79, 1.03 | 0.86, 1.12 | 0.79, 1.03 | 0.91, 1.16 |

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

*Table 1b: Results from proximity to wildfire difference in differences analyses. Significant relationships are highlighted in orange.*

|  |  |  |
| --- | --- | --- |
| **Getty Fire** | **Risk ratio for exposure to fire during fire (DID estimator)** | **95% CI** |
| All-cause outpatient visits | 0.97 | 0.88, 1.07 |
| All-cause emergency visits | 0.90 | 0.69, 1.17 |
| All-cause inpatient visits | 0.77 | 0.50, 1.17 |
| Emergency visits for cardiorespiratory concerns | 0.84 | 0.62, 1.14 |
| Inpatient visits for cardiorespiratory concerns | 0.80 | 0.52, 1.24 |
|  |  |  |
| **Woolsey Fire** |  |  |
| All-cause outpatient visits | 0.87 | 0.78, 0.98 |
| All-cause emergency visits | 1.17 | 0.89, 1.55 |
| All- cause inpatient visits | 1.35 | 0.94, 1.94 |
| Emergency visits for cardiorespiratory concerns | 1.13 | 0.83, 1.52 |
| Inpatient visits for cardiorespiratory concerns | 1.45 | 1.01, 2.11 |

*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.*

