Supplemental Digital Content 2. Longitudinal analysis of inpatient days and ED presentations per year around cardinal events.

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|  | **Condition** | **Year -6** | | **Year-4** | | **Year -2** | | **Year +2** | | **Year +4** | |
|  | **n** | **Utilisation**  **(95% CI)** | **n** | **Utilisation (95% CI)** | **n** | **Utilisation (95% CI)** | **n** | **Utilisation (95% CI)** | **n** | **Utilisation (95% CI)** |
| **Inpatient**  **days per year** | *Heart failure* | 2100 | 4.92  (4.34-5.56) | 6303 | 4.87  (4.61-5.15) | 10399 | 6.80  (6.54-7.06) | 3503 | 13.74  (12.93-14.61) | 854 | 15.30  (13.26-17.39) |
| *Type 2 Diabetes* | 2006 | 4.07  (3.49-4.68) | 5435 | 4.46  (4.19-4.72) | 8334 | 5.61  (5.33-5.89) | 3534 | 9.86  (9.16-10.58) | 862 | 15.59  (13.60-17.79) |
| *COPD* | 1911 | 3.84  (3.29-4.42) | 5225 | 4.87  (4.61-5.13) | 8872 | 5.98  (5.72-6.25) | 3726 | 11.69  (10.99-12.42) | 1063 | 14.27  (12.50-16.22) |
| *Cataract with diabetes* | 2296 | 2.02  (1.69-2.37) | 5944 | 2.34  (2.18-2.51) | 9175 | 3.42  (3.23-3.63) | 4596 | 6.09  (5.68-6.51) | 1223 | 7.09  (5.93-8.30) |
| *Asthma* | 1750 | 0.81  (0.59-1.04) | 5427 | 1.54  (1.41-1.61) | 9775 | 1.90  (1.77-2.03) | 6056 | 2.02  (1.80-2.27) | 2035 | 1.67  (1.25-2.14) |
| *Dialysis* | 197 | 6.55  (4.35-9.17) | 551 | 4.40  (3.58-5.30) | 888 | 6.52  (5.76-7.37) | 361 | 93.55  (86.36-100.69) | 77 | 87.12  (70.25-103.99) |
| **ED presentations**  **per year** | *Heart failure* | 2100 | 0.50  (0.44-0.58 | 6303 | 0.53  (0.51-0.56) | 10399 | 0.71  (0.68-0.75) | 3503 | 1.44  (1.32-1.59) | 854 | 1.40  (1.19-1.68) |
| *Type 2 Diabetes* | 2006 | 0.49  (0.42-0.56) | 5435 | 0.52  (0.49-0.55) | 8334 | 0.67  (0.64-0.70) | 3534 | 1.07  (1.00-1.13) | 862 | 1.24  (1.09-1.39) |
| *COPD* | 1911 | 0.54  (0.46-0.63) | 5225 | 0.67  (0.62-0.73) | 8872 | 0.81  (0.75-0.87) | 3726 | 1.48  (1.39-1.58) | 1063 | 1.38  (1.22-1.53) |
| *Cataract with diabetes* | 2296 | 0.24  (0.20-0.28) | 5944 | 0.28  (0.26-0.30) | 9175 | 0.38  (0.36-0.42) | 4596 | 0.62  (0.59-0.65) | 1223 | 0.64  (0.56-0.71) |
| *Asthma* | 1750 | 0.45  (0.40-0.51) | 5427 | 0.56  (0.53-0.59) | 9775 | 0.77  (0.74-0.80) | 6056 | 0.97  (0.92-1.01) | 2035 | 0.79  (0.71-0.87) |
| *Dialysis* | 197 | 0.55  (0.39-0.72) | 551 | 0.55  (0.46-0.65) | 888 | 0.86  (0.75-0.98) | 361 | 1.95  (1.73-2.18) | 77 | 1.39  (0.94-1.87) |

Shown are the values (mean and 95% confidence interval) of inpatient days per year and emergency department presentations per year at six years, four years, and two years prior to the cardinal event; and at two years and four years after the cardinal event. The number of cardinal events eligible for analysis at these time points is indicated by n.