Supplement Table 2. Overall incidence of hepatic failure, renal failure, respiratory failure, and heart failure (per 1000 person–years) and estimated HRs in ACO patients taking statins compared with ACO patients without statins using a time-dependent regression model by propensity scores matched.

|  |  |  |
| --- | --- | --- |
|  | **Statin** | |
| **Variables** | **No(N=1196)** | **Yes(N=1196)** |
| **Hepatic failure** |  |  |
| Person-years | 7993 | 9348 |
| Event, n | 138 | 82 |
| Rate | 17.3 | 8.77 |
| cHR (95% CI) | 1(Reference) | 0.52(0.40, 0.68)\*\*\* |
| aHR (95% CI)a | 1(Reference) | 0.51(0.38, 0.66)\*\*\* |
| **Renal failure** |  |  |
| Person-years | 8297 | 71 |
| Event, n | 133 | 9528 |
| Rate | 16.0 | 7.45 |
| cHR (95% CI) | 1(Reference) | 0.46(0.35, 0.62)\*\*\* |
| aHR (95% CI)a | 1(Reference) | 0.45(0.34, 0.61)\*\*\* |
| **Respiratory failure** |  |  |
| Person-years | 8825 | 9726 |
| Event, n | 4 | 3 |
| Rate | 0.45 | 0.31 |
| cHR (95% CI) | 1(Reference) | 0.69(0.15, 3.08) |
| aHR (95% CI)a | 1(Reference) | 0.84(0.19, 3.85) |
| **Heart failure** |  |  |
| Person-years | 8091 | 9480 |
| Event, n | 145 | 75 |
| Rate | 17.9 | 7.91 |
| cHR (95% CI) | 1(Reference) | 0.45(0.34, 0.59)\*\*\* |
| aHR (95% CI)a | 1(Reference) | 0.46(0.34, 0.61)\*\*\* |

aAdjusted for age; sex; comorbidity of sleep disorder, diabetes, hypertension, hyperlipidemia, CAD, stroke, hepatitis B, hepatitis C; and ICS and OS.

Abbreviations: HD, cHR: crude hazard ratio; aHR: adjusted hazard ratio; ICS: inhaled corticosteroids; OS: oral steroids.

\*P < 0.05, \*\*\*P < 0.001