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| --- | --- | --- | --- | --- | --- | --- |
| **Supplementary table 1.** Association between Different Classes of HAART and the Risk of Incident Heart Failure among PLWHA | | | | | | |
| **Characteristic** | **Number of patients** | **Incident HF** | **Follow-up years** | **IDa (95% CI)** | **Univariate analysis** | **Multivariate analysisb** |
| **HR (95% CI)** | **AHR (95% CI)** |
| NRTI |  |  |  |  |  |  |
| No | 6816 | 75 | 69166.38 | 108.43 (85.29-135.92) | 1 | 1 |
| Yes | 17337 | 117 | 71655.31 | 163.28 (135.04-195.69) | 1.70 (1.25-2.30)\*\*\* | 1.16 (0.62-2.20) |
| NNRTI |  |  |  |  |  |  |
| No | 10520 | 106 | 88120.21 | 120.29 (98.48-145.49) | 1 | 1 |
| Yes | 13633 | 86 | 52701.48 | 163.18 (130.53-201.53) | 1.58 (1.17-2.12)\*\* | 1.20 (0.74-1.94) |
| Protease inhibitor |  |  |  |  |  |  |
| No | 15300 | 126 | 95298.95 | 132.22 (110.14-157.42) | 1 | 1 |
| Yes | 8853 | 66 | 45522.74 | 144.98 (112.13-184.45) | 1.33 (0.98-1.81) | 1.07 (0.69-1.64) |
| Integrase inhibitor |  |  |  |  |  |  |
| No | 22800 | 189 | 136395.05 | 138.57 (119.52-159.79) | 1 | 1 |
| Yes | 1353 | 3 | 4426.64 | 67.77 (13.98-198.06) | 1.20 (0.38-3.81) | 0.88 (0.27-2.92) |
| \*<.05; \*\*<.01; \*\*\*<.001 | | | | | | |
| aevents per 100,000 person-years. | | | | | | |
| badjusting for age, sex, comorbidities, and opportunistic infections after HIV diagnosis. | | | | | | |
| PLWHA, people living with HIV/AIDS; HF, heart failure; ID, incidence density; AHR, adjusted hazard ratio; CI, confident interval; NRTI, nucleoside reverse transcriptase inhibitor, NNRTI, non-nucleoside reverse transcriptase inhibitors. | | | | | | |

24,153 PLWHA were included

25,061 PLWHA reported in Taiwan, 2003-2014

Excluded (*n* = 975)

* Age < 15 years (*n* = 33)
* Antecedent heart failure (*n* = 324)
* HIV patients with incomplete data (*n* = 551)

96,612 control subjects, matched for age, sex,

and date of enrollment

Follow-up (2003–2014):

564,529 person-years

449 (0.46%) control subjects developed heart failure

Follow-up (2003–2014):

140,822 person-years

192 (0.79%) PLWHA developed heart failure

**FIGURE S1.** Process of enrollment and follow-up among patients with and without HIV, 2003-2014.

Abbreviations: PLWHA, people living with HIV/AIDS; HIV, human immunodeficiency virus.

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**FIGURE S2.** Sensitivity analysis of the associations between HIV infection and heart failure in patient subgroups, after adjustment for patient demographics and comorbidities. Abbreviations: AHR, adjusted hazard ratio; CI, confidence interval; CKD, chronic kidney disease; HTN, hypertension; CVD, cerebral vascular disease; HCV, hepatitis C virus.