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| Table J-31. Studies evaluating independent predictive value of BNP for the outcome of composite of all-cause mortality and all-cause morbidity in patients with stable heart failure | | | | | | | | |
| **Author**  **Year** | **Study Design**  **Population** | **n**  **Mean Age (SD)**  **% male** | **BNP Levels (pg/mL)** | **Prognostic Markers** | **Followup**  **Outcomes**  **(#events, #risk)** | **Model** | **Adjusted/Non-**  **adjusted**  **Covariates** | **Measure(s) of**  **Risk**  **(95% CI,)** |
| Bermingham87  2011 | Cohort  Non-acute HF patients attending disease management program | n=1,294  mean age:  70.6y(11.5)  64.0% male | ADM mean:  326(138-680)\*\*  D/C mean: NR  Cutpoint: NR | lnBNP, beta2-agonist, age, diastolic BP, smoking status, MI and angina, beta-blocker use, anti-platelet use | 33m  Composite (all-cause hospitalization & mortality)  (653, 1,294) | Multivariable cox proportional hazard regression | beta2-agonist, age, diastolic BP, smoking status, MI and angina, beta-blocker use, anti-platelet use | HR=1.28  (1.17-1.41) |

**Abbreviations:** BNP=B-type natriuretic peptide; BP=blood pressure; 95% CI,=confidence interval; HR=hazard ratio; ln=natural log; MI=myocardial infarction; n=number; pg/mL=picograms per milliliter; SD=standard deviation; y=year(s)