|  |  |  |  |
| --- | --- | --- | --- |
|  | Train | Test | Whole |
|  | SHR(95%CI) | P value | SHR(95%CI) | P value | SHR(95%CI) | P value |
| Mets subdivision |  |  |  |  |  |
| MA | Ref |  | Ref |  | Ref |  |
| MB | 1.097(0.998-1.206) | 0.05 | 1.145(1.04-1.261) | 0.006 | 1.126(1.053-1.205) | < 0.001 |
| MC | 1.392(1.232-1.573) | < 0.001 | 1.534(1.363-1.725) | < 0.001 | 1.46(1.339-1.592) | < 0.001 |
| Age |  |  |  |  |  |  |
| <=74 | Ref |  | Ref |  | Ref |  |
| >74 | 1.06(0.974-1.153) | 0.18 | 1.119(1.03-1.216) | 0.008 | 1.092(1.029-1.159) | 0.004 |
| Race |  |  |  |  |  |  |
| Black | Ref |  | Ref |  | Ref |  |
| White | 1.009(0.874-1.166) | 0.9 | 1.01(0.869-1.172) | 0.9 | 1.008(0.909-1.118) | 0.88 |
| Others | 0.839(0.694-1.014) | 0.069 | 0.91(0.758-1.093) | 0.31 | 0.886(0.777-1.01) | 0.071 |
| Sex |  |  |  |  |  |  |
| Male | Ref |  | Ref |  | Ref |  |
| Female | 0.943(0.868-1.024) | 0.16 | 0.919(0.847-0.997) | 0.043 | 0.937(0.884-0.994) | 0.03 |
| AJCC.T |  |  |  |  |  |  |
| T1 | Ref |  | Ref |  | Ref |  |
| T2 | 1.184(1.021-1.373) | 0.026 | 1.121(0.971-1.294) | 0.12 | 1.144(1.031-1.269) | 0.011 |
| T3 | 1.261(1.077-1.475) | 0.004 | 1.28(1.101-1.487) | 0.001 | 1.261(1.13-1.407) | < 0.001 |
| T4 | 1.242(1.068-1.443) | 0.005 | 1.23(1.065-1.422) | 0.005 | 1.232 (1.109-1.368) | < 0.001 |
| Tx | 1.212(1.014-1.449) | 0.035 | 1.088(0.908-1.304) | 0.36 | 1.153(1.016-1.309) | 0.027 |
| AJCC.N |  |  |  |  |  |  |
| N0 | Ref |  | Ref |  | Ref |  |
| N1 | 0.869(0.725-1.041) | 0.13 | 1.096(0.944-1.273) | 0.23 | 0.979(0.87-1.102) | 0.73 |
| N2 | 1.146(1.029-1.277) | 0.013 | 1.195(1.074-1.331) | 0.001 | 1.162(1.077-1.254) | < 0.001 |
| N3 | 1.222(1.067-1.399) | 0.004 | 1.193(1.043-1.365) | 0.01 | 1.201(1.092-1.321) | < 0.001 |
| Nx | 0.944(0.772-1.154) | 0.57 | 0.993(0.811-1.217) | 0.95 | 0.962(0.833-1.11) | 0.59 |
| Chemoradiotherapy |  |  |  |  |  |
| None | Ref |  | Ref |  | Ref |  |
| Radiation | 0.896(0.78-1.03) | 0.12 | 0.931(0.814-1.065) | 0.3 | 0.918(0.833-1.011) | 0.083 |
| Chetherapy | 0.462(0.386-0.554) | < 0.001 | 0.449(0.377-0.534) | < 0.001 | 0.463(0.408-0.524) | < 0.001 |
| Both | 0.502(0.439-0.574) | < 0.001 | 0.5(0.44-0.569) | < 0.001 | 0.509(0.464-0.558) | < 0.001 |
| Histology |  |  |  |  |  |
| AC | Ref |  | Ref |  | Ref |  |
| SSC | 0.987(0.88-1.106) | 0.82 | 1.194(1.063-1.341) | 0.003 | 1.239(1.14-1.346) | < 0.001 |
| NSCLC  | 1.191(1.052-1.348) | 0.006 | 0.916(0.795-1.055) | 0.22 | 1.068(0.972-1.174) | 0.17 |

Abbreviations: AC, adenocarcinoma; SSC, squamous carcinoma; NSCLC , non-small cell lung carcinoma, nothing otherwise special.