**Suppl 6.** Fine-Gray subdistribution and cause-specific hazard ratios and 95% confidence intervals for heart- and gastric cancer-associated mortalities among patients with non-metastatic gastric adenocarcinoma undergoing *resection*, who were diagnosed before 2012 with follow-up time restricted to 5 years1

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Subdistribution hazard ratios** |  | **Cause-specific hazard ratios** |
|  | **Heart diseases** | ***P*** | ***Ptrend*** | **Gastric cancer** | ***P*** | ***Ptrend*** |  | **Heart diseases** | ***P*** | ***Ptrend*** | **Gastric cancer** | ***P*** | ***Ptrend*** |
| **Period of diagnosis** | Reference: 2010-2016 |
| 2004-2009 | 1.64 (1.31-2.05) | **< 0.001** |  | 1.11 (1.05-1.19) | **0.001** |  |  | 1.69 (1.35-2.12) | **< 0.001** |  | 1.14 (1.07-1.21) | **< 0.001** |  |
| **Sex** | Reference: Male |
| Female | 0.88 (0.74-1.04) | 0.127 |  | 1.00 (0.95-1.06) | 0.972 |  |  | 0.83 (0.70-0.99) | **0.039** |  | 0.98 (0.93-1.04) | 0.469 |  |
| **Age group** | Reference: 60-69 years |
| < 50 years | 0.30 (0.16-0.57) | **< 0.001** | **< 0.001** | 0.89 (0.82-0.97) | **0.010** | **< 0.001** |  | 0.28 (0.15-0.52) | **< 0.001** | **< 0.001** | 0.84 (0.77-0.92) | **0.001** | **< 0.001** |
| 50-59 years | 0.66 (0.46-0.97) | **0.032** |  | 0.93 (0.86-1.01) | 0.069 |  |  | 0.62 (0.43-0.91) | **0.014** |  | 0.91 (0.84-0.98) | **0.016** |  |
| 70-79 years | 2.11 (1.64-2.71) | **< 0.001** |  | 1.22 (1.14-1.31) | **< 0.001** |  |  | 2.40 (1.89-3.09) | **< 0.001** |  | 1.33 (1.24-1.43) | **< 0.001** |  |
| ≥ 80 years | 4.38 (3.43-5.59) | **< 0.001** |  | 1.45 (1.33-1.59) | **< 0.001** |  |  | 5.91 (4.60-7.60) | **< 0.001** |  | 1.72 (1.59-1.87) | **< 0.001** |  |
| **Ethnicity** | Reference: White |
| Black | 1.20 (0.95-1.53) | 0.131 | **< 0.001** | 1.01 (0.93-1.10) | 0.868 | **< 0.001** |  | 1.29 (1.01-1.65) | **0.043** | **0.001** | 1.06 (0.97-1.14) | 0.120 | **< 0.001** |
| American Indian/Alaska Native | 1.59 (0.69-3.65) | 0.272 |  | 1.14 (0.83-1.56) | 0.425 |  |  | 1.83 (0.82-4.12) | 0.143 |  | 1.30 (0.99-1.70) | 0.059 |  |
| Asian/Pacific Islander | 0.78 (0.63-0.97) | **0.025** |  | 0.80 (0.75-0.86) | **< 0.001** |  |  | 0.70 (0.56-0.88) | **0.002** |  | 0.76 (0.71-0.82) | **< 0.001** |  |
| **Tumor location** | Reference: Gastric cardia |
| Gastric fundus/body | 1.25 (0.92-1.69) | 0.150 | 0.056 | 0.70 (0.64-0.77) | **< 0.001** | **< 0.001** |  | 1.17 (0.86-1.59) | 0.313 | 0.297 | 0.70 (0.64-0.77) | **< 0.001** | **< 0.001** |
| Gastric antrum/pylorus | 1.41 (1.10-1.79) | **0.006** |  | 0.73 (0.67-0.78) | **< 0.001** |  |  | 1.29 (1.00-1.66) | 0.052 |  | 0.71 (0.66-0.77) | **< 0.001** |  |
| Other2 | 1.27 (0.99-1.63) | 0.059 |  | 0.73 (0.68-0.78) | **< 0.001** |  |  | 1.18 (0.92-1.52) | 0.195 |  | 0.72 (0.67-0.77) | **< 0.001** |  |
| **Tumor local invasion** | Reference: Muscularis propria/subserosa |
| Lamina propria/submucosa | 1.09 (0.90-1.33) | 0.354 | **0.013** | 0.46 (0.42-0.51) | **< 0.001** | **< 0.001** |  | 0.98 (0.80-1.19) | 0.808 | 0.379 | 0.45 (0.41-0.50) | **< 0.001** | **< 0.001** |
| Serosa | 0.66 (0.49-0.88) | **0.004** |  | 1.40 (1.32-1.49) | **< 0.001** |  |  | 0.81 (0.61-1.08) | 0.153 |  | 1.45 (1.37-1.55) | **< 0.001** |  |
| Adjacent structures | 0.80 (0.53-1.22) | 0.298 |  | 1.83 (1.66-2.01) | **< 0.001** |  |  | 1.19 (0.78-1.81) | 0.426 |  | 1.94 (1.78-2.13) | **< 0.001** |  |
| **Positive lymph node count** | Reference: 0 |
| 1-2 | 0.82 (0.65-1.05) | 0.112 | **0.038** | 1.63 (1.51-1.77) | **< 0.001** | **< 0.001** |  | 0.92 (0.72-1.18) | 0.518 | 0.660 | 1.67 (1.54-1.81) | **< 0.001** | **< 0.001** |
| 3-6 | 0.73 (0.56-0.97) | **0.028** |  | 2.05 (1.90-2.22) | **< 0.001** |  |  | 0.93 (0.70-1.22) | 0.595 |  | 2.15 (1.99-2.33) | **< 0.001** |  |
| 7-15 | 0.72 (0.52-1.01) | 0.053 |  | 2.75 (2.54-2.99) | **< 0.001** |  |  | 1.18 (0.85-1.64) | 0.323 |  | 3.00 (2.77-3.26) | **< 0.001** |  |
| ≥ 16 | 0.56 (0.31-0.99) | **0.044** |  | 3.75 (3.37-4.18) | **< 0.001** |  |  | 1.16 (0.65-2.06) | 0.618 |  | 4.28 (3.86-4.76) | **< 0.001** |  |
| **Differentiation** | Reference: Poor/undifferentiated |
| Well | 1.18 (0.88-1.58) | 0.274 | 0.463 | 0.66 (0.59-0.77) | **< 0.001** | **< 0.001** |  | 1.07 (0.79-1.45) | 0.656 | 0.878 | 0.64 (0.54-0.76) | **< 0.001** | **< 0.001** |
| Intermediate | 1.08 (0.91-1.29) | 0.372 |  | 0.76 (0.71-0.81) | **< 0.001** |  |  | 0.99 (0.83-1.19) | 0.915 |  | 0.74 (0.69-0.79) | **< 0.001** |  |
| **Resection type** | Reference: Partial/subtotal gastrectomy |
| Total/near-total gastrectomy | 1.12 (0.89-1.42) | 0.338 | **0.003** | 1.15 (1.08-1.23) | **< 0.001** | **< 0.001** |  | 1.18 (0.93-1.49) | 0.178 | **< 0.001** | 1.16 (1.09-1.24) | **< 0.001** | **< 0.001** |
| Gastrectomy (NOS) | 1.55 (1.20-1.99) | **0.001** |  | 1.15 (1.05-1.26) | **0.004** |  |  | 1.72 (1.32-2.24) | **< 0.001** |  | 1.18 (1.08-1.29) | **< 0.001** |  |

1Adjusted for: period of diagnosis, sex, age group, ethnicity, tumor location, local invasion, positive lymph node number, differentiation grade, and resection type. Statistically significant *P* values are shown in bold.

2Lesser curvature, greater curvature, overlapping lesion of stomach, and stomach (NOS).

NOS, not otherwise specified.