Table S2. The follow-up duration, the number of events and the age-standardized incidence rate of colorectal cancer

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Cohort | N | Person-years | No. of event | ASR\* | SIR | 95% CI |
| Total | 707,663  | 9,662,044  | 4,324  | 40.93 | 1.00 | reference |
|  |  |  |  |  |  |  |
| Cholecystectomy (no lag periods) | 11,362  | 61,043  | 48  | 43.52 | 0.97 | (0.72 -1.29) |
| Cholecystectomy (1 year of lag) | 10,015  | 50,385  | 34  | 35.97 | 0.82 | (0.57 -1.15) |
| Cholecystectomy (2 years of lag) | 8,756  | 41,008  | 30  | 40.49 | 0.87 | (0.59 -1.25) |
| Cholecystectomy (3 years of lag) | 7,598  | 32,824  | 25  | 42.96 | 0.89 | (0.58 -1.32) |
| Cholecystectomy (4 years of lag) | 6,511  | 25,774  | 21  | 51.02 | 0.94 | (0.58 -1.43) |
| Cholecystectomy (5 years of lag) | 5,464  | 19,805  | 16  | 52.50 | 0.91 | (0.52 -1.48) |
|  |  |  |  |  |  |  |
| Appendectomy (no lag periods) | 16,094  | 111,125  | 69  | 57.88 | 1.43 | (1.11 -1.81) |
| Appendectomy (1 year of lag) | 15,022  | 95,580  | 43  | 41.90 | 1.02 | (0.74 -1.38) |
| Appendectomy (2 years of lag) | 13,954  | 81,097  | 36  | 40.53 | 1.00 | (0.70 -1.38) |
| Appendectomy (3 years of lag) | 12,702  | 67,758  | 23  | 30.49 | 0.75 | (0.48 -1.13) |
| Appendectomy (4 years of lag) | 11,527  | 55,627  | 18  | 28.21 | 0.71 | (0.42 -1.12) |
| Appendectomy (5 years of lag) | 10,344  | 44,687  | 13  | 25.08 | 0.63 | (0.33 -1.08) |

ASR, Age standardized incidence rate; SIR, Standardized incidence ratio

\*Age standardized with mid-year Korean population in 2010