**Supplement 1. Baseline Characteristic of Patients who have Medical Check-up Data within 1 year before the Diagnosis of Colorectal Cancer**

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|  | **Control group****(n = 71,933)** | **Colorectal cancer group****(n = 14,190)** | **p-value** |
| **Female, sex, n (%)** | 71,933 (100) | 14,190 (100) | 1.00 |
| **Age <55yr, n (%)** | 17,842 (24.80) | 3,468 (24.44) | 0.36 |
| **Age ≥55yr, n (%)** | 54,091 (75.20) | 10,722 (75.56) |
| **Diabetes mellitus, n (%)** | 14,082 (19.58) | 3,355 (23.64) | <.0001 |
| **Hypertension, n (%)** | 34,123 (47.44) | 7,293 (51.40) | <.0001 |
| **Dyslipidemia, n (%)** | 21,241 (29.53) | 4,348 (30.64) | 0.01 |
| **Ever-smoker, yes (%)\*** | 25,036 (34.80) | 4,949 (34.88) | 0.87 |
| **Drinking alcohol >1/wk, yes (%)** | 29,892 (41.56) | 5,932 (41.80) | 0.58 |
| **Regular exercise, yes (%)\*\*** | 14,468 (20.11) | 2,874 (20.25) | 0.70 |
| **BMI < 18.5 kg/m2, n (%)** | 4,570 (6.35) | 910 (6.41) | 0.08 |
| **BMI 18.5-23 kg/m2, n (%)** | 30,131 (41.89) | 6,094 (42.95) |
| **BMI 23-25 kg/m2, n (%)** | 15,271 (21.23) | 3,011 (21.22) |
| **BMI 25-30 kg/m2, n (%)** | 18,556 (25.80) | 3,540 (24.95) |
| **BMI ≥30 kg/m2, n (%)** | 3,405 (4.73) | 635 (4.47) |
| **FPG, mg/dl (mean ± SD)** | 97.4 ± 26.0 | 97.6 ± 26.3 | 0.50 |
| **SBP, mmHg (mean ± SD)** | 121.8 ± 15.9 | 121.7 ± 15.9 | 0.69 |
| **DBP, mmHg (mean ± SD)** | 75.7 ± 10.2 | 75.7 ± 10.3 | 0.53 |
| **TC, mg/dl (mean ± SD)** | 190.8 ± 38.5 | 190.8 ± 38.1 | 0.83 |
| **BMI, kg/m2 (mean ± SD)** | 23.5 ± 3.6 | 23.4 ± 3.6 | 0.03 |
| **Height, cm (mean ± SD)** | 161.3 ± 9.4 | 161.2 ± 9.3 | 0.43 |
| **Weight, kg (mean ± SD)** | 61.2 ± 11.7 | 61.0 ± 11.5 | 0.02 |

Abbreviations: BMI, Body mass index; FPG, fasting plasma glucose, SBP, systolic blood pressure; DBP, diastolic blood pressure; TC, total cholesterol; SE: standard error

The subjects of this analysis are those who have health check-up data before the diagnosis of colorectal cancer. The values are presented as proportion for categorical variables or the mean ± standard deviation (SD) for continuous variables. **\***Ever smoker is a person who has smoked at least five packs of cigarettes in their lives with the sum of ex-smoker and current smoker. **\*\***Regular exercise refers to a person exercising at least three times a week.