Table S1. Studies included in the meta-analysis for excess body weight

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Author (year),  | Study period | Study subjects | Category of BMI (kg/m2) | OR(95% CI) | Confounding variables considered |
| Type and source | Definition | No. of cases | No. of controls |
| **Colorectum** |  |  |  |  |  |  |  |  |
| Chung YW et al. (2006) | 2002-2004 | Hanyang University Guri Hospital  | Cases; histologicalConfirmedColorectal cancerpatientsControl; patients of the same hospital | 373236 | 483621 | ~22.923.0~24.9≥25 | 1.001.40 (0.60-3.30)2.30 (0.90-5.80) | Both Men and WomenAdjusted age, sex, BMI, Glucose ,TG, Cholesterol |
| Jee SH et al.(2008) | 1992-1995 | National HealthInsurance Corporation | Cohort study | 2,7561,9151,909 |  | ~22.923.0~24.9≥25 | 1.001.12 (1.06-1.19)1.16 (1.09-1.23) | Both Men and WomenAdjusted for age, age2, drinking, smoking |
| 1,4151,21859 |  | <25.025.0~29.9≥30.0 | 1.001.08 (0.99-1.19)1.42 (1.02-1.98) | MenAdjusted for age, smoking status |
| 50957368 |  | <25.025.0~29.9≥30.0 | 1.000.92 (0.79-1.07)1.01 (0.72-1.42) | WomenAdjusted for age, smoking status |
| **Pancreas** |  |  |  |  |  |  |  |  |
| Jee SH et al.(2008) | 1992-1995 | National Health Insurance Corporation | Cohort study | 873528463 |  | ~22.923.0~24.9≥25 | 1.001.03 (0.92-1.15)1.09 (0.97-1.22 | MenAdjusted for age, age2, drinking, smoking |
|  | 323175287 |  | ~22.923.0~24.9≥25 | 1.000.93(0.77-1.12)1.15(0.98-1.35) | WomenAdjusted for age, age2, drinking, smoking |
|  | 52444217 |  | <25.025.0~29.9≥30.0 | 1.001.06 (0.90-1.24)1.34 (0.75-2.38) | MenAdjusted for age, smoking status |
| 17825334 |  | <25.025.0~29.9≥30.0 | 1.001.35 (1.05-1.74)1.80 (1.14-2.86) | WomenAdjusted for age, smoking status |

Table S1. Studies included in the meta-analysis for excess body weight (continued)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Author (year),  | Study period | Study subjects | Category of BMI (kg/m2) | OR(95% CI) | Confounding variables considered |
| Type and source | Definition | No. of cases | No. of controls |
| **Kidney** |  |  |  |  |  |  |  |  |
| Jee SH et al.(2008) | 1992-1995 | National Health Insurance Corporation | Cohort study | 524424406 |  | ~22.923.0~24.9≥25 | 1.001.28 (1.13-1.46)1.46 (1.28-1.66) | MenAdjusted for age, age2, drinking, smoking |
| 117101115 |  | ~22.923.0~24.9≥25 | 1.001.53(1.17-2.01)1.40(1.07-1.83) | WomenAdjusted for age, age2,drinking, smoking |
| 42539216 |  | <25.025.0~29.9≥30.0 | 1.001.11 (0.93-1.31)1.38 (0.76-2.52) | MenAdjusted for age, smokingStatus |
| 10010014 |  | <25.025.0~29.9≥30.0 | 1.000.92 (0.64-1.31)1.21 (0.58-2.53) | WomenAdjusted for age, smoking status |
| **Breast** |  |  |  |  |  |  |  |  |
| Jee SH et al.(2008) | 1992-1995 | National Health Insurance Corporation | Cohort study | 188139207 |  | ~22.923.0~24.9≥25 | 1.001.04 (0.84-1.30)1.25 (1.02-1.53) | Postmenopausal WomenAdjusted for age, age2, drinking, smoking |
| Kim J et al.(2009) | 2007-2008 | National Cancer Center Hospital | Cases: histologically confirmed breast cancer patientsControls: patients of the same hospital | 16985104 | 15812175 | <23.023.0~24.9≥25 | 1.000.66(0.45-0.95)1.30(0.88-1.91) | Pooled Estimation  |

Table S1. Studies included in the meta-analysis for excess body weight (continued)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Author (year),  | Study period | Study subjects | Category of BMI (kg/m2) | OR(95% CI) | Confounding variables considered |
| Type and source | Definition | No. of cases | No. of controls |
| **Breast** |  |  |  |  |  |  |  |  |
| Do MH et al. (2003) | 1998-1999 | Hospital-based(Hanyang and Soon-chunhyang University Hospital) | Cases: histologically confirmed incident cases Controls: patients of the same hospital | 108 women | 121 women | <20.020~2425~29≥30.0 | 1.00 1.12 (0.75-2.06)0.98 (0.41-1.96)1.98 (1.08-2.05) | Postmenopausal womenAdjusted for age　 |
| Han SH et al.(2008) | 2001-2005 | Hospital-based(Seoul National University and Asan Medical Center)  | Cases: histologicallyconfirmed incident cases.Controls: Cancer-free controls have DNA samples available | 635 women | 725 women | <25.025.0~29.9≥30.0 | 1.01.1 (0.82-1.39)1.6 (0.84-3.03) | Postmenopausal womenAdjusted for age atenrollment, education, age at first full term pregnancy or null parity, family history of breast cancer, and smoking status |
| Yoo KY et al. (1998) | 1994-1997 | Hospital-based (Seoul National University Hospital) | Cases: histologically confirmed incident cases Controls: patients of the same hospital | 280 women | 930 women | ≤2020~2222~2424~2626< | 1.00 1.26 (0.40-3.92)1.80 (0.65-5.00)2.68 (0.93-7.70)3.00 (1.07-8.40) | Postmenopausal womenAdjusted for age andeducation　 |
| **Uterine Corpus** |  |  |  |  |  |  |  |
| Tong SY et al(2009) | 1998-2006 | Tumor registry databases ofMedical centers in Korea | Cases; histologicallyconfirmed endometrioidadenocarcinomaControl;Benign gynaecologic disease | 125 women | 302 women | ~22.923.0~24.9≥25 | 1.001.19 (0.62-2.29)2.65 (1.44-4.89) | Adjusted for age |
| <25.025.0~29.9≥30.0 | 1.001.14(1.03-1.27)1.25(1.04-1.50) | log dose- response method |