Supplemental online material

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| Supplemental Table 1: Logistic regression analyses of metabolic syndrome biomarkers and gallstone disease |
|  | Unit | Gallstone prevalence | Model 1 OR [95% CI]2 | Model 2 OR [95% CI]3 |
| Central obesity | Waist circumference ≥80 cm in females and ≥94 cm in males1 | 18.7%(241/1286) | **1.28[1.03;1.59]** | **1.40[1.11;1.77]** |
| Elevated triglycerides | ≥1.70 mmol/L | 17.1%(114/668) | 1.21[0.95;1.54] | 1.25[0.96;1.62] |
| Reduced high density lipoprotein cholesterol | <1.30 mmol/L in females | 19.5%(114/584) | **1.38[1.08;1.76]** | **1.41[1.08;1.83]** |
| <1.00 mmol/L in males |
| Elevated blood pressure | Systolic ≥130 mmHg or Diastolic ≥85 mmHg or antihypertensive drug treatment | 18.0%(257/1426) | 1.13[0.89;1.44] | 1.27[0.98;1.65] |
| Elevated fasting plasma glucose | >5.5 mmol/L or previously diagnosed type 2 diabetes | 23.0%(60/261) | **1.52[1.10;2.10]** | **1.68[1.19;2.38]** |
| 1Waist circumference cut-points are for Europids |
| 2Adjusted for age and sex |
| 3Adjusted for age, sex, alcohol consumption (units/week), smoking (never, past, current), diet (western, prudent, healthy), physical activity level (sedentary, light, moderate + vigorous), social group (I-V) |