Table S1. Adjusted odds ratios (OR) and 99% lower- and upper confidence limit (LCL-UCL) for diabetes mellitus and metabolic syndrome in relation to quartiles (Q) of U_{SG} and U_{Osm}

| Population             | OR (LCL-UCL) | OR (LCL-UCL) | OR (LCL-UCL) | OR (LCL-UCL) | OR (LCL-UCL) | Quartile trend |
|------------------------|--------------|--------------|--------------|--------------|--------------|---------------|
|                        | n            | Q2 U_{SG}    | Q3 U_{SG}    | Q4 U_{SG}    |               |               |
| Diabetes flag          |              |              |              |              |              |               |
| Study population       | 1,838        | 2.0 (1.0–4.1) | 1.7 (0.6–4.3) | 1.8 (1.0–3.4) | 0.02          | 0.05          |
| Metabolic syndrome     |              |              |              |              |              |               |
| Study population       | 1,838        | 1.2 (0.6–2.4) | 1.1 (0.5–2.2) | 1.6 (1.0–2.7) | 0.01          | 0.03          |
| Healthy subsample      | 852          | 1.5 (0.7–3.3) | 1.2 (0.4–3.5) | 2.7 (1.1–6.6) | < 0.01        | 0.02          |
|                        |              |              |              |              |              |               |
|                        |              | Q2 U_{Osm}   | Q3 U_{Osm}   | Q4 U_{Osm}   |               |               |
| Diabetes flag          |              |              |              |              |              |               |
| Study population       | 2,123        | 1.5 (0.8–2.8) | 1.3 (0.5–3.3) | 0.6 (0.4–1.2) | 0.04          | 0.12          |
| Metabolic syndrome     |              |              |              |              |              |               |
| Study population       | 2,123        | 1.0 (0.5–1.7) | 0.8 (0.5–1.4) | 0.6 (0.3–1.3) | 0.08          | 0.06          |
| Healthy subsample      | 1,024        | 1.0 (0.4–2.4) | 1.0 (0.5–2.0) | 0.8 (0.2–2.8) | 0.56          | 0.57          |

OR adjusted for adjusted for age, sex, BMI, ethnicity, poverty income ratio, physical activity level and current smoking status in the study population (U_{SG}: 2007 - 2008 (n = 1,838); U_{Osm}: 2009 - 2010 (n = 2,123)) and in a subset of participants free from diabetes mellitus, impaired kidney function, hypertension and diuretic medication (U_{SG}: 2007 - 2008 (n = 852); U_{Osm}: 2009 - 2010 (n = 1,024)). Diabetes flag (diabetes told or antidiabetic meds); metabolic syndrome (any 3 of: elevated waist circumference (> 102 (male), > 88 (female)); elevated fasting plasma glucose (FPG) (≥ 100 mg/dL or antidiabetic medication); elevated triglycerides (≥ 150 or antihyperlipidemic medication); reduced HDL (< 40 (male), < 50 (female) or antihyperlipidemic medication); elevated blood pressure (BP) (systolic ≥ 130 or diastolic ≥ 85 or hypertension medication)); OR: odds ratios; Q: quartile; UCL: upper confidence limit. * vs Q1