

SUPPLEMENTAL MATERIAL

Table S1. Construction of HRD-score, intake recommendations (g/day) and scoring system for men based on 2500 kcal/day.

| Food Group | Component type* | HRD recommendation (g/day) | Minimum score (0 points) | Proportional score | Maximum points (10 points) | Proportional score |
|---|------------------------|-----------------------------------|---------------------------------|---------------------------|-----------------------------------|---------------------------|
| Whole Grains[†] | | | | | | |
| Rice, wheat, corn, and other | A | 464 (or 60% of total energy) | 0 g/d | 0-464 g/d | ≥464 g/d | |
| Vegetables | | | | | | |
| All vegetables [‡] | A | 300 | 0 g/d | 0-300 g/d | ≥300 g/d | |
| Fruits | | | | | | |
| All fruit [§] | A | 200 | 0 g/d | 0-200 g/d | ≥200 g/d | |
| Tubers or starchy vegetables | | | | | | |
| Potatoes and cassava | O | 50 | 0 g/d | 0-50 g/d | 50-100 g/d | 100-150 g/d |
| Dairy foods | | | | | | |
| Whole milk or derivative equivalents (e.g., cheese) | O | 250 | 0 g/d | 0-250 g/d | 250 – 500 g/d | 500-750 g/d |
| Protein Sources | | | | | | |
| Dry beans, lentils, and peas | A | 50 | 0 g/d | 0-50 g/d | ≥50 g/d | |
| Soy foods | A | 25 | 0 g/d | 0-25 g/d | ≥25 g/d | |
| Beef, lamb and pork | M | 14 | ≥14 g/d | 14 -0 g/d | 0 g/d | |
| Chicken and other poultry | O | 29 | 0 g/d | 0-29 g/d | 29-58 g/d | 58-88 g/d |
| Eggs | O | 13 | 0 g/d | 0-13 g/d | 13-25 g/d | 25-38 g/d |

| | | | | | | |
|-----------------------------|---|-----|-------------------------|----------|-------------------------|-------------|
| Fish | O | 28 | 0 g/d | 0-28 g/d | 28-100 g/d | 100-128 g/d |
| Nuts | O | 50 | 0 g/d | 0-50 g/d | 50-100 g/d | 100-150 g/d |
| Added sugars | | | | | | |
| All sweeteners | M | 31 | ≥31 g/d | 31-0 g/d | 0 g/d | |
| Added fats | | | | | | |
| Palm oil | R | 6.8 | No consumption of | | No consumption of | |
| unsaturated oils | | 40 | unsaturated fats OR | | saturated fats OR ratio | |
| dairy fats included in milk | | 0 | ratio of unsaturated to | | of unsaturated to | |
| lard and tallow | | 5 | saturated fats of ≤0.6 | | saturated fats of ≥13 | |

*A = adequacy component; O = optimum component; M = moderation component; R = ratio component.

† Reference diet refers to dry, raw weight. Recommendations for whole grains were converted, as described by Dooren et al.³⁹

‡ Including dark green vegetables, red and orange vegetables, other vegetables.

§ Excluding fruit juice.

|| Cut-offs and threshold values were derived from the 15th percentile and 85th percentile of the intake distribution of the Dutch reference population, as described in Looman et al.¹⁵

Table S2. Construction of HRD-score, intake recommendations (g/day) and scoring system for women based on 2000 kcal/day.

| Food Group | Component type* | HRD recommendation (g/day) | Minimum score (0 points) | Proportional score | Maximum points (10 points) | Proportional score |
|---|------------------------|-----------------------------------|---------------------------------|---------------------------|-----------------------------------|---------------------------|
| Whole Grains[†] | | | | | | |
| Rice, wheat, corn, and other | A | 372 (or 60%en) | 0 g/d | 0-372 g/d | ≥372 g/d | |
| Vegetables | | | | | | |
| All vegetables [‡] | A | 240 | 0 g/d | 0-240 g/d | ≥240 g/d | |
| Fruits | | | | | | |
| All fruit§ | A | 160 | 0 g/d | 0-160 g/d | ≥160 g/d | |
| Tubers or starchy vegetables | | | | | | |
| Potatoes and cassava | O | 40 | 0 g/d | 0-40 g/d | 40-80 g/d | 80-120 g/d |
| Dairy foods | | | | | | |
| Whole milk or derivative equivalents (e.g., cheese) | O | 200 | 0 g/d | 0-200 g/d | 200 – 400 g/d | 400-600 g/d |
| Protein Sources | | | | | | |
| Dry beans, lentils, and peas | A | 40 | 0 g/d | 0-40 g/d | ≥40 g/d | |
| Soy foods | A | 20 | 0 g/d | 0-20 g/d | ≥20 g/d | |
| Beef, lamb and pork | M | 12 | ≥12 g/d | 12-0 g/d | 0 g/d | |
| Chicken and other poultry | O | 23 | 0 g/d | 0-23 g/d | 23-46 g/d | 46-69 g/d |
| Eggs | O | 10 | 0 g/d | 0-10 g/d | 10-20 g/d | 20-30 g/d |
| Fish | O | 22 | 0 g/d | 0-22 g/d | 22-80 g/d | 80-102 g/d |

| | | | | | | |
|-----------------------------|---|----|-------------------------|----------|-------------------------|------------|
| Nuts | O | 40 | 0 g/d | 0-40 g/d | 40-80 g/d | 80-120 g/d |
| Added sugars | | | | | | |
| All sweeteners | M | 25 | ≥25 g/d | 25-0 g/d | 0 g/d | |
| Added fats | | | | | | |
| Palm oil | R | 5 | No consumption of | | No consumption of | |
| unsaturated oils | | 32 | unsaturated fats OR | | unsaturated fats OR | |
| dairy fats included in milk | | 0 | ratio of unsaturated to | | ratio of unsaturated to | |
| lard and tallow | | 4 | saturated fats of ≤0.5 | | saturated fats of ≤0.5 | |

*A = adequacy component; O = optimum component; M = moderation component; R = ratio component.

† Reference diet refers to dry, raw weight. Recommendations for whole grains were converted, as described by Dooren et al.³⁹

‡ Including dark green vegetables, red and orange vegetables, other vegetables.

§ Excluding fruit juice.

|| Cut-offs and threshold values were derived from the 15th percentile and 85th percentile of the intake distribution of the Dutch reference population, as described in Looman et al.¹⁵

Table S3. Hazard ratios (HRs) and 95% confidence intervals (CIs) for the association between HRDea-score (continuous) and incidence of CVD, CHD, total, ischaemic, and haemorrhagic stroke ($n=35,496$).

| | | HRDea-score | | |
|-------------------------------|-------|-------------|---------------|---------|
| Outcome | | HR | 95% CI | P-value |
| CVD, <i>n</i> | 4,153 | | | |
| Unadjusted Model | | 0.92 | (0.89 – 0.95) | <0.001 |
| Model 1 ^a | | 0.87 | (0.84 – 0.90) | <0.001 |
| Model 2 ^b | | 0.91 | (0.88 – 0.95) | <0.001 |
| Model 3 ^c | | 0.93 | (0.89 – 0.96) | <0.001 |
| CHD, <i>n</i> | 2,355 | | | |
| Unadjusted Model | | 0.90 | (0.86 – 0.93) | <0.001 |
| Model 1 ^a | | 0.87 | (0.83 – 0.91) | <0.001 |
| Model 2 ^b | | 0.92 | (0.88 – 0.97) | 0.001 |
| Model 3 ^c | | 0.94 | (0.89 – 0.98) | 0.007 |
| Total Stroke, <i>n</i> | 838 | | | |
| Unadjusted Model | | 1.01 | (0.94 - 1.08) | 0.781 |
| Model 1 ^a | | 0.91 | (0.84 – 0.98) | 0.013 |
| Model 2 ^b | | 0.95 | (0.88 – 1.03) | 0.232 |
| Model 3 ^c | | 0.96 | (0.88 – 1.04) | 0.309 |
| Ischemic stroke, <i>n</i> | 478 | | | |
| Unadjusted Model | | 1.06 | (0.97 - 1.17) | 0.218 |
| Model 1 ^a | | 0.96 | (0.87 - 1.06) | 0.372 |
| Model 2 ^b | | 1.00 | (0.90 – 1.11) | 0.950 |
| Model 3 ^c | | 1.01 | (0.90 – 1.12) | 0.890 |
| Haemorrhagic stroke, <i>n</i> | 233 | | | |
| Unadjusted Model | | 0.97 | (0.85 - 1.10) | 0.594 |
| Model 1 ^a | | 0.84 | (0.73 – 0.97) | 0.018 |
| Model 2 ^b | | 0.89 | (0.77 – 1.04) | 0.140 |
| Model 3 ^c | | 0.90 | (0.77 – 1.05) | 0.164 |

^a Adjusted for age and sex. ^b Adjusted for age, sex, educational level, smoking status, alcohol consumption, physical activity, and energy intake. ^c Adjusted for age, sex, educational level, smoking status, alcohol consumption, physical activity, energy intake, BMI, hypertension, and total cholesterol levels.

HR = Hazard Ratios

95% CI = 95% Confidence Intervals

HRDea-score = Energy-adjusted Healthy Reference Diet score

CVD = cardiovascular disease

CHD = coronary heart disease

Table S4. Hazard ratios (HRs) and 95% confidence intervals (CIs) for the association between quartiles of the HRDea-score and incidence of cardiovascular disease events, excluding, one at a time, each component of the HRDea-score (n=35,496).

| | HRDea-score | | | | P-trend |
|---|------------------------|------------------------|------------------------|-------------------------|---------|
| | Q1 (32-66) (n=8874) | Q2 (67-73) (n=8874) | Q3 (74-79) (n=8874) | Q4 (80-117) (n=8874) | |
| HR (95% CI) | | | | | |
| HRDea-score recalculated excluding*: | | | | | |
| Whole Grains | 1.00 [Reference] | 0.95 (0.87, 1.04) | 0.85 (0.78, 0.93) | 0.85 (0.77, 0.93) | <0.001 |
| Vegetables | 1.00 [Reference] | 0.99 (0.91, 1.08) | 0.83 (0.76, 0.91) | 0.86 (0.78, 0.95) | <0.001 |
| Fruit | 1.00 [Reference] | 0.91 (0.83, 0.99) | 0.84 (0.77, 0.92) | 0.85 (0.77, 0.94) | <0.001 |
| Potatoes | 1.00 [Reference] | 0.95 (0.88, 1.03) | 0.90 (0.83, 0.98) | 0.91 (0.83, 0.99) | 0.012 |
| Dairy | 1.00 [Reference] | 0.96 (0.88, 1.04) | 0.87 (0.80, 0.95) | 0.83 (0.75, 0.91) | <0.001 |
| Legumes | 1.00 [Reference] | 0.90 (0.82, 0.98) | 0.79 (0.72, 0.87) | 0.80 (0.73, 0.89) | <0.001 |
| Soy | 1.00 [Reference] | 0.98 (0.90, 1.07) | 0.86 (0.79, 0.94) | 0.83 (0.75, 0.91) | <0.001 |
| Beef, Lamb, Pork | 1.00 [Reference] | 0.96 (0.88, 1.04) | 0.83 (0.76, 0.90) | 0.82 (0.74, 0.89) | <0.001 |
| Chicken | 1.00 [Reference] | 0.97 (0.89, 1.05) | 0.83 (0.76, 0.90) | 0.83 (0.75, 0.90) | <0.001 |
| Eggs | 1.00 [Reference] | 0.94 (0.87, 1.02) | 0.86 (0.79, 0.94) | 0.82 (0.75, 0.90) | <0.001 |
| Fish | 1.00 [Reference] | 0.97 (0.90, 1.05) | 0.82 (0.75, 0.89) | 0.83 (0.76, 0.91) | <0.001 |
| Nuts | 1.00 [Reference] | 0.97 (0.90, 1.05) | 0.82 (0.75, 0.89) | 0.83 (0.76, 0.91) | <0.001 |
| Sugars | 1.00 [Reference] | 0.95 (0.88, 1.03) | 0.81 (0.74, 0.88) | 0.81 (0.74, 0.89) | <0.001 |
| Fats ratio | 1.00 [Reference] | 0.93 (0.86, 1.01) | 0.81 (0.74, 0.88) | 0.80 (0.73, 0.88) | <0.001 |

*Adjusted for: sex, age, educational level, smoking status, alcohol consumption, physical activity, energy intake, BMI, hypertension, and cholesterol levels.

Q1 = first quartile

Q2 = second quartile

Q3 = third quartile

Q4 = fourth quartile

HR = Hazard Ratios

95% CI = 95% Confidence Intervals

p-trend = p-value for trend

HRDea-score = Energy-adjusted Healthy Reference Diet score

CVD = cardiovascular disease

Table S5. Hazard ratios (HRs) and 95% confidence intervals (CIs) for the association between quartiles of HRDea-score and CHD, excluding, one at a time, each component of the HRD-score (n=35,496).

| | HRDea-score | | | | P-trend |
|------------------------------------|------------------------|------------------------|------------------------|-------------------------|---------|
| | Q1 (32-66) (n=8874) | Q2 (67-73) (n=8874) | Q3 (74-79) (n=8874) | Q4 (80-117) (n=8874) | |
| HR (95% CI) | | | | | |
| HRD-score recalculated excluding*: | | | | | |
| Whole Grains | 1.00 [Reference] | 0.94 (0.84 – 1.05) | 0.87 (0.77 – 0.98) | 0.89 (0.78 – 1.01) | 0.034 |
| Vegetables | 1.00 [Reference] | 1.01 (0.90 – 1.13) | 0.89 (0.79 – 1.00) | 0.92 (0.81 – 1.04) | 0.061 |
| Fruit | 1.00 [Reference] | 0.97 (0.87 – 1.08) | 0.87 (0.77 – 0.98) | 0.90 (0.79 – 1.02) | 0.037 |
| Potatoes | 1.00 [Reference] | 1.00 (0.89 – 1.12) | 0.97 (0.86 – 1.08) | 0.95 (0.85 – 1.08) | 0.397 |
| Dairy | 1.00 [Reference] | 0.98 (0.88 – 1.10) | 0.91 (0.81 – 1.03) | 0.86 (0.75 – 0.98) | 0.016 |
| Legumes | 1.00 [Reference] | 0.94 (0.84 – 1.05) | 0.88 (0.78 – 0.99) | 0.83 (0.73 – 0.94) | 0.002 |
| Soy | 1.00 [Reference] | 0.97 (0.87 – 1.09) | 0.88 (0.78 – 0.99) | 0.85 (0.75 – 0.97) | 0.006 |
| Beef, Lamb, Pork | 1.00 [Reference] | 0.97 (0.87 – 1.09) | 0.88 (0.78 – 1.00) | 0.87 (0.76 – 0.99) | 0.013 |
| Chicken | 1.00 [Reference] | 1.00 (0.89 – 1.11) | 0.90 (0.80 – 1.01) | 0.89 (0.78 – 1.01) | 0.032 |
| Eggs | 1.00 [Reference] | 0.96 (0.86 – 1.07) | 0.88 (0.78 – 0.99) | 0.89 (0.78 – 1.01) | 0.034 |
| Fish | 1.00 [Reference] | 0.99 (0.89 – 1.11) | 0.88 (0.78 – 0.99) | 0.88 (0.77 – 1.00) | 0.016 |
| Nuts | 1.00 [Reference] | 0.99 (0.88 – 1.11) | 0.88 (0.78 – 1.00) | 0.88 (0.77 – 1.00) | 0.017 |
| Sugars | 1.00 [Reference] | 0.97 (0.86 – 1.08) | 0.87 (0.77 – 0.98) | 0.85 (0.75 – 0.97) | 0.006 |
| Fats ratio | 1.00 [Reference] | 0.94 (0.84 – 1.05) | 0.84 (0.75 – 0.95) | 0.86 (0.76 – 0.98) | 0.006 |

* Adjusted for: sex, age, educational level, smoking status, alcohol consumption, physical activity, energy intake, BMI, hypertension, and cholesterol levels.

Q1 = first quartile

Q2 = second quartile

Q3 = third quartile

Q4 = fourth quartile

HR = Hazard Ratios

95% CI = 95% Confidence Intervals

p-trend = p-value for trend

HRDea-score = Energy-adjusted Healthy Reference Diet score

CHD = coronary heart disease

Table S6. Hazard ratios (HRs) and 95% confidence intervals (CIs) for the association between quartiles of the HRDea-score and incidence of total stroke, excluding, one at a time, each component of the HRD-score (n=35,496).

| | HRDea-score | | | | P-trend |
|---|------------------------|------------------------|------------------------|-------------------------|---------|
| | Q1 (32-66) (n=8874) | Q2 (67-73) (n=8874) | Q3 (74-79) (n=8874) | Q4 (80-117) (n=8874) | |
| HR (95% CI) | | | | | |
| HRDea-score recalculated excluding*: | | | | | |
| Whole Grains | 1.00 [Reference] | 1.00 (0.82, 1.22) | 0.93 (0.76, 1.14) | 0.88 (0.71, 1.10) | 0.202 |
| Vegetables | 1.00 [Reference] | 0.99 (0.82, 1.21) | 0.83 (0.68, 1.02) | 0.88 (0.72, 1.09) | 0.123 |
| Fruit | 1.00 [Reference] | 0.88 (0.72, 1.07) | 0.85 (0.70, 1.04) | 0.85 (0.69, 1.05) | 0.129 |
| Potatoes | 1.00 [Reference] | 1.05 (0.86, 1.28) | 0.95 (0.78, 1.17) | 1.02 (0.84, 1.25) | 0.976 |
| Dairy | 1.00 [Reference] | 1.07 (0.88, 1.31) | 0.95 (0.77, 1.17) | 0.90 (0.72, 1.12) | 0.228 |
| Legumes | 1.00 [Reference] | 0.92 (0.76, 1.11) | 0.79 (0.64, 0.97) | 0.82 (0.67, 1.02) | 0.038 |
| Soy | 1.00 [Reference] | 0.99 (0.81, 1.20) | 0.85 (0.69, 1.04) | 0.82 (0.66, 1.01) | 0.031 |
| Beef, Lamb, Pork | 1.00 [Reference] | 1.01 (0.83, 1.23) | 0.86 (0.70, 1.06) | 0.84 (0.68, 1.04) | 0.055 |
| Chicken | 1.00 [Reference] | 1.07 (0.88, 1.30) | 0.86 (0.70, 1.06) | 0.91 (0.74, 1.13) | 0.170 |
| Eggs | 1.00 [Reference] | 0.94 (0.77, 1.14) | 0.94 (0.77, 1.15) | 0.81 (0.65, 1.00) | 0.060 |
| Fish | 1.00 [Reference] | 1.04 (0.86, 1.27) | 0.86 (0.70, 1.06) | 0.89 (0.71, 1.10) | 0.117 |
| Nuts | 1.00 [Reference] | 1.04 (0.86, 1.27) | 0.86 (0.70, 1.06) | 0.89 (0.72, 1.11) | 0.132 |
| Sugars | 1.00 [Reference] | 1.00 (0.83, 1.22) | 0.84 (0.69, 1.04) | 0.84 (0.68, 1.04) | 0.046 |
| Fats ratio | 1.00 [Reference] | 0.97 (0.80, 1.18) | 0.89 (0.73, 1.09) | 0.83 (0.67, 1.03) | 0.067 |

* Adjusted for: sex, age, educational level, smoking status, alcohol consumption, physical activity, energy intake, BMI, hypertension, and cholesterol levels.

Q1 = first quartile

Q2 = second quartile

Q3 = third quartile

Q4 = fourth quartile

HR = Hazard Ratios

95% CI = 95% Confidence Intervals

p-trend = p-value for trend

HRDea-score = Energy-adjusted Healthy Reference Diet score

Table S7. Hazard ratios (HRs) and 95% confidence intervals (CIs) for the association between quartiles of the HRDea-score and incidence of ischaemic stroke, excluding, one at a time, each component of the HRDea-score (n=35,496).

| | HRDea-score | | | | P-trend |
|---|------------------------|------------------------|------------------------|-------------------------|---------|
| | Q1 (32-66) (n=8874) | Q2 (67-73) (n=8874) | Q3 (74-79) (n=8874) | Q4 (80-117) (n=8874) | |
| HR (95% CI) | | | | | |
| HRDea-score recalculated excluding*: | | | | | |
| Whole Grains | 1.00 [Reference] | 0.91 (0.69, 1.19) | 1.00 (0.76, 1.30) | 0.87 (0.66, 1.16) | 0.471 |
| Vegetables | 1.00 [Reference] | 0.96 (0.74, 1.26) | 0.85 (0.65, 1.12) | 0.97 (0.74, 1.29) | 0.722 |
| Fruit | 1.00 [Reference] | 0.86 (0.66, 1.12) | 0.88 (0.67, 1.14) | 0.91 (0.69, 1.20) | 0.565 |
| Potatoes | 1.00 [Reference] | 1.18 (0.90, 1.55) | 1.02 (0.78, 1.35) | 1.23 (0.94, 1.61) | 0.234 |
| Dairy | 1.00 [Reference] | 1.07 (0.82, 1.39) | 0.89 (0.67, 1.18) | 0.99 (0.74, 1.31) | 0.669 |
| Legumes | 1.00 [Reference] | 0.96 (0.74, 1.24) | 0.80 (0.61, 1.06) | 0.93 (0.70, 1.23) | 0.431 |
| Soy | 1.00 [Reference] | 0.87 (0.67, 1.14) | 0.92 (0.70, 1.20) | 0.83 (0.63, 1.10) | 0.262 |
| Beef, Lamb, Pork | 1.00 [Reference] | 0.89 (0.68, 1.15) | 0.92 (0.71, 1.20) | 0.86 (0.65, 1.14) | 0.359 |
| Chicken | 1.00 [Reference] | 0.97 (0.74, 1.27) | 0.94 (0.71, 1.23) | 0.95 (0.72, 1.26) | 0.699 |
| Eggs | 1.00 [Reference] | 0.88 (0.67, 1.15) | 0.98 (0.75, 1.28) | 0.85 (0.64, 1.13) | 0.381 |
| Fish | 1.00 [Reference] | 0.91 (0.69, 1.18) | 0.92 (0.70, 1.21) | 0.90 (0.68, 1.20) | 0.528 |
| Nuts | 1.00 [Reference] | 0.92 (0.70, 1.20) | 0.91 (0.69, 1.19) | 0.91 (0.69, 1.21) | 0.549 |
| Sugars | 1.00 [Reference] | 0.89 (0.69, 1.17) | 0.92 (0.70, 1.20) | 0.87 (0.66, 1.16) | 0.407 |
| Fats ratio | 1.00 [Reference] | 0.86 (0.66, 1.12) | 0.94 (0.72, 1.23) | 0.87 (0.65, 1.15) | 0.446 |

* Adjusted for: sex, age, educational level, smoking status, alcohol consumption, physical activity, energy intake, BMI, hypertension, and cholesterol levels.

Q1 = first quartile

Q2 = second quartile

Q3 = third quartile

Q4 = fourth quartile

HR = Hazard Ratios

95% CI = 95% Confidence Intervals

p-trend = p-value for trend

HRDea-score = Energy-adjusted Healthy Reference Diet score

Table S8. Hazard ratios (HRs) and 95% confidence intervals (CIs) for the association between quartiles of the HRDea-score and incidence of haemorrhagic stroke, excluding, one at a time, each component of the HRDea-score (n=35,496).

| | HRDea-score | | | | P-trend |
|---|------------------------|------------------------|------------------------|-------------------------|---------|
| | Q1 (32-66) (n=8874) | Q2 (67-73) (n=8874) | Q3 (74-79) (n=8874) | Q4 (80-117) (n=8874) | |
| HR (95% CI) | | | | | |
| HRDea-score recalculated excluding*: | | | | | |
| Whole Grains | 1.00 [Reference] | 1.26 (0.87, 1.81) | 0.75 (0.49, 1.13) | 0.93 (0.62, 1.40) | 0.298 |
| Vegetables | 1.00 [Reference] | 1.05 (0.73, 1.51) | 0.77 (0.52, 1.15) | 0.80 (0.53, 1.19) | 0.142 |
| Fruit | 1.00 [Reference] | 0.91 (0.63, 1.31) | 0.83 (0.57, 1.21) | 0.75 (0.50, 1.13) | 0.147 |
| Potatoes | 1.00 [Reference] | 0.88 (0.61, 1.27) | 0.85 (0.59, 1.23) | 0.75 (0.51, 1.10) | 0.144 |
| Dairy | 1.00 [Reference] | 1.03 (0.71, 1.51) | 0.99 (0.67, 1.46) | 0.78 (0.51, 1.18) | 0.242 |
| Legumes | 1.00 [Reference] | 0.82 (0.57, 1.18) | 0.68 (0.46, 1.00) | 0.76 (0.51, 1.13) | 0.126 |
| Soy | 1.00 [Reference] | 1.17 (0.82, 1.68) | 0.63 (0.42, 0.96) | 0.85 (0.57, 1.27) | 0.129 |
| Beef, Lamb, Pork | 1.00 [Reference] | 1.29 (0.90, 1.84) | 0.69 (0.45, 1.05) | 0.89 (0.59, 1.33) | 0.160 |
| Chicken | 1.00 [Reference] | 1.23 (0.85, 1.76) | 0.66 (0.43, 1.01) | 0.90 (0.60, 1.34) | 0.196 |
| Eggs | 1.00 [Reference] | 0.97 (0.67, 1.41) | 0.80 (0.54, 1.18) | 0.73 (0.48, 1.10) | 0.085 |
| Fish | 1.00 [Reference] | 1.27 (0.88, 1.81) | 0.67 (0.44, 1.02) | 0.92 (0.61, 1.37) | 0.216 |
| Nuts | 1.00 [Reference] | 1.25 (0.87, 1.79) | 0.69 (0.45, 1.05) | 0.92 (0.61, 1.38) | 0.242 |
| Sugars | 1.00 [Reference] | 1.27 (0.89, 1.82) | 0.71 (0.47, 1.07) | 0.89 (0.59, 1.34) | 0.187 |
| Fats ratio | 1.00 [Reference] | 1.16 (0.81, 1.67) | 0.76 (0.51, 1.14) | 0.83 (0.55, 1.25) | 0.147 |

* Adjusted for: sex, age, educational level, smoking status, alcohol consumption, physical activity, energy intake, BMI, hypertension, and cholesterol levels.

Q1 = first quartile

Q2 = second quartile

Q3 = third quartile

Q4 = fourth quartile

HR = Hazard Ratios

95% CI = 95% Confidence Intervals

p-trend = p-value for trend

HRDea-score = Energy-adjusted Healthy Reference Diet score

Table S9. Hazard ratios (HRs) and 95% confidence intervals (CIs) for the association between quartiles of the HRDea-score and incidence of CVD, CHD, total stroke, ischaemic and haemorrhagic stroke, applying IPTWs (n=35,496).

| | Quartiles of HRDea-score (range) | | | | <i>P</i> -trend |
|-------------------------------|----------------------------------|------------------------|------------------------|-------------------------|-----------------|
| | Q1 (32-66) (n=8874) | Q2 (67-73) (n=8874) | Q3 (74-79) (n=8874) | Q4 (80-117) (n=8874) | |
| CVD, <i>n</i> | 1100 | 1140 | 979 | 934 | |
| Persons-years | 122061 | 125076 | 127678 | 136736 | |
| Unadjusted Model | 1.00 [ref] | 1.00 (0.91 – 1.09) | 0.83 (0.75 – 0.91) | 0.78 (0.69 – 0.89) | <0.001 |
| Model 1* | 1.00 [ref] | 0.99 (0.90 – 1.09) | 0.83 (0.76 – 0.92) | 0.80 (0.71 – 0.91) | <0.001 |
| Model 2† | 1.00 [ref] | 1.00 (0.91 – 1.09) | 0.84 (0.76 – 0.92) | 0.83 (0.74 – 0.93) | <0.001 |
| Model 3‡ | 1.00 [ref] | 1.00 (0.91 – 1.10) | 0.83 (0.75 – 0.92) | 0.82 (0.73 – 0.92) | <0.001 |
| CHD, <i>n</i> | 617 | 614 | 542 | 544 | |
| Persons-years | 124454 | 127252 | 129333 | 138622 | |
| Unadjusted Model | 1.00 [ref] | 1.00 (0.88 – 1.13) | 0.88 (0.77 – 1.00) | 0.83 (0.71 – 0.98) | 0.007 |
| Model 1* | 1.00 [ref] | 1.00 (0.88 – 1.13) | 0.89 (0.78 – 1.01) | 0.85 (0.72 – 0.99) | 0.016 |
| Model 2† | 1.00 [ref] | 1.01 (0.89 – 1.14) | 0.89 (0.78 – 1.02) | 0.87 (0.75 – 1.02) | 0.033 |
| Model 3‡ | 1.00 [ref] | 1.00 (0.89 – 1.13) | 0.88 (0.77 – 1.00) | 0.86 (0.74 – 1.00) | 0.014 |
| Total Stroke, <i>n</i> | 197 | 233 | 203 | 205 | |
| Persons-years | 127190 | 129916 | 131765 | 141150 | |
| Unadjusted Model | 1.00 [ref] | 1.15 (0.93 – 1.42) | 0.89 (0.72 - 1.11) | 0.94 (0.69 – 1.27) | 0.380 |
| Model 1* | 1.00 [ref] | 1.14 (0.93 – 1.41) | 0.90 (0.73 - 1.12) | 0.98 (0.72 – 1.32) | 0.570 |
| Model 2† | 1.00 [ref] | 1.14 (0.93 – 1.41) | 0.92 (0.74 – 1.14) | 1.00 (0.75 – 1.34) | 0.692 |
| Model 3‡ | 1.00 [ref] | 1.15 (0.93 – 1.42) | 0.91 (0.73 – 1.14) | 0.99 (0.74 – 1.32) | 0.618 |
| Ischaemic stroke, <i>n</i> | 112 | 118 | 125 | 123 | |
| Persons-years | 127545 | 130323 | 131980 | 141489 | |
| Unadjusted Model | 1.00 [ref] | 1.07 (0.80 – 1.42) | 0.99 (0.75 - 1.31) | 1.04 (0.66 – 1.61) | 0.951 |
| Model 1* | 1.00 [ref] | 1.06 (0.80 – 1.41) | 1.00 (0.76 - 1.33) | 1.08 (0.70 – 1.67) | 0.779 |
| Model 2† | 1.00 [ref] | 1.06 (0.80 – 1.41) | 1.03 (0.77 – 1.37) | 1.10 (0.74 – 1.65) | 0.673 |
| Model 3‡ | 1.00 [ref] | 1.06 (0.80 – 1.42) | 1.02 (0.76 – 1.35) | 1.08 (0.73 – 1.60) | 0.750 |
| Haemorrhagic stroke, <i>n</i> | 54 | 76 | 45 | 58 | |
| Persons-years | 127921 | 130593 | 132462 | 141839 | |
| Unadjusted Model | 1.00 [ref] | 1.28 (0.88 – 1.88) | 0.68 (0.44 - 1.05) | 0.90 (0.57 – 1.40) | 0.222 |
| Model 1* | 1.00 [ref] | 1.27 (0.87 – 1.86) | 0.68 (0.45 - 1.05) | 0.94 (0.60 – 1.45) | 0.310 |
| Model 2† | 1.00 [ref] | 1.28 (0.88 – 1.88) | 0.70 (0.46 – 1.08) | 0.97 (0.62 – 1.52) | 0.414 |
| Model 3‡ | 1.00 [ref] | 1.29 (0.88 – 1.88) | 0.70 (0.46 – 1.08) | 0.97 (0.62 – 1.53) | 0.422 |

* Adjusted for age and sex.

† Adjusted for age, sex, educational level, smoking status, alcohol consumption, physical activity, and energy intake.

‡ Adjusted for age, sex, educational level, smoking status, alcohol consumption, physical activity, energy intake, BMI, hypertension, and total cholesterol levels.

Q1 = first quartile

Q2 = second quartile

Q3 = third quartile

Q4 = fourth quartile

HRs = Hazard Ratios

95% CI = 95% Confidence Intervals

p-trend = p-value for trend

HRDea-score = Energy-adjusted Healthy Reference Diet score

IPTWs = Inverse probability of treatment weights

CVD = cardiovascular disease

CHD = coronary heart disease

Table S10. Hazard ratios (HRs) and 95% confidence intervals (CIs) for the association between quartiles of the mMDS and incidence of CVD, CHD, total stroke, ischaemic and haemorrhagic stroke ($n=35,496$).

| | Quartiles of mMED (range) | | | | <i>P</i> -trend |
|-------------------------------|------------------------------|-------------------------|-------------------------|---------------------------|-----------------|
| | Q1 (0 - 3) ($n=10,738$) | Q2 (4) ($n=8,160$) | Q3 (5) ($n=7,910$) | Q4 (6-9) ($n=8,688$) | |
| CVD, <i>n</i> | 1466 | 979 | 869 | 839 | |
| Persons-years | 152651 | 116652 | 113355 | 124945 | |
| Unadjusted Model | 1.00 [ref] | 0.87 (0.80 – 0.95) | 0.80 (0.73 – 0.87) | 0.70 (0.64 – 0.76) | <0.001 |
| Model 1* | 1.00 [ref] | 0.87 (0.80 – 0.94) | 0.82 (0.75 – 0.89) | 0.74 (0.68 – 0.80) | <0.001 |
| Model 2† | 1.00 [ref] | 0.91 (0.84 – 0.98) | 0.89 (0.82 – 0.97) | 0.82 (0.75 – 0.90) | <0.001 |
| Model 3‡ | 1.00 [ref] | 0.91 (0.83 – 0.98) | 0.91 (0.83 – 0.99) | 0.84 (0.77 – 0.92) | <0.001 |
| CHD, <i>n</i> | 822 | 564 | 489 | 480 | |
| Persons-years | 155675 | 118574 | 115141 | 126718 | |
| Unadjusted Model | 1.00 [ref] | 0.90 (0.81 – 1.00) | 0.80 (0.72 – 0.90) | 0.72 (0.64 – 0.80) | <0.001 |
| Model 1* | 1.00 [ref] | 0.89 (0.80 – 0.99) | 0.82 (0.73 – 0.92) | 0.74 (0.66 – 0.83) | <0.001 |
| Model 2† | 1.00 [ref] | 0.94 (0.84 – 1.04) | 0.89 (0.80 – 1.00) | 0.84 (0.75 – 0.94) | 0.002 |
| Model 3‡ | 1.00 [ref] | 0.94 (0.84 – 1.05) | 0.91 (0.81 – 1.02) | 0.86 (0.76 – 0.96) | 0.008 |
| Total Stroke, <i>n</i> | 308 | 179 | 173 | 178 | |
| Persons-years | 159229 | 121253 | 117295 | 128806 | |
| Unadjusted Model | 1.00 [ref] | 0.76 (0.63 – 0.92) | 0.76 (0.63 – 0.92) | 0.72 (0.60 – 0.86) | <0.001 |
| Model 1* | 1.00 [ref] | 0.77 (0.64 – 0.93) | 0.81 (0.67 – 0.98) | 0.79 (0.66 – 0.95) | 0.013 |
| Model 2† | 1.00 [ref] | 0.80 (0.67 – 0.97) | 0.88 (0.73 – 1.06) | 0.88 (0.73 – 1.07) | 0.225 |
| Model 3‡ | 1.00 [ref] | 0.80 (0.66 – 0.96) | 0.88 (0.73 – 1.07) | 0.89 (0.74 – 1.08) | 0.264 |
| Ischaemic stroke, <i>n</i> | 180 | 99 | 88 | 111 | |
| Persons-years | 159652 | 121545 | 117689 | 129088 | |
| Unadjusted Model | 1.00 [ref] | 0.72 (0.57 – 0.92) | 0.66 (0.51 – 0.86) | 0.76 (0.60 – 0.97) | 0.010 |
| Model 1* | 1.00 [ref] | 0.73 (0.57 – 0.94) | 0.71 (0.55 – 0.91) | 0.85 (0.67 – 1.08) | 0.099 |
| Model 2† | 1.00 [ref] | 0.76 (0.60 – 0.98) | 0.78 (0.60 – 1.01) | 0.96 (0.76 – 1.23) | 0.550 |
| Model 3‡ | 1.00 [ref] | 0.77 (0.60 – 0.99) | 0.78 (0.60 – 1.01) | 0.99 (0.77 – 1.26) | 0.662 |
| Haemorrhagic stroke, <i>n</i> | 86 | 53 | 56 | 38 | |
| Persons-years | 1680423 | 121878 | 117855 | 129472 | |
| Unadjusted Model | 1.00 [ref] | 0.81 (0.58 – 1.14) | 0.89 (0.63 – 1.24) | 0.55 (0.38 – 0.80) | 0.006 |
| Model 1* | 1.00 [ref] | 0.83 (0.59 – 1.16) | 0.94 (0.67 – 1.31) | 0.60 (0.41 – 0.88) | 0.025 |
| Model 2† | 1.00 [ref] | 0.84 (0.60 – 1.19) | 0.98 (0.70 – 1.38) | 0.63 (0.43 – 0.93) | 0.060 |
| Model 3‡ | 1.00 [ref] | 0.80 (0.57 – 1.14) | 0.97 (0.69 – 1.37) | 0.63 (0.42 – 0.93) | 0.060 |

* Adjusted for age and sex.

† Adjusted for age, sex, educational level, smoking status, alcohol consumption, physical activity, and energy intake.

‡ Adjusted for age, sex, educational level, smoking status, alcohol consumption, physical activity, energy intake, BMI, hypertension, and total cholesterol levels.

Q1 = first quartile
Q2 = second quartile
Q3 = third quartile
Q4 = fourth quartile
HRs = Hazard Ratios
95% CI = 95% Confidence Intervals
p-trend = p-value for trend
mMED = modified Mediterranean Diet
CVD = cardiovascular disease
CHD = coronary heart disease

Table S11. Hazard ratios (HRs) and 95% confidence intervals (CIs) for the association between tertials of the HDI and incidence of CVD, CHD, total stroke, ischaemic and haemorrhagic stroke (n=35,496).

| | Tertiles of HDI | | | <i>P</i> -trend |
|--------------------------------------|-------------------------|---------------------|-------------------------|-----------------|
| | Q1 (1 - 3) (n=7,354) | Q2 (4) (n=7,560) | Q3 (5 - 7) (n=4,964) | |
| CVD, <i>n</i> | 993 | 892 | 605 | |
| Persons-years | 103818 | 108461 | 71169 | |
| Unadjusted Model | 1.00 [ref] | 0.86 (0.78 – 0.94) | 0.89 (0.80 – 0.98) | 0.008 |
| Model 1* | 1.00 [ref] | 0.84 (0.76 – 0.91) | 0.80 (0.72 – 0.88) | <0.001 |
| Model 2† | 1.00 [ref] | 0.88 (0.80 – 0.96) | 0.91 (0.82 – 1.01) | 0.036 |
| Model 3‡ | 1.00 [ref] | 0.88 (0.81 – 0.97) | 0.92 (0.83 – 1.02) | 0.067 |
| CHD, <i>n</i> | 569 | 492 | 329 | |
| Persons-years | 105842 | 110218 | 72303 | |
| Unadjusted Model | 1.00 [ref] | 0.83 (0.73 – 0.93) | 0.84 (0.74 – 0.97) | 0.006 |
| Model 1* | 1.00 [ref] | 0.81 (0.72 – 0.92) | 0.78 (0.68 – 0.90) | <0.001 |
| Model 2† | 1.00 [ref] | 0.86 (0.76 – 0.97) | 0.88 (0.77 – 1.01) | 0.040 |
| Model 3‡ | 1.00 [ref] | 0.86 (0.76 – 0.97) | 0.90 (0.78 – 1.03) | 0.073 |
| Total Stroke, <i>n</i> | 183 | 205 | 115 | |
| Persons-years | 108548 | 112241 | 73867 | |
| Unadjusted Model | 1.00 [ref] | 1.08 (0.88 – 1.32) | 0.92 (0.73 – 1.16) | 0.601 |
| Model 1* | 1.00 [ref] | 1.03 (0.85 – 1.26) | 0.78 (0.61 – 0.98) | 0.050 |
| Model 2† | 1.00 [ref] | 1.08 (0.88 – 1.32) | 0.89 (0.70 – 1.12) | 0.423 |
| Model 3‡ | 1.00 [ref] | 1.07 (0.88 – 1.32) | 0.89 (0.70 – 1.13) | 0.430 |
| Ischaemic stroke, <i>n</i> | 113 | 104 | 73 | |
| Persons-years | 108806 | 112574 | 74017 | |
| Unadjusted Model | 1.00 [ref] | 0.89 (0.68 – 1.16) | 0.95 (0.71 – 1.27) | 0.651 |
| Model 1* | 1.00 [ref] | 0.84 (0.65 – 1.10) | 0.79 (0.59 – 1.06) | 0.101 |
| Model 2† | 1.00 [ref] | 0.88 (0.67 – 1.15) | 0.92 (0.68 – 1.24) | 0.513 |
| Model 3‡ | 1.00 [ref] | 0.88 (0.67 – 1.16) | 0.95 (0.70 – 1.29) | 0.663 |
| Haemorrhagic stroke, <i>n</i> | 42 | 63 | 32 | |
| Persons-years | 109287 | 112859 | 74241 | |
| Unadjusted Model | 1.00 [ref] | 1.45 (0.98 – 2.14) | 1.12 (0.71 – 1.77) | 0.502 |
| Model 1* | 1.00 [ref] | 1.39 (0.94 – 2.06) | 0.95 (0.60 – 1.51) | 0.970 |
| Model 2† | 1.00 [ref] | 1.46 (0.99 - 2.16) | 0.99 (0.62 – 1.59) | 0.856 |
| Model 3‡ | 1.00 [ref] | 1.41 (0.95 – 2.10) | 0.92 (0.56 – 1.49) | 0.898 |

* Adjusted for age and sex.

† Adjusted for age, sex, educational level, smoking status, alcohol consumption, physical activity, and energy intake.

‡ Adjusted for age, sex, educational level, smoking status, alcohol consumption, physical activity, energy intake, BMI, hypertension, and total cholesterol levels.

Q1 = first quartile
Q2 = second quartile
Q3 = third quartile
Q4 = fourth quartile
HRs = Hazard Ratios
95% CI = 95% Confidence Intervals
p-trend = p-value for trend
HDI = Healthy Diet Indicator
CVD = cardiovascular disease
CHD = coronary heart disease

Table S12. Hazard ratios (HRs) and 95% confidence intervals (CIs) for the association between PDI and incidence of CVD, CHD, total stroke, ischaemic and haemorrhagic stroke ($n=35,496$).

| | PDI (26 - 73) ($n=35,496$) | 95% (CI) | P-value |
|--------------------------|---------------------------------|---------------|---------|
| CVD, n | 2,299 | | |
| Persons-years | 264797 | | |
| Unadjusted Model | 0.99 | (0.98 – 0.99) | <0.001 |
| Model 1* | 0.99 | (0.99 – 1.00) | 0.001 |
| Model 2† | 0.99 | (0.99 – 1.00) | 0.039 |
| Model 3‡ | 1.00 | (0.99 – 1.00) | 0.404 |
| CHD, n | 1,309 | | |
| Persons-years | 269418 | | |
| Unadjusted Model | 0.99 | (0.98 – 1.00) | 0.002 |
| Model 1* | 0.99 | (0.99 – 1.00) | 0.047 |
| Model 2† | 0.99 | (0.99 – 1.00) | 0.070 |
| Model 3‡ | 1.00 | (0.99 – 1.00) | 0.350 |
| Total Stroke, n | 461 | | |
| Persons-years | 275323 | | |
| Unadjusted Model | 0.99 | (0.98 – 1.00) | 0.043 |
| Model 1* | 0.99 | (0.98 – 1.00) | 0.169 |
| Model 2† | 1.00 | (0.99 – 1.01) | 0.675 |
| Model 3‡ | 1.00 | (0.99 – 1.01) | 0.939 |
| Ischaemic stroke, n | 259 | | |
| Persons-years | 276059 | | |
| Unadjusted Model | 0.99 | (0.98 – 1.01) | 0.495 |
| Model 1* | 1.00 | (0.98 – 1.01) | 0.837 |
| Model 2† | 1.01 | (0.99 – 1.02) | 0.489 |
| Model 3‡ | 1.01 | (0.99 – 1.02) | 0.284 |
| Haemorrhagic stroke, n | 132 | | |
| Persons-years | 276958 | | |
| Unadjusted Model | 0.98 | (0.95 – 1.00) | 0.028 |
| Model 1* | 0.98 | (0.96 – 1.00) | 0.057 |
| Model 2† | 0.99 | (0.96 – 1.01) | 0.212 |
| Model 3‡ | 0.99 | (0.97 – 1.01) | 0.413 |

* Adjusted for age and sex.

† Adjusted for age, sex, educational level, smoking status, alcohol consumption, physical activity, and energy intake.

‡ Adjusted for age, sex, educational level, smoking status, alcohol consumption, physical activity, energy intake, BMI, hypertension, and total cholesterol levels.

HRs = Hazard Ratios

95% CI = 95% Confidence Intervals

PDI = Plant-based Diet Index

CVD = cardiovascular disease

CHD = coronary heart disease

Table S13. Correlation coefficients for the HRDea with mMED, HDI, and PDI.

| | Correlation Coefficient* |
|--------------|--------------------------|
| HRDea x mMED | $r = 0.38$ |
| HRDea x HDI | $r = 0.23$ |
| HRDea x PDI | $\rho = 0.35$ |

*Calculated using either Pearson's correlation coefficient (r), or Spearman's rank correlation (ρ)

HRDea = Energy-adjusted Healthy Reference Diet

mMED = modified Mediterranean Diet

HDI = Healthy Diet Indicator

PDI = Plant-based Diet Index

Table S14. Percent difference for the association between quartiles of the HRDea-score and environmental indicators, adjusted for age, sex, and energy intake (n=35,496).

| | Q4 vs Q1* | 95% CI |
|--|-----------|---------------|
| GHGE (kg CO ₂ -eq) | -2.4 | (-5.0, 0.2) |
| Land Use (m ² /y) | -3.9 | (-5.2, -2.6) |
| Blue water use (m ³ /d) | 32.1 | (28.5, 35.7) |
| Freshwater eutrophication (Kg P-eq) | -0.5 | (-2.6, 1.6) |
| Marine eutrophication (Kg N-eq) | -3.3 | (-5.8, -0.8) |
| Terrestrial acidification (Kg SO ₂ -eq) | -7.7 | (-10.8, -4.6) |

* Expressed in %

Q1 = first quartile

Q4 = fourth quartile

Kg CO₂-eq = kilograms of carbon dioxide equivalent

m² per year = square meters per year

m³ per day = cubic meters per year

Kg P-eq = kilograms of phosphorus equivalent

Kg N-eq = kilograms of nitrogen equivalent

Kg SO₂-eq = kilograms of sulphur dioxide equivalent

Figure S1. Flowchart of the study population.

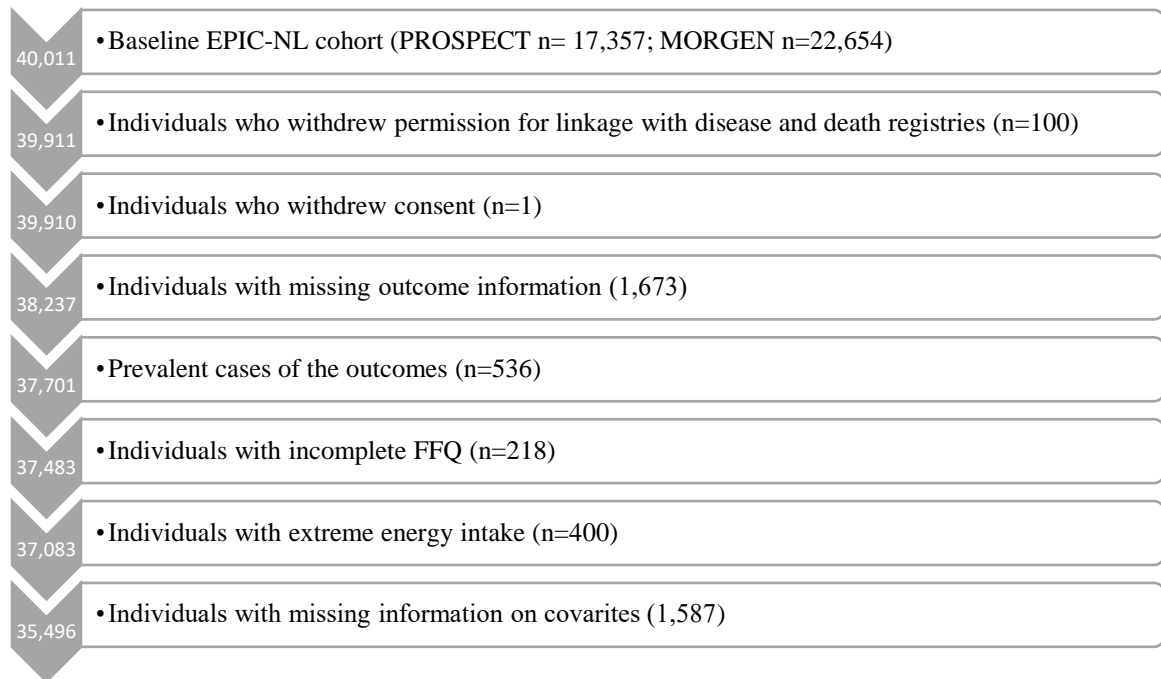
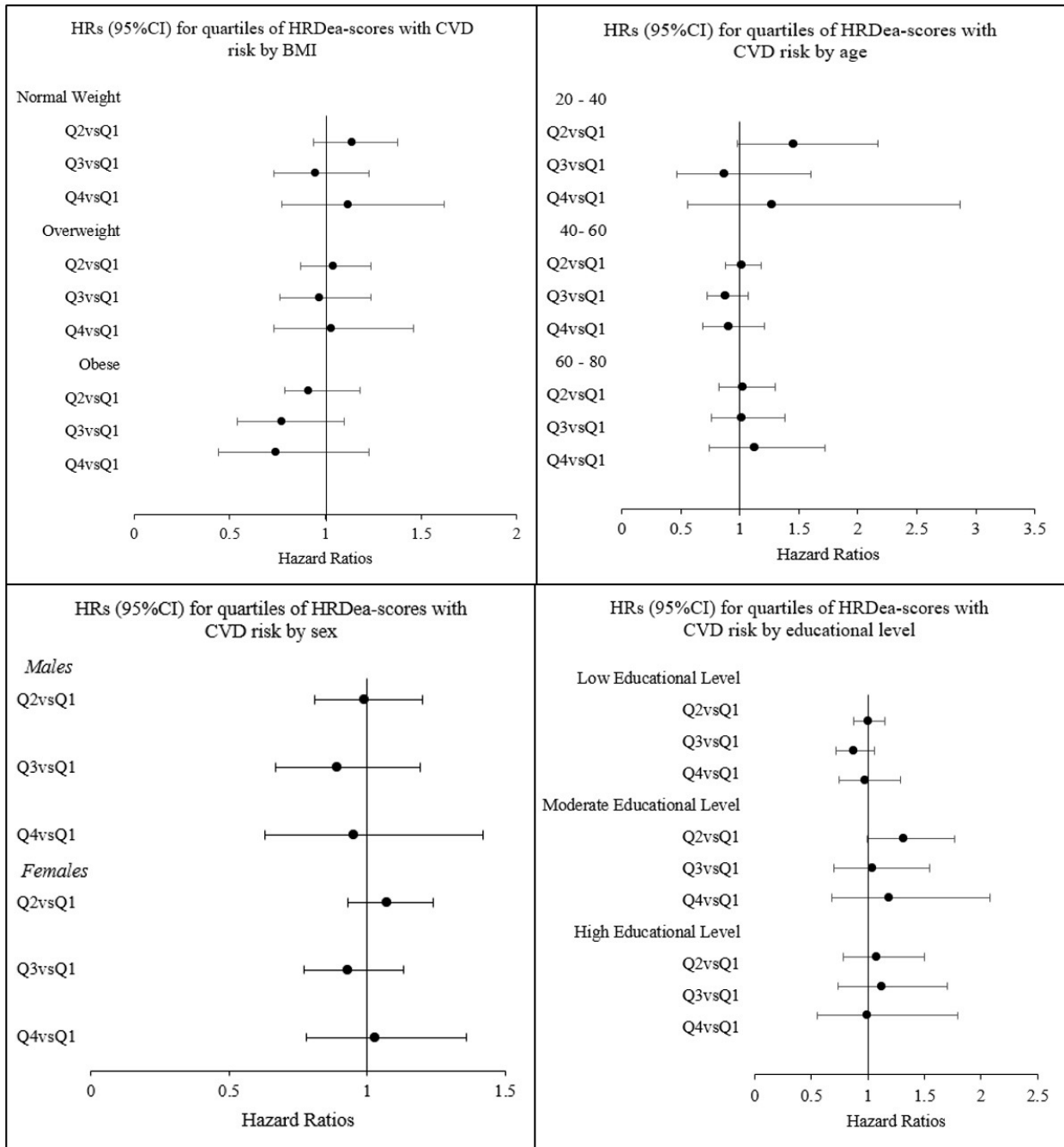
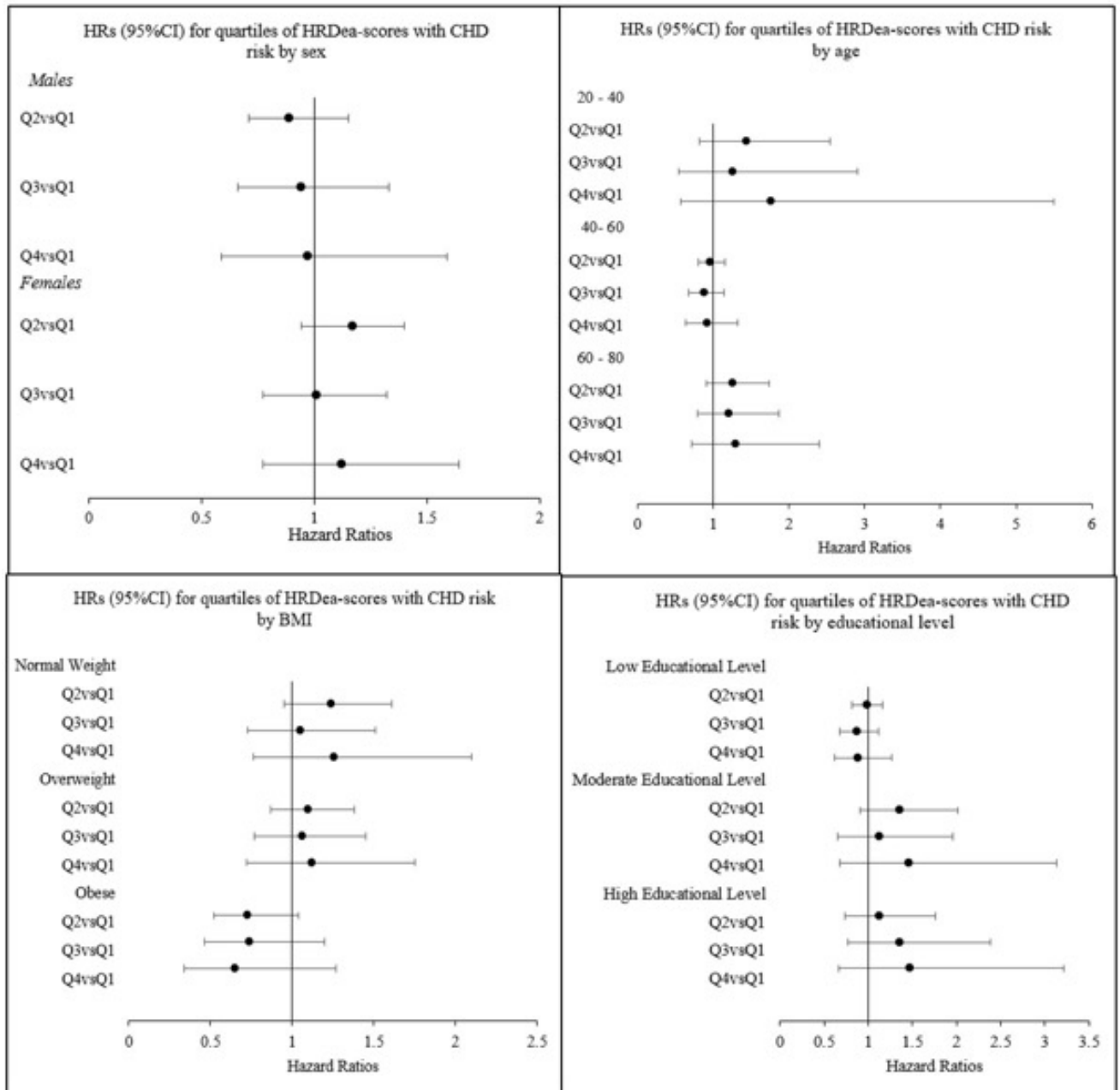


Figure S2. Hazard ratios (HRs) and 95% confidence intervals (CIs) for the association between HRDea-score and CVD, stratified by sex, age, BMI, and educational level.



HRs = Hazard Ratios
 95% CI = 95% confidence intervals
 HRDea-score = Energy-adjusted Healthy Reference Diet score
 CVD = cardiovascular disease
 BMI = Body Mass Index

Figure S3. Hazard ratios (HRs) and 95% confidence intervals (CIs) for the association between HRDea-score and CHD, stratified by sex, age, BMI, and educational level.



HRs = Hazard Ratios

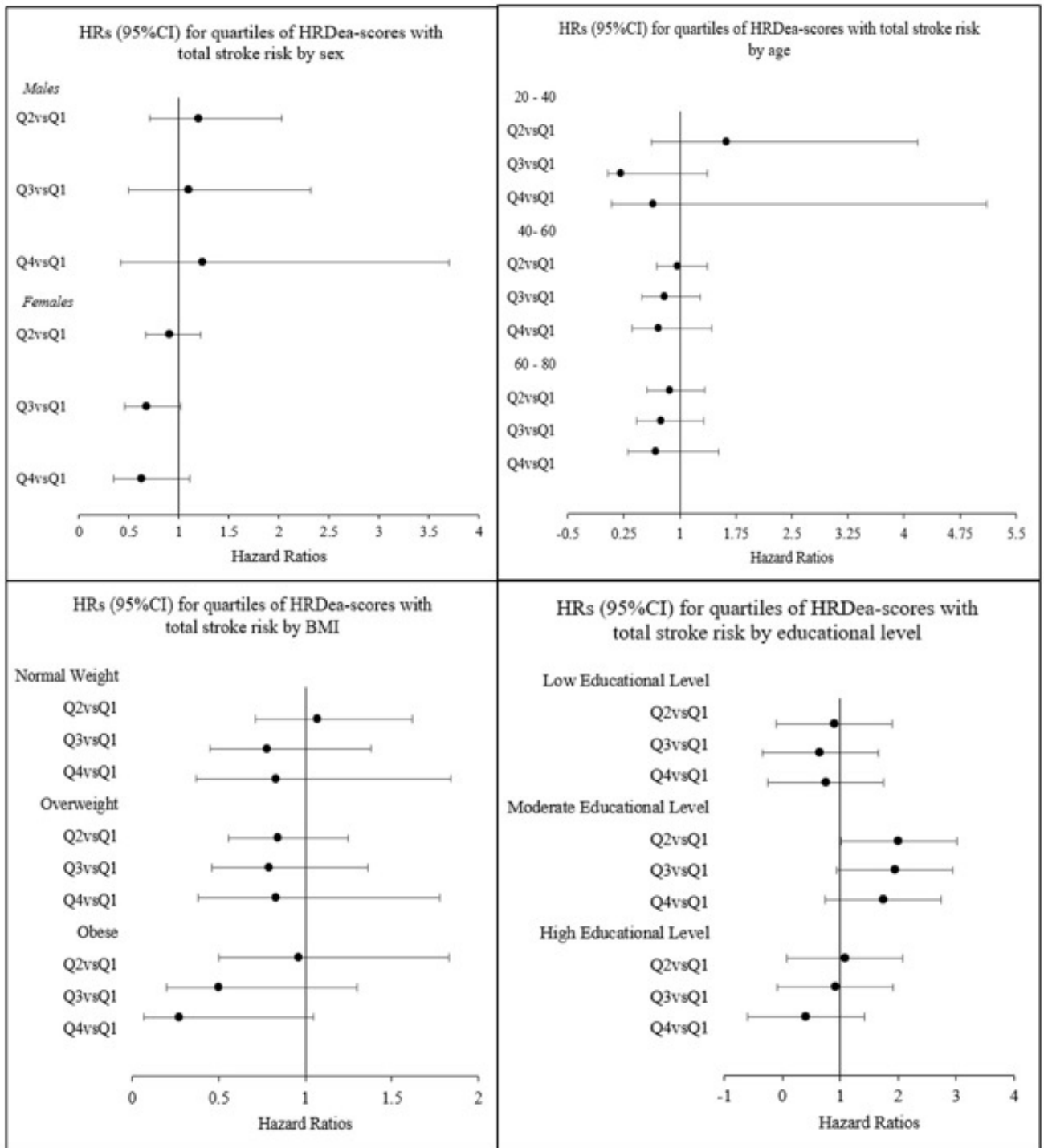
95% CI = 95% confidence intervals

HRDea-score = Energy-adjusted Healthy Reference Diet score

CHD = coronary heart disease

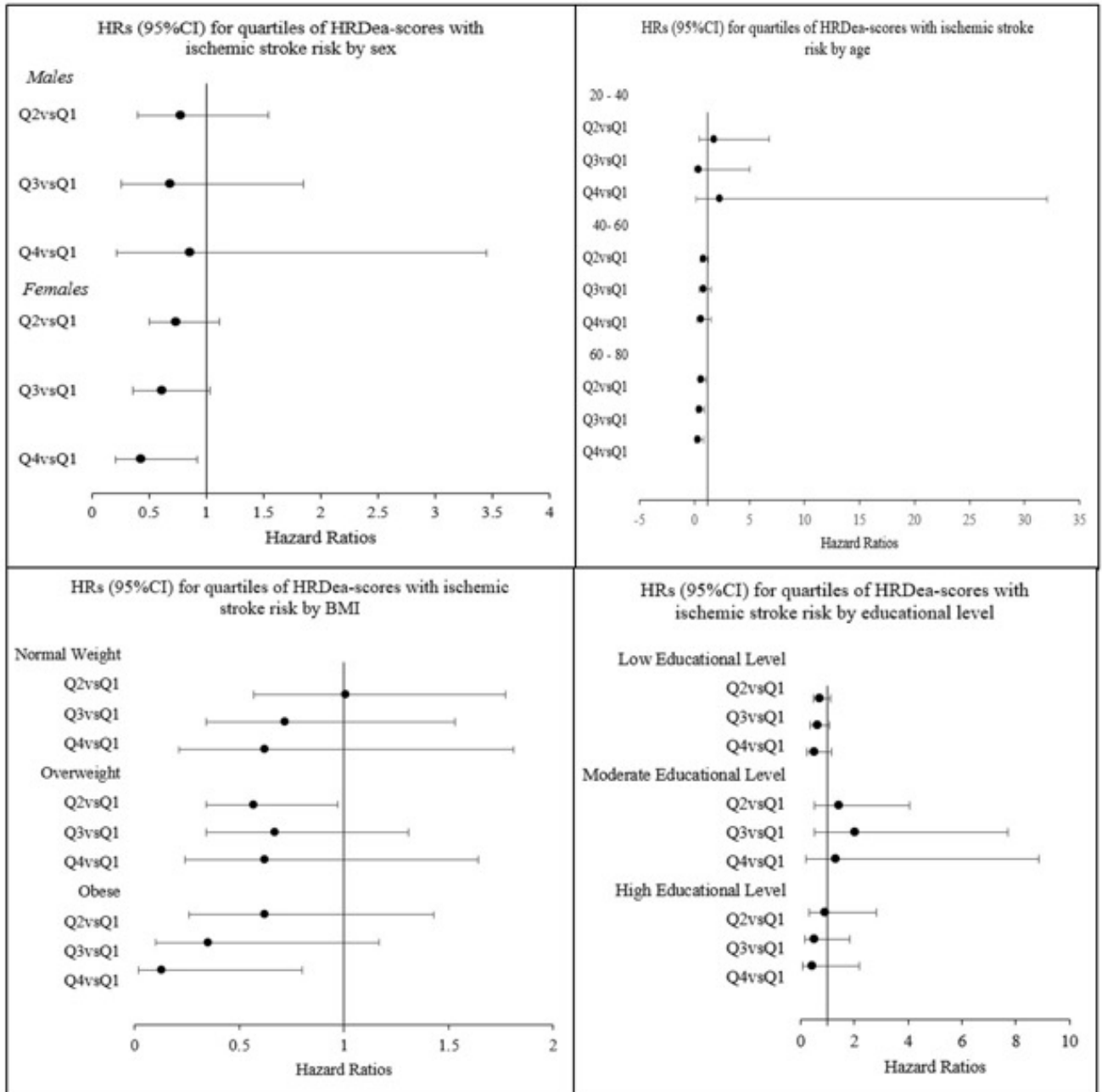
BMI = Body Mass Index

Figure S4. Hazard ratios (HRs) and 95% confidence intervals (CIs) for the association between HRDea-score and total stroke, stratified by sex, age, BMI, and educational level.



HRs = Hazard Ratios
 95% CI = 95% confidence intervals
 HRDea-score = Energy-adjusted Healthy Reference Diet score
 BMI = Body Mass Index

Figure S5. Hazard ratios (HRs) and 95% confidence intervals (CIs) for the association between HRDea-score and ischemic stroke, stratified by sex, age, BMI, and educational level.



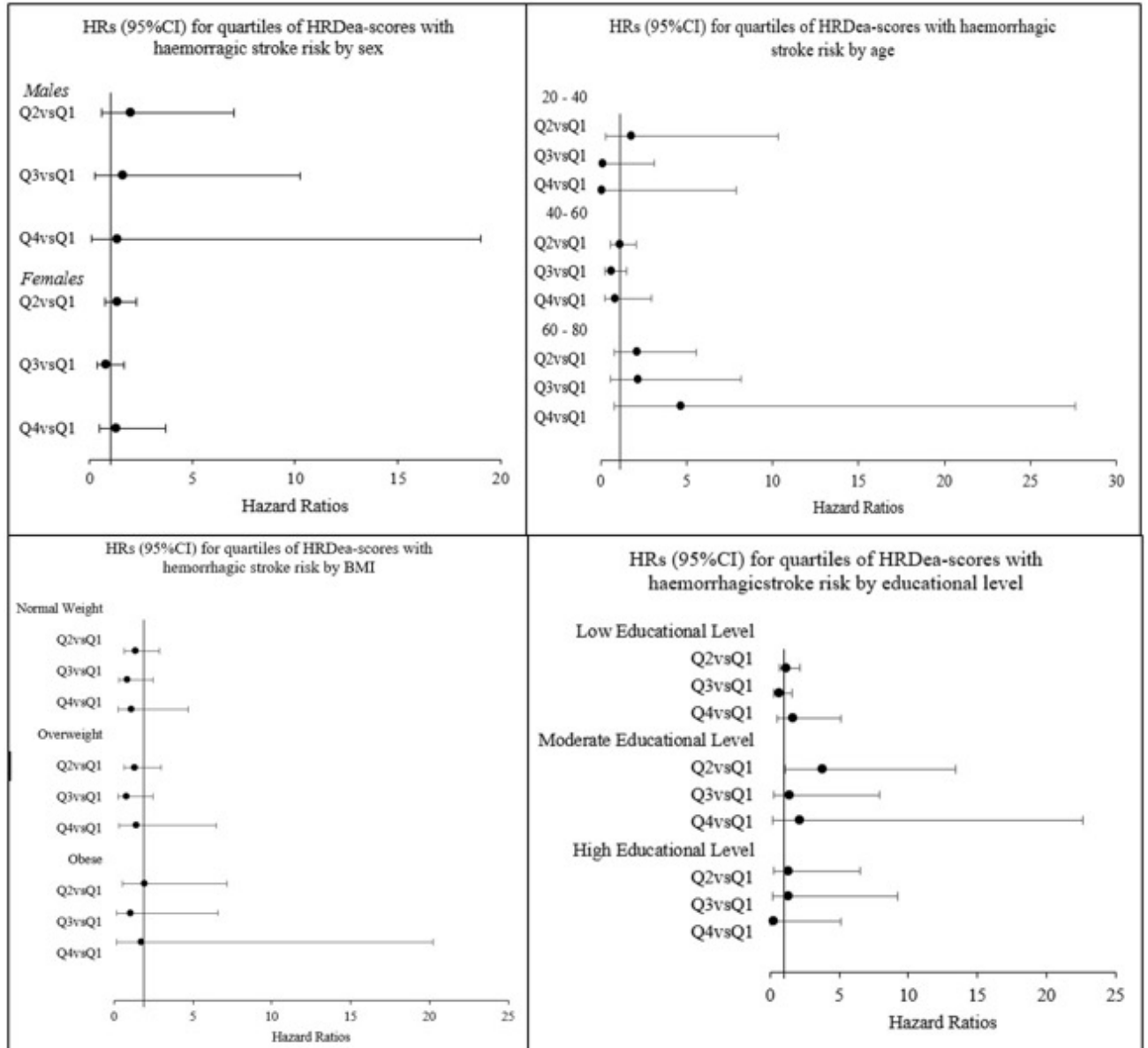
HRs = Hazard Ratios

95% CI = 95% confidence intervals

HRDea-score = Energy-adjusted Healthy Reference Diet score

BMI = Body Mass Index

Figure S6. Hazard ratios (HRs) and 95% confidence intervals (CIs) for the association between HRDea-score and haemorrhagic stroke, stratified by sex, age, BMI, and educational level.



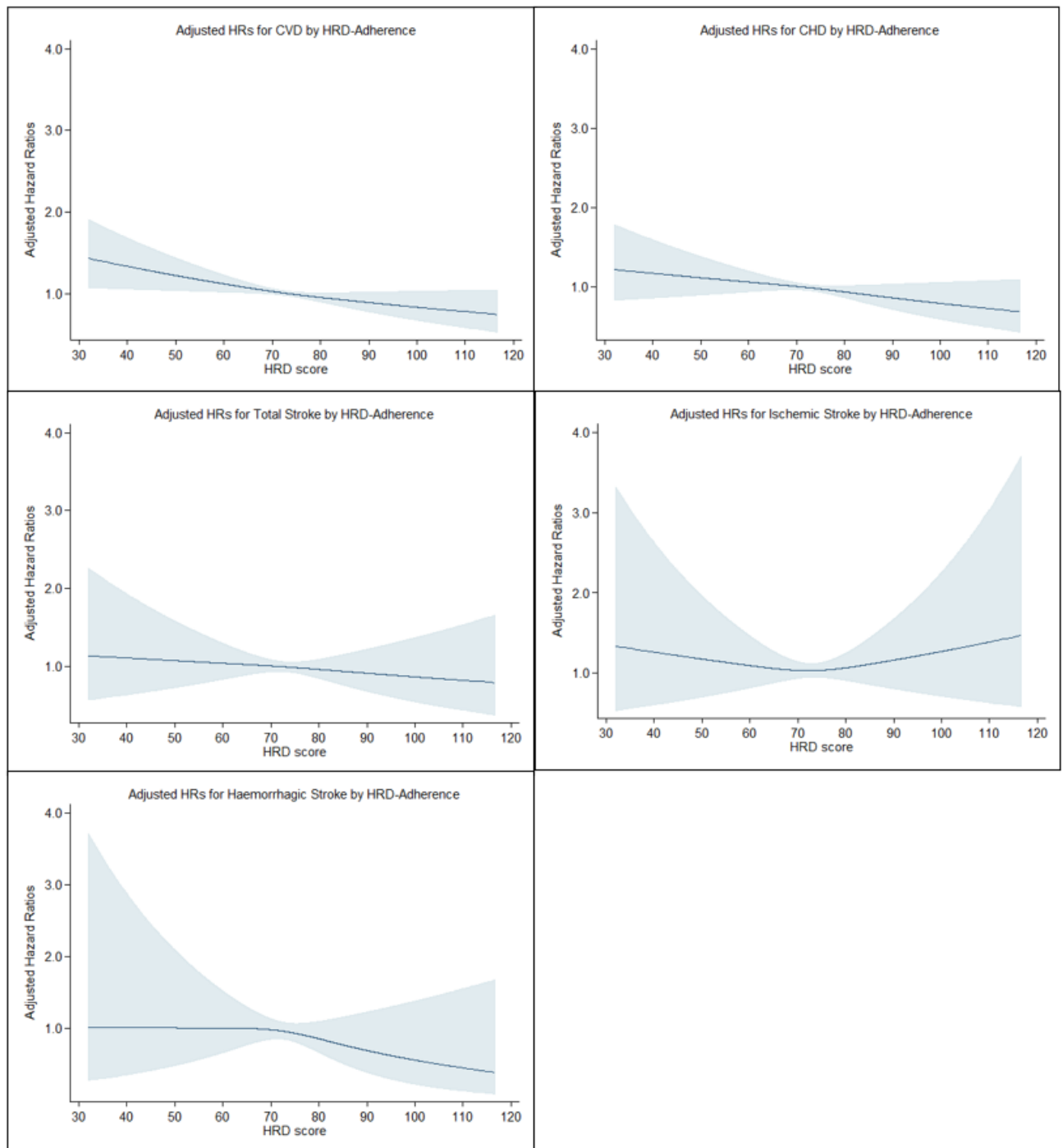
HRs = Hazard Ratios

95% CI = 95% confidence intervals

HRDea-score = Energy-adjusted Healthy Reference Diet score

BMI = Body Mass Index

Figure S7. Hazard ratios (HRs) and 95% confidence intervals (CIs) for the association between HRDea-score and CVD, CHD, total stroke, ischemic stroke, and haemorrhagic stroke, using restricted cubic splines.



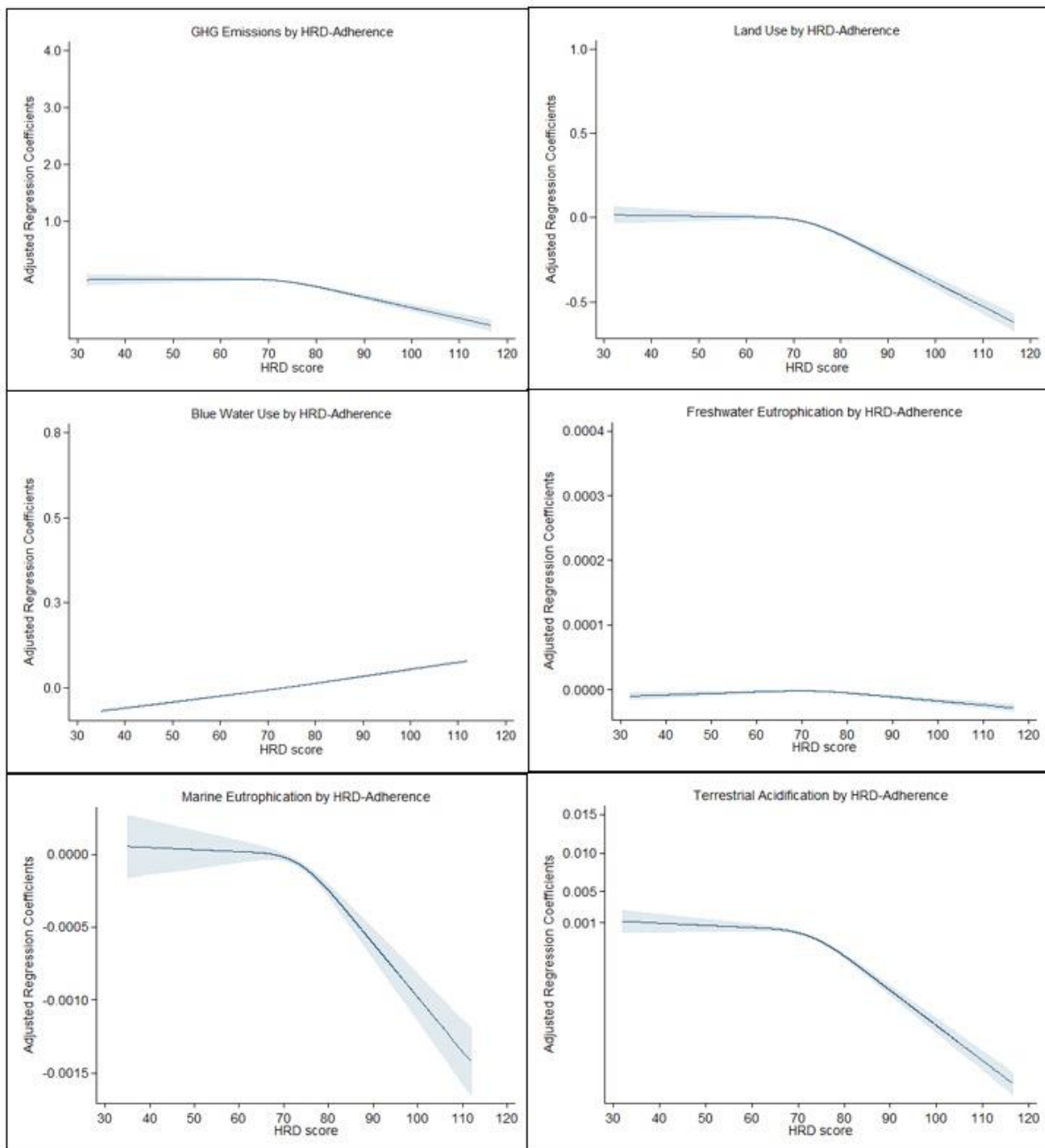
95% CI = 95% confidence intervals

HRDea-score = Energy-adjusted Healthy Reference Diet score

CVD = cardiovascular disease

CHD = coronary heart disease

Figure S8. Regression coefficients and 95% CI for the associations between HRDea-score and greenhouse gas emissions, land use, blue water use, freshwater use, marine eutrophication, and terrestrial acidification, using restricted cubic splines.



95% CI = 95% confidence intervals

HRDea-score = Energy-adjusted Healthy Reference Diet score

GHG = Greenhouse Gas