**Supplementary table S1.** Association between lard, butter, margarine and vegetable oil availability and self-reported CVD or death after excluding participants who died or reported CVD in the first two years of follow-up (n=6402)

| Outcome                  | Food product | Availability | n outcome per 1000 person-years | OR (95%CI) |
|--------------------------|--------------|--------------|---------------------------------|------------|
| Combined CVD incidence and all-cause mortality | Lard         | No           | 1423/71.9                       | 1.00 (ref.) |
|                          |              | Low          | 69/3.5                          | 1.09 (0.85-1.40) |
|                          |              | High         | 79/2.5                          | 1.33 (1.07-1.65) |
|                          | Butter       | No           | 959/48.0                        | 1.00 (ref.) |
|                          |              | Low          | 302/16.6                        | 1.07 (0.93-1.23) |
|                          |              | High         | 310/13.4                        | 1.04 (0.91-1.19) |
|                          | Margarine    | No           | 1382/68.0                       | 1.00 (ref.) |
|                          |              | Low          | 113/6.5                         | 1.06 (0.85-1.31) |
|                          |              | High         | 76/3.4                          | 1.04 (0.85-1.26) |
|                          | Vegetable oil| No           | 1110/57.7                       | 1.00 (ref.) |
|                          |              | Low          | 221/10.0                        | 1.15 (0.99-1.33) |
|                          |              | High         | 240/10.2                        | 0.96 (0.83-1.11) |
| CVD incidence            | Lard         | No           | 620/71.9                        | 1.00 (ref.) |
|                          |              | Low          | 30/3.5                          | 1.12 (0.78-1.61) |
|                          |              | High         | 39/2.5                          | 1.51 (1.07-2.12) |
|                          | Butter       | No           | 420/48.0                        | 1.00 (ref.) |
|                          |              | Low          | 120/16.6                        | 0.97 (0.79-1.20) |
|                          |              | High         | 149/13.4                        | 1.09 (0.90-1.33) |
|                          | Margarine    | No           | 608/68.0                        | 1.00 (ref.) |
|                          |              | Low          | 46/6.5                          | 0.91 (0.68-1.23) |
|                          |              | High         | 35/3.4                          | 1.15 (0.81-1.64) |
|                          | Vegetable oil| No           | 484/57.7                        | 1.00 (ref.) |
|                          |              | Low          | 87/10.0                         | 1.04 (0.82-1.31) |
|                          |              | High         | 118/10.2                        | 1.05 (0.85-1.29) |
| All-cause mortality      | Lard         | No           | 975/75.3                        | 1.00 (ref.) |
|                          |              | Low          | 44/3.6                          | 1.02 (0.76-1.37) |
|                          |              | High         | 48/2.7                          | 1.14 (0.88-1.48) |
|                          | Butter       | No           | 651/50.3                        | 1.00 (ref.) |
|                          |              | Low          | 223/17.2                        | 1.19 (1.02-1.40) |
|                          |              | High         | 193/14.2                        | 0.98 (0.83-1.15) |
|                          | Margarine    | No           | 939/71.3                        | 1.00 (ref.) |
|                          |              | Low          | 81/6.7                          | 1.07 (0.85-1.36) |
|                          |              | High         | 47/3.6                          | 1.03 (0.80-1.33) |
|                          | Vegetable oil| No           | 754/60.3                        | 1.00 (ref.) |
|                          |              | Low          | 162/10.5                        | 1.24 (1.04-1.48) |
|                          |              | High         | 151/10.9                        | 0.90 (0.76-1.07) |

All ORs are adjusted for age, sex, education, smoking and alcohol intake frequency. The four dietary fats/oils were also adjusted for each other.
**Supplementary table S2** Association between lard, butter, margarine and vegetable oil availability and self-reported cardiovascular disease or death after adjustment for further baseline characteristics of participants (n=5833)

| Food product | Availability | n CVD or death/1000 person-years | model 1 | model 2 | model 3 | model 4 |
|--------------|--------------|-------------------------------|---------|---------|---------|---------|
|              |              | OR (95%CI)                     | OR (95%CI) | OR (95%CI) | OR (95%CI) | OR (95%CI) |
| Lard         | No           | 1426/64.4                     | 1.00 (ref.) | 1.00 (ref.) | 1.00 (ref.) | 1.00 (ref.) |
|              | Low          | 52/2.5                        | 1.05 (0.83-1.33) | 1.08 (0.85-1.38) | 1.07 (0.84-1.37) | 1.10 (0.86-1.41) |
|              | High         | 101/3.0                       | 1.27 (1.01-1.60) | 1.30 (1.03-1.64) | 1.28 (1.02-1.61) | 1.30 (1.03-1.65) |
| Butter       | No           | 963/42.7                      | 1.00 (ref.) | 1.00 (ref.) | 1.00 (ref.) | 1.00 (ref.) |
|              | Low          | 357/17.3                      | 1.03 (0.90-1.18) | 1.02 (0.90-1.18) | 1.02 (0.90-1.16) | 1.02 (0.89-1.17) |
|              | High         | 259/9.9                       | 1.02 (0.89-1.16) | 1.03 (0.90-1.18) | 1.02 (0.89-1.16) | 1.02 (0.89-1.17) |
| Margarine    | No           | 1378/60.7                     | 1.00 (ref.) | 1.00 (ref.) | 1.00 (ref.) | 1.00 (ref.) |
|              | Low          | 173/7.4                       | 1.02 (0.84-1.23) | 1.03 (0.85-1.25) | 1.04 (0.85-1.26) | 1.04 (0.86-1.27) |
|              | High         | 28/1.7                        | 1.19 (0.93-1.51) | 1.23 (0.96-1.57) | 1.21 (0.94-1.55) | 1.19 (0.92-1.53) |
| Vegetable oil| No           | 1110/51.5                     | 1.00 (ref.) | 1.00 (ref.) | 1.00 (ref.) | 1.00 (ref.) |
|              | Low          | 163/6.4                       | 1.14 (0.98-1.33) | 1.10 (0.94-1.28) | 1.11 (0.95-1.29) | 1.12 (0.96-1.30) |
|              | High         | 306/12.0                      | 0.93 (0.80-1.08) | 0.94 (0.81-1.09) | 0.95 (0.82-1.10) | 0.94 (0.81-1.09) |

Model 1: adjusted for age and sex
Model 2: in addition to model 1, further adjusted for education, smoking, alcohol intake, and the four dietary fats/oils for each other
Model 3: in addition to model 2, further adjusted for BMI
Model 4: in addition to model 3, further adjusted marital status, income quartiles, self-reported health, self-reported diabetes and geographical site of data collection