| Food groups ${ }^{\text {\# }}$ | Total | Dietary Patterns |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 'Prudent' tertiles |  |  | 'Non-Healthy' tertiles |  |  | 'Dressings and sweetened-low-fat dairy' tertiles |  |  | 'Polish-aMED' levels |  |  |
|  |  | bottom | middle | upper | bottom | middle | upper | bottom | middle | upper | low | average | high |
| Size ( n ) | 560 | 186 | 188 | 186 | 187 | 187 | 186 | 186 | 187 | 187 | 113 | 278 | 169 |
| Sugar, honey and sweets | $\begin{aligned} & 2.1 \\ & (2.0 ; 2.2) \end{aligned}$ | $\begin{aligned} & 2.1 \\ & (1.9 ; 2.3) \end{aligned}$ | $\begin{aligned} & \hline 2.1 \\ & (1.9 ; 2.3) \end{aligned}$ | $\begin{aligned} & 2.0 \\ & (1.8 ; 2.2) \end{aligned}$ | $\begin{aligned} & \hline 1.3 \\ & (1.2 ; 1.5) \end{aligned}$ | $\begin{aligned} & 1.9 \\ & (1.7 ; 2.0) \end{aligned}$ | $\begin{aligned} & \hline 3.0 \\ & (2.8 ; 3.2) \end{aligned}$ | $\begin{aligned} & 1.9 \\ & (1.8 ; 2.1) \end{aligned}$ | $\begin{aligned} & \hline 2.1 \\ & (1.9 ; 2.2) \end{aligned}$ | $\begin{aligned} & \hline 2.2 \\ & (2.0 ; 2.4) \end{aligned}$ | $\begin{aligned} & 2.2 \\ & (2.0 ; 2.5) \end{aligned}$ | $\begin{aligned} & 2.1 \\ & (1.9 ; 2.2) \end{aligned}$ | $\begin{aligned} & 1.9 \\ & (1.7 ; 2.1) \end{aligned}$ |
| Red and processed meats | $\begin{aligned} & 1.5 \\ & (1.4 ; 1.6) \end{aligned}$ | $\begin{aligned} & 1.3 \\ & (1.2 ; 1.5) \end{aligned}$ | $\begin{aligned} & 1.5 \\ & (1.4 ; 1.6) \end{aligned}$ | $\begin{aligned} & 1.6 \\ & (1.5 ; 1.7) \end{aligned}$ | $\begin{aligned} & 1.0 \\ & (0.9 ; 1.1) \end{aligned}$ | $\begin{aligned} & 1.5 \\ & (1.4 ; 1.6) \end{aligned}$ | $\begin{aligned} & 2.0 \\ & (1.9 ; 2.1) \end{aligned}$ | $\begin{aligned} & 1.5 \\ & (1.4 ; 1.7) \end{aligned}$ | $\begin{aligned} & 1.4 \\ & (1.2 ; 1.5) \end{aligned}$ | $\begin{aligned} & 1.5 \\ & (1.4 ; 1.7) \end{aligned}$ | $\begin{aligned} & 1.5 \\ & (1.3 ; 1.6) \end{aligned}$ | $\begin{aligned} & 1.6 \\ & (1.5 ; 1.7) \end{aligned}$ | $\begin{aligned} & 1.2 \\ & (1.1 ; 1.4) \end{aligned}$ |
| Animal fats | $\begin{aligned} & 1.2 \\ & (1.1 ; 1.3) \end{aligned}$ | $\begin{aligned} & 1.0 \\ & (0.9 ; 1.2) \end{aligned}$ | $\begin{aligned} & 1.2 \\ & (1.1 ; 1.4) \end{aligned}$ | $\begin{aligned} & 1.3 \\ & (1.2 ; 1.4) \end{aligned}$ | $\begin{aligned} & 0.7 \\ & (0.6 ; 0.8) \end{aligned}$ | $\begin{aligned} & 1.1 \\ & (1.0 ; 1.2) \end{aligned}$ | $\begin{aligned} & 1.7 \\ & (1.6 ; 1.9) \end{aligned}$ | $\begin{aligned} & 1.9 \\ & (1.8 ; 2.0) \end{aligned}$ | $\begin{aligned} & 1.1 \\ & (1.0 ; 1.2) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.5 ; 0.6) \end{aligned}$ | $\begin{aligned} & 1.2 \\ & (1.1 ; 1.4) \end{aligned}$ | $\begin{aligned} & 1.3 \\ & (1.2 ; 1.4) \end{aligned}$ | $\begin{aligned} & 0.9 \\ & (0.8 ; ~) 1.0 \end{aligned}$ |
| Milk, fermented milk drinks and curd cheese | $\begin{aligned} & 1.0 \\ & (0.9 ; 1.0) \end{aligned}$ | $\begin{aligned} & 0.6 \\ & (0.5 ; 0.6) \end{aligned}$ | $\begin{aligned} & 1.0 \\ & (0.9 ; 1.1) \end{aligned}$ | $\begin{aligned} & 1.4 \\ & (1.3 ; 1.5) \end{aligned}$ | $\begin{aligned} & 0.9 \\ & (0.9 ; 1.0) \end{aligned}$ | $\begin{aligned} & 1.0 \\ & (0.9 ; 1.1) \end{aligned}$ | $\begin{aligned} & 1.0 \\ & (0.9 ; 1.1) \end{aligned}$ | $\begin{aligned} & 0.8 \\ & (0.7 ; 0.9) \end{aligned}$ | $\begin{aligned} & 1.0 \\ & (0.9 ; 1.1) \end{aligned}$ | $\begin{aligned} & 1.2 \\ & (1.1 ; 1.3) \end{aligned}$ | $\begin{aligned} & 0.7 \\ & (0.6 ; 0.8) \end{aligned}$ | $\begin{aligned} & 1.0 \\ & (0.9 ; 1.0) \end{aligned}$ | $\begin{aligned} & 1.2 \\ & (1.1 ; 1.3) \end{aligned}$ |
| Refined grains | $\begin{aligned} & 1.0 \\ & (1.0 ; 1.1) \end{aligned}$ | $\begin{aligned} & 1.3 \\ & (1.1 ; 1.4) \end{aligned}$ | $\begin{aligned} & 1.0 \\ & (0.9 ; 1.1) \end{aligned}$ | $\begin{aligned} & 0.9 \\ & (0.7 ; 1.0) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 1.0 \\ & (0.9 ; 1.1) \end{aligned}$ | $\begin{aligned} & 1.7 \\ & (1.6 ; 1.8) \end{aligned}$ | $\begin{aligned} & 1.0 \\ & (0.9 ; 1.1) \end{aligned}$ | $\begin{aligned} & 1.0 \\ & (0.9 ; 1.1) \end{aligned}$ | $\begin{aligned} & 1.1 \\ & (1.0 ; 1.2) \end{aligned}$ | $\begin{aligned} & 1.3 \\ & (1.2 ; 1.4) \end{aligned}$ | $\begin{aligned} & 1.1 \\ & (1.0 ; 1.2) \end{aligned}$ | $\begin{aligned} & 0.7 \\ & (0.6 ; 0.8) \end{aligned}$ |
| Vegetables | $\begin{aligned} & 1.0 \\ & (1.0 ; 1.1) \end{aligned}$ | $\begin{aligned} & 0.7 \\ & (0.6 ; 0.8) \end{aligned}$ | $\begin{aligned} & 1.0 \\ & (0.9 ; 1.1) \end{aligned}$ | $\begin{aligned} & 1.4 \\ & (1.3 ; 1.4) \end{aligned}$ | $\begin{aligned} & 1.1 \\ & (1.0 ; 1.1) \end{aligned}$ | $\begin{aligned} & 1.0 \\ & (0.9 ; 1.1) \end{aligned}$ | $\begin{aligned} & 1.0 \\ & (0.9 ; 1.1) \end{aligned}$ | $\begin{aligned} & 1.0 \\ & (0.9 ; 1.1) \end{aligned}$ | $\begin{aligned} & 1.0 \\ & (1.0 ; 1.1) \end{aligned}$ | $\begin{aligned} & 1.0 \\ & (0.9 ; 1.1) \end{aligned}$ | $\begin{aligned} & 0.6 \\ & (0.5 ; 0.7) \end{aligned}$ | $\begin{aligned} & 1.0 \\ & (1.0 ; 1.1) \end{aligned}$ | $\begin{aligned} & 1.3 \\ & (1.2 ; 1.4) \end{aligned}$ |
| Fruits | $\begin{aligned} & 0.9 \\ & (0.8 ; 0.9) \end{aligned}$ | $\begin{aligned} & 0.6 \\ & (0.5 ; 0.7) \end{aligned}$ | $\begin{aligned} & 0.9 \\ & (0.8 ; 0.9) \end{aligned}$ | $\begin{aligned} & 1.2 \\ & (1.1 ; 1.2) \end{aligned}$ | $\begin{aligned} & 0.9 \\ & (0.8 ; 1.0) \end{aligned}$ | $\begin{aligned} & 0.8 \\ & (0.7 ; 0.9) \end{aligned}$ | $\begin{aligned} & 0.9 \\ & (0.8 ; 1.0) \end{aligned}$ | $\begin{aligned} & 0.9 \\ & (0.9 ; 1.0) \end{aligned}$ | $\begin{aligned} & 0.8 \\ & (0.8 ; 0.9) \end{aligned}$ | $\begin{aligned} & 0.9 \\ & (0.8 ; 0.9) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.5 ; 0.6) \end{aligned}$ | $\begin{aligned} & 0.9 \\ & (0.8 ; 0.9) \end{aligned}$ | $\begin{aligned} & 1.1 \\ & (1.1 ; 1.2) \end{aligned}$ |
| Whole grains | $\begin{aligned} & 0.7 \\ & (0.7 ; 0.8) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.7 \\ & (0.6 ; 0.7) \end{aligned}$ | $\begin{aligned} & 1.1 \\ & (1.0 ; 1.2) \end{aligned}$ | $\begin{aligned} & 1.0 \\ & (0.9 ; 1.1) \end{aligned}$ | $\begin{aligned} & 0.7 \\ & (0.6 ; 0.8) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.3 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.8 \\ & (0.7 ; 0.9) \end{aligned}$ | $\begin{aligned} & 0.7 \\ & (0.6 ; 0.8) \end{aligned}$ | $\begin{aligned} & 0.7 \\ & (0.6 ; 0.8) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.7 \\ & (0.6 ; 0.7) \end{aligned}$ | $\begin{aligned} & 1.1 \\ & (1.0 ; 1.2) \end{aligned}$ |
| Potatoes | $\begin{aligned} & 0.6 \\ & (0.6 ; 0.7) \end{aligned}$ | $\begin{aligned} & 0.7 \\ & (0.6 ; 0.7) \end{aligned}$ | $\begin{aligned} & 0.6 \\ & (0.6 ; 0.7) \end{aligned}$ | $\begin{aligned} & 0.6 \\ & (0.6 ; 0.7) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.7 \\ & (0.6 ; 0.7) \end{aligned}$ | $\begin{aligned} & 0.8 \\ & (0.8 ; 0.9) \end{aligned}$ | $\begin{aligned} & 0.6 \\ & (0.6 ; 0.7) \end{aligned}$ | $\begin{aligned} & 0.6 \\ & (0.6 ; 0.7) \end{aligned}$ | $\begin{aligned} & 0.7 \\ & (0.6 ; 0.7) \end{aligned}$ | $\begin{aligned} & 0.7 \\ & (0.6 ; 0.7) \end{aligned}$ | $\begin{aligned} & 0.7 \\ & (0.6 ; 0.7) \end{aligned}$ | $\begin{aligned} & 0.6 \\ & (0.5 ; 0.6) \end{aligned}$ |
| Vegetable oils | $\begin{aligned} & 0.6 \\ & (0.6 ; 0.6) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.6 \\ & (0.6 ; 0.7) \end{aligned}$ | $\begin{aligned} & 0.8 \\ & (0.7 ; 0.8) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.6 \\ & (0.6 ; 0.7) \end{aligned}$ | $\begin{aligned} & 0.7 \\ & (0.6 ; 0.7) \end{aligned}$ | $\begin{aligned} & 0.6 \\ & (0.6 ; 0.7) \end{aligned}$ | $\begin{aligned} & 0.6 \\ & (0.5 ; 0.6) \end{aligned}$ | $\begin{aligned} & 0.6 \\ & (0.5 ; 0.6) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.3 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.6 \\ & (0.5 ; 0.6) \end{aligned}$ | $\begin{aligned} & 0.7 \\ & (0.7 ; 0.8) \end{aligned}$ |
| Other edible fats | $\begin{aligned} & 0.5 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.4 ; 0.6) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.3 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.4 ; 0.6) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.4 ; 0.6) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.1 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 1.1 \\ & (1.0 ; 1.2) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.3 ; 0.6) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.4 ; 0.6) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.3 ; 0.5) \end{aligned}$ |
| Cheese | $\begin{aligned} & 0.4 \\ & (0.4 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.4 ; 0.6) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.4 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.2 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.4 ; 0.5) \end{aligned}$ |
| White meat | $\begin{aligned} & 0.4 \\ & (0.4 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.5 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.5 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.4 ; 0.5) \end{aligned}$ |
| Juices | $\begin{aligned} & 0.4 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.7 \\ & (0.6 ; 0.8) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.3 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.6 \\ & (0.5 ; 0.7) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.3 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.3 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.4 ; 0.6) \end{aligned}$ |
| Eggs | $\begin{aligned} & 0.3 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.2 ; 0.2) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.4 ; 0.5) \end{aligned}$ |
| Sweetened milk drinks and flavored homogenized cheese | $\begin{aligned} & 0.3 \\ & (0.3 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.1 ; 0.2) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.3 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.1 ; 0.2) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.2 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.3 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.1 ; 0.2) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.2 ; 0.4) \end{aligned}$ |
| Fish | $\begin{aligned} & 0.3 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.1 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.1 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.3 ; 0.5) \end{aligned}$ |
| Nuts and seeds | $\begin{aligned} & 0.2 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.0 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.1 ; 0.2) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.4 ; 0.5) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.1 ; 0.2) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.1 ; 0.2) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.2 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.1 ; 0.2) \end{aligned}$ | $\begin{aligned} & 0.0 \\ & (0.0 ; 0.0) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.1 ; 0.2) \end{aligned}$ | $\begin{aligned} & 0.5 \\ & (0.4 ; 0.5) \end{aligned}$ |
| Legumes | $\begin{aligned} & 0.2 \\ & (0.2 ; 0.2) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.1 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.1 ; 0.2) \end{aligned}$ | $\begin{aligned} & 0.4 \\ & (0.3 ; 0.4) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.1 ; 0.2) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.1 ; 0.2) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.1 ; 0.2) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.1 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.2 ; 0.2) \end{aligned}$ | $\begin{aligned} & 0.3 \\ & (0.3 ; 0.4) \end{aligned}$ |
| Cereals | $\begin{aligned} & 0.1 \\ & (0.1 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.0 \\ & (0.0 ; 0.0) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.1 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.2 ; 0.3) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.1 ; 0.2) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.1 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.1 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.0 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.1 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.1 ; 0.2) \end{aligned}$ | $\begin{aligned} & 0.0 \\ & (0.0 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.1 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.1 ; 0.2) \end{aligned}$ |
| Sweetened beverages and energy drinks | $\begin{aligned} & 0.1 \\ & (0.1 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.0 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.1 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.1 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.0 \\ & (0.0 ; 0.0) \end{aligned}$ | $\begin{aligned} & 0.0 \\ & (0.0 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.2 \\ & (0.1 ; 0.2) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.1 ; 0.2) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.1 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.0 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.0 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.1 ; 0.1) \end{aligned}$ | $\begin{aligned} & 0.1 \\ & (0.0 ; 0.1) \end{aligned}$ |

'Polish-aMED' - 'Polish-adapted Mediterranean Diet' (range of points: 0-8), levels (in points): ‘low' (0-2), 'average' (3-5), 'high' (6-8); "the frequency consumption was expressed as a times/day after assigning the values for categories of frequency consumption as follows: 'never or almost never' $=0$; 'once a month or less' $=0.025$; 'several times a month' $=0.1$; 'several times a week' $=0.571$; 'daily' $=1$; 'several times a day' $=2$; $95 \% \mathrm{Cl}-95 \%$ confidence interval.

Table S2. Potential confounders in the pooled analysis of two Polish case-control studies

| Confounders | Response categories |  | Scoring |
| :---: | :---: | :---: | :---: |
| Socioeconomic status (SES) after combining data based on SES' single factors | low |  | 1 |
|  | average |  | 2 |
|  | high |  | 3 |
| SES' single factors |  |  |  |
| Place of residence | village |  | 1 |
|  | town <20,000 inhabitants |  | 2 |
|  | town 20,000-100,000 inhabitants |  | 3 |
|  | city >100,000 inhabitants |  | 4 |
| Educational level | primary |  | 1 |
|  | secondary |  | 2 |
|  | higher |  | 3 |
| Economic situation (self-declared) | below the average |  | 1 |
|  | average |  | 2 |
|  | above average |  | 3 |
| Physical activity at work[39] |  | more than 70\% of working time spent sedentary or retired | 1 |
|  | moderate | approx. 50\% of working time spent sedentary and 50\% of working time spent in an active manner | 2 |
|  | high | approx. $70 \%$ of working time spent in an active manner or physical work related to great exertion | 3 |
| Physical activity in leisure time[39] | low | sedentary for most of the time, watching TV, reading books, walking 1-2 hours per week | 1 |
|  | moderate | walking, bike riding, gymnastics, gardening, light physical activity performed 2-3 hours per week | 2 |
|  | high | bike riding, jogging, gardening, sport activities involving physical exertion performed more than 3 hours weekly | 3 |
| Overall physical activity | low |  | 1 |


| after combining data based on physical activity at work and physical activity in leisure time (Table S2) | moderate |  | 2 |
| :---: | :---: | :---: | :---: |
|  | high |  | 3 |
| Abuse of alcohol [6] | no |  | 1 |
|  | yes | intake at least 1 bottle ( 0.5 liters) of beer or 2 glasses of wine ( 300 ml ) or 2 drinks ( 300 ml ) or 2 glasses of vodka ( 60 ml ) per day | 2 |
| Current-smoker | no |  | 1 |
|  | yes |  | 2 |
| Former-smoker | no |  | 1 |
|  | yes |  | 2 |
| Smoking status | non-smoker |  | 1 |
|  | smoker | current-smoker or/ and former-smoker | 2 |

Table S3. Estimate the overall physical activity after combining data based on self-reported physical activity at work and physical activity in leisure time [40]

|  | Physical activity at work |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :---: | :---: | :---: |
|  |  | low | moderate | high |  |  |  |
| Physical activity <br> in leisure time | low | low | low | moderate |  |  |  |
|  | moderate | low | moderate | moderate |  |  |  |
|  | high | moderate | moderate | high |  |  |  |

