**Supplementary Figure1.** Flow chart of selection of participants in the analysis.

NHANES, National Health and Nutrition Examination Survey; TE, transient elastography.

NHANES 2017-2018

*N* = 9,254

*N* = 7,413

Individuals were excluded if they

* were younger than 18 years (n = 2,568)

*N* = 4,845

Individuals were excluded if they

* had implausible energy intake (n = 195)

*N* = 4,650

Individuals were excluded if they

* did not receive transient elastography (TE) examination (n = 67)
* had unreliable TE results (n = 507)

*N* = 4,076

Individuals were excluded if they

* reported significant alcohol consumption (n = 106)
* were suffering from hepatitis B virus (n = 18)
* were suffering from hepatitis C virus (n = 65)
* were taking steatogenic medications for at least 3 months or more before study enrollment (n = 74)

Individuals were excluded if they

* ate before 5am or after 9pm in one day (n = 1,669)
* only had one meal a day (n = 172)

*N* = 3,813

**Supplementary Table 1**. Sensitivity analysis on association between daily eating window and NAFLD among individuals with two 24-h dietary recalls in NHANES (2017-2018)

|  |  |  |
| --- | --- | --- |
|  | OR (95% CI) | *P*trend|| |
| ≥10 hours | 8-10 hours | ≤8 hours |
| No. of cases/participants | 817/1,747 | 41/103 | 80/206 |  |
| Model 1\* | Reference | 1.02 (0.32-3.21) | 0.68 (0.53-0.88) | 0.020 |
| Model 2† | Reference | 1.05 (0.31-3.56) | 0.73 (0.58-0.91) | 0.074 |
| Model 3‡ | Reference | 0.95 (0.31-2.95) | 0.65 (0.49-0.86) | 0.003 |
| Model 4§ | Reference | 0.99 (0.30-3.30) | 0.69 (0.54-0.89) | 0.020 |

BMI, Body mass index; CI, Confidence interval; HEI-2015, Healthy eating index-2015; METS, Metabolic equivalent tasks; NAFLD, nonalcoholic fatty liver disease; NHANES, National Health and Nutrition Examination Survey; OR, Odds ratio.

\* Model 1 was adjusted for age (18-39, 40-59, and ≥60 years), sex (male, female), race/ethnicity (non-Hispanic white, non-Hispanic black, and other races), education (≤12th grade, high school graduate, and more than high school), marital status (married, widowed/divorced/separated, and never married), ratio of family income to poverty (<1.30, 1.30-3.49, and ≥3.50), physical activity (<8.3, 8.3-16.7, and >16.7 METS h/week), smoking (never smoking, former smoking, and current smoking), alcohol consumption (never drinkers, former drinkers, light drinkers, moderate drinkers, and heavier drinkers), diabetes (no, yes), and BMI (<18.5, 18.5-24.9, 25.0-29.9, and ≥30.0 kg/m2);

† Model 2: Model 1 + total energy intake (kcal/day, tertile);

‡ Model 3: Model 1 + HEI-2015 (score, tertile);

§ Model 4: Model 1 + total energy intake (kcal/day, tertile) + HEI-2015 (score, tertile);

|| Linear trend test was conducted by assigning medians to each group as a continuous variable in the models.