|  |  |  |
| --- | --- | --- |
|  | **No Breast Cancer**  **N=1,474** | **History of Breast Cancer**  **N=86** |
| **Median Age, years** |  |  |
|  | 45±17.5 | |
| **Alcohol Consumption, n (%)** |  |  |
| **Low/none**  **Medium**  **Heavy** | 654, (42.0%)  642 (41.2%)  178 (11.4%) | 26 (1.67%)  20 (1.28%)  2 (0.128%) |
| **Race, n (%)** |  |  |
| **White**  **Non-White** | 558 (35.8%)  243 (15.6%) | 40 (2.56%)  11 (0.705%) |
| **History of Pregnancy, n (%)** |  |  |
| **Yes**  **No** | 1,198 (76.8%)  276 (17.7%) | 74 (4.74%)  12 (0.769%) |
| **Menopausal Status, n (%)** |  |  |
| **Pre**  **Current/post** | 745 (47.8%)  729 (46.7%) | 2 (0.128%)  84 (5.38%) |
| **BMI, n (%)** |  |  |
| **Underweight**  **Normal**  **Overweight**  **Obese** | 35 (2.24%)  408 (26.2%)  386 (24.7%)  645 (41.4%) | 5 (0.321%)  20 (1.28%)  26 (1.67%)  35 (2.24%) |
| **Smoking Status, n (%)** |  |  |
| **Non-smoker**  **Smoker** | 22 (1.41%)  552 (35.4%) | 0 (0.00%)  40 (2.56%) |
| **Birth Control Usage, n (%)** |  |  |
| **Yes**  **No** | 1,085 (69.6%)  389 (24.9%) | 53 (3.40%)  33 (2.12%) |
| **Female Hormone Usage, n (%)** |  |  |
| **Yes**  **No** | 231 (14.8%)  1,243 (79.7%) | 23 (1.47%)  63 (4.04%) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Odds Ratio** | **95% Confidence Interval** | **P-Value** | **R2** |
| **Moderate Alcohol Consumption** |  |  |  |  |
| **Crude**  **Adjusted**  \*models adjusted for smoking, BMI, history of pregnancy, menopausal status, birth control usage, female hormone usage, and estrogen/progestin combination pill usage. | 0.784  1.388 | 0.433-1.418  0.564-3.419 | 0.3709  0.2769 | 0.0028  0.0421 |
| **Heavy Alcohol Consumption** |  |  |  |  |
| **Crude**  **Adjusted**  \*models adjusted for smoking, BMI, history of pregnancy, menopausal status, birth control usage, female hormone usage, and estrogen/progestin combination pill usage. | 0.283  0.640 | 0.066-1.202  0.133-3.070 | 0.1163  0.4221 | 0.0028  0.0421 |

Table 3. Relation between alcohol consumption and odds of breast cancer. Low/no alcohol consumption was used as the reference group.