
Fast food is a part of the American diet and has been associated with high caloric intake (1), and poor diet quality (2). Time, financial resources, price, and availability influence fast food consumption (3). This report presents data on the percentage of adults who consumed fast food on a given day in the United States during 2013–2016.

Key findings

Data from the National Health and Nutrition Examination Survey

- During 2013–2016, 36.6% of adults consumed fast food on a given day.
- The percentage of adults who consumed fast food decreased with age: 44.9% aged 20–39, 37.7% aged 40–59, and 24.1% aged 60 and over.
- A higher percentage of non-Hispanic black adults consumed fast food than non-Hispanic white, non-Hispanic Asian, and Hispanic adults.
- The percentage of adults who consumed fast food increased with increasing family income.
- Among those who consumed fast food, men were more likely than women to eat fast food at lunch, but women were more likely to report eating fast food as a snack.

What percentage of adults consumed fast food on a given day, and did consumption differ by sex and age for 2013–2016?

In 2013–2016, 36.6% of adults consumed fast food on a given day (Figure 1). The percentage of adults who consumed fast food decreased with age: 44.9% among younger adults aged 20–39, 37.7% among middle-aged adults aged 40–59, and 24.1% among adults aged 60 and over.

NOTES: Age-adjusted estimates for 20 and over were 37.4% total; 38.4% men; and 36.5% women. Age adjusted by the direct method to the 2000 projected U.S. population using age groups 20–39, 40–59, and 60 and over. Access data table for Figure 1 at: https://www.cdc.gov/nchs/data/databriefs/db322_table.pdf#1.

40–59, and 24.1% among older adults aged 60 and over. This pattern by age was observed for both men and women. Among all adults, a higher percentage of men (37.9%) than women (35.4%) consumed fast foods.

**Did the percentage of adults consuming fast food on a given day differ by race and Hispanic origin for 2013–2016?**

Fast food consumption was higher among non-Hispanic black adults (42.4%) compared with non-Hispanic white (37.6%), non-Hispanic Asian (30.6%), and Hispanic (35.5%) adults (Figure 2). A higher percentage of non-Hispanic white adults consumed fast food compared with non-Hispanic Asian adults.

Among men, the percentage who consumed fast food was higher among non-Hispanic black adults (41.8%) compared with non-Hispanic Asian (31.1%) and Hispanic (35.2%) adults. Fast food consumption was also higher among non-Hispanic white men (39.0%) compared with non-Hispanic Asian men.

Among women, the percentage of non-Hispanic black adults who consumed fast food (42.9%) was higher compared with non-Hispanic white (36.3%), Hispanic (35.8%), and non-Hispanic Asian (30.4%) adults.

There were no significant differences between men and women of the same race and Hispanic-origin group in the percentage who consumed fast food.

![Figure 2. Age-adjusted percentage of adults aged 20 and over who consumed fast food on a given day, by sex and race and Hispanic origin: United States, 2013–2016](https://www.cdc.gov/nchs/data/databriefs/db322_table.pdf#2)

NOTES: All estimates are age adjusted by the direct method to the 2000 projected U.S. population using age groups 20–39, 40–59, and 60 and over. Access data table for Figure 2 at: https://www.cdc.gov/nchs/data/databriefs/db322_table.pdf#2.

Did the percentage of adults consuming fast food on a given day differ by family income level for 2013–2016?

The percentage of adults who consumed fast food increased with increasing family income level (Figure 3). Overall, 31.7% of lower-income (less than or equal to 130% of the federal poverty level [FPL]), 36.4% of middle-income (greater than 130% to less than or equal to 350% of FPL), and 42.0% of higher-income (greater than 350% of FPL) adults consumed fast food on a given day. A similar pattern was observed for both men and women.

Within each income level, there was no significant difference in the percentage between men and women who consumed fast food.

Figure 3. Age-adjusted percentage of adults aged 20 and over who consumed fast food on a given day, by sex and family income level: United States, 2013–2016

<table>
<thead>
<tr>
<th>Income Level</th>
<th>Total</th>
<th>Men</th>
<th>Women</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than or equal to 130% of FPL</td>
<td>31.7</td>
<td>32.1</td>
<td>31.3</td>
</tr>
<tr>
<td>Greater than 130% to less than or equal to 350% of FPL</td>
<td>36.4</td>
<td>36.1</td>
<td>36.8</td>
</tr>
<tr>
<td>Greater than 350% of FPL</td>
<td>42.0</td>
<td>44.0</td>
<td>39.7</td>
</tr>
</tbody>
</table>

1Significant increasing linear trend by family income level.

NOTES: FPL is federal poverty level. All estimates are age adjusted by the direct method to the 2000 projected U.S. population using the age groups 20–39, 40–59, and 60 and over. Access data table for Figure 3 at: https://www.cdc.gov/nchs/data/databriefs/db322_table.pdf#3.

Among adults who reported consuming fast food, did the percentage vary by meal type for 2013–2016?

Among adults who consumed fast food, the most commonly reported eating occasions were lunch (43.7%) and dinner (42.0%), followed by breakfast (22.7%) and snacks (22.6%) (Figure 4).

A higher percentage of men (48.3%) than women (39.1%) consumed fast food during lunch, while a higher percentage of women (25.7%) than men (19.5%) consumed fast food from snacks.

Figure 4. Percentage of adults aged 20 and over who consumed fast food on a given day, by sex and eating occasion: United States, 2013–2016

<table>
<thead>
<tr>
<th>Eating occasion</th>
<th>Total</th>
<th>Men</th>
<th>Women</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breakfast</td>
<td>22.7</td>
<td>21.5</td>
<td>23.8</td>
</tr>
<tr>
<td>Lunch</td>
<td>43.7</td>
<td>39.1</td>
<td>48.3</td>
</tr>
<tr>
<td>Dinner</td>
<td>42.0</td>
<td>42.1</td>
<td>41.9</td>
</tr>
<tr>
<td>Snacks</td>
<td>22.6</td>
<td>19.5</td>
<td>25.7</td>
</tr>
</tbody>
</table>

¹Men and women are significantly different within eating occasion.
NOTES: Respondents could report multiple occasions of eating fast food. Access data table for Figure 4 at: https://www.cdc.gov/nchs/data/databriefs/db322_table.pdf#4.
Summary

During 2013–2016, approximately 37% of adults consumed fast food on a given day. The overall percentage of adults who consumed fast food decreased with age, increased with income, and was higher among non-Hispanic black persons compared with other race and Hispanic-origin groups. In addition, a higher percentage of non-Hispanic white adults consumed fast food than did non-Hispanic Asian adults. Among men and women who consumed fast food, a higher percentage of men ate it for lunch, while a higher percentage of women ate it as a snack.

Fast food consumption has been associated with increased intake of calories, fat, and sodium (4). A previous report estimated that adults consumed 11.3% of their total daily calories from fast food (1). Consumers can find nutritional information on calories on the menu in most fast food establishments and restaurants (5).

Definitions

Fast-food consumption: For each food and beverage item that respondents reported consuming during their 24-hour recall, the participant is also asked about the source where they obtained those items. Food reported as “restaurant fast food/pizza” was considered fast food for these analyses.

Federal poverty level (FPL): Based on the income-to-poverty ratio, a measure of the annual total family income divided by the poverty guidelines, adjusted for family size and inflation.

Eating occasion: Distinct eating or drinking occurrence reported during the 24-hour dietary interview that consists of one or more food or beverage item. The name of the eating occasion was selected from a fixed list provided during the interview. English and Spanish eating occasion names were grouped as follows: Breakfast: breakfast, desayuno, and almuerzo; Lunch: brunch, lunch, and comida; Dinner: dinner, supper, and cena; and Snack: snack, drink, extended consumption (items that were consumed over a long period of time), merienda, entre comidas, botana, bocadillo, tentempie, and bebida.
Data source and methods

Data for this report are from the National Health and Nutrition Examination Survey (NHANES) (6), a cross-sectional survey conducted by the National Center for Health Statistics (NCHS) designed to monitor the health and nutritional status of the civilian noninstitutionalized U.S. population. It consists of home interviews followed by standardized physical examinations in mobile examination centers (MEC). The NHANES sample is selected through a complex, multistage probability design (7). For 2013–2016, non-Hispanic black, non-Hispanic Asian, and Hispanic persons were among the groups oversampled.

Dietary information was obtained via an in-person, 24-hour dietary recall interview with trained interviewers in the MEC. Dietary recall determined intake for the 24-hour period prior to the interview (midnight to midnight) (8). Limitations, such as underreporting, are associated with 24-hour recalls and have been well characterized (8,9). Day 1 dietary sample weights, which accounted for the differential probabilities of selection, nonresponse, and noncoverage, as well as day of the week of dietary recall and nonresponse to the dietary interview, were incorporated into the estimation process. Taylor series linearization was used to compute variance estimates. Differences between subgroups, as well as linear trends across age and family income level, were evaluated using orthogonal contrasts to calculate a Student’s t statistic. Differences were considered significant at \( p < 0.05 \). All reported estimates met NCHS presentation standards (10). Estimates for the adults were age adjusted using the direct method to the 2000 projected U.S. population using the age groups 20–39, 40–59, and 60 and over. Statistical analyses were conducted using SAS-callable SUDAAN version 11.0 (RTI International, Research Triangle Park, N.C.).

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References


Suggested citation


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