

FOODBOOK REPORT



PROTECTING CANADIANS FROM ILLNESS



Public Health
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Canada

**TO PROMOTE AND PROTECT THE HEALTH OF CANADIANS THROUGH LEADERSHIP, PARTNERSHIP,
INNOVATION AND ACTION IN PUBLIC HEALTH.**

—Public Health Agency of Canada

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FOODBOOK REPORT

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and Zoonotic Infectious Diseases,
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EXECUTIVE SUMMARY

Outbreaks associated with widely-distributed food products can have important health and economic impacts in Canada. These outbreaks also affect the health of Canadians and may impact the public's confidence in the food safety system. One of the challenges facing the Public Health Agency of Canada (the Agency) in identifying the source of multi-jurisdictional outbreaks has been the availability of food exposure data for the general Canadian population. Similarly, limited food exposure data has impacted the Agency's ability to evaluate risks associated with enteric illness.

To date, foodborne illness outbreak investigators have relied on outdated food exposure data that are not entirely representative of the current Canadian population. In recognizing these challenges, the Agency recommended that a Canadian-specific, consecutive-day food consumption study be conducted to enhance the Agency's ability to investigate and respond to foodborne illness outbreaks across all government levels.

Foodbook is a population-based telephone survey that was conducted in all Canadian provinces and territories over a one-year period with a primary focus on describing what foods Canadians eat over a seven-day period to inform outbreak investigation and response in Canada. The data generated from this study will enhance Canadian public health capacity to take timely and appropriate action in response to foodborne illness outbreaks and will reduce the impact of these events on the health of Canadians.

The *Foodbook Report* summarizes the food, water and animal exposure information collected during the survey. *Foodbook* data will be used across federal, provincial and territorial (F/P/T) public health and food safety partners to: inform timely and effective response to foodborne illness outbreaks; determine sources of enteric illness which will support risk assessments and public health interventions to prevent illness; and assist in examining relationships between eating patterns, obesity and socioeconomic status.

The *Foodbook* study addresses large data gaps that existed for Canadian food, water and animal exposure data for foodborne illness outbreak response investigations. These data are available to F/P/T stakeholders who work together to investigate, control, prevent and understand enteric illness in Canada.



INTRODUCTION

Outbreaks associated with widely-distributed food products can have important health and economic impacts in Canada. These outbreaks also affect the health of Canadians and may impact the public's confidence in the food safety system. The Public Health Agency of Canada (the Agency) responds to outbreaks in a timely manner to protect the health of Canadians and to uphold the public trust. A key step in the timely identification of the source of outbreaks is to compare foods eaten by ill individuals affected by the outbreak to foods eaten by the general population. One of the challenges facing the Agency in identifying the source of multi-jurisdictional outbreaks has been the availability of food exposure data for the general Canadian population. Similarly, limited food exposure data has impacted the Agency's ability to evaluate risks associated with enteric illness.

To date, foodborne illness outbreak investigators have relied on food exposure data from the United States' *Population Survey Atlas of Exposures* (1) and one regional study in Ontario (2). These data sources are not entirely representative of current Canadian food exposures and so, more recently, the *National Single Day Food Consumption Report* (3) has been used.¹ However, these data have some limitations for outbreak response. They cannot be extended to estimate the consecutive multiple day exposure periods (e.g., 3, 5, or 7 days) needed to compare foods consumed by people experiencing foodborne illness to those consumed by the general population. In addition, the 24-hour recall period limits the ability to capture foods consumed less frequently or rarely consumed.

In order to address these challenges and limitations, the Agency recommended that a Canadian-specific, consecutive-day food consumption study be conducted. These data were collected to enhance the Agency's ability to investigate and respond to foodborne illness outbreaks across all government levels.

Foodbook is a population-based telephone survey that was conducted in all Canadian provinces and territories. It provides essential data on food, animal and water exposure which will be used by the Agency, as well as other federal, provincial, and territorial (F/P/T) partners to understand, respond to, control and prevent enteric illness in Canada.

The *Foodbook* study was developed jointly by the Enteric Surveillance and Population Studies Division (ESPS) and the Outbreak Management Division (OMD) in the Centre for Food-borne, Environmental and Zoonotic Infectious Diseases (CFEZID) of the Public Health Agency of Canada, in consultation with F/P/T partners. Its primary purpose was to establish a database describing Canadians' exposure to foods over a seven-day period that may serve as sources for foodborne infections.

¹ This report was developed based on analysis of the 2004 Canadian Community Health Survey (CCHS) 2.2 nutrition-focused 24-hour dietary recall data.

Foodbook data will be used to:

1. Inform timely and effective response to foodborne illness outbreaks in Canada.
2. Determine sources of enteric illness in Canada which will support risk assessments and help to target public health interventions to prevent illness.
3. Inform food safety education initiatives and health promotion efforts linked to obesity and the determinants of health.

The *Foodbook Report* summarizes the food, water and animal exposure information collected during the survey. Data are summarized nationally, by province and territory and by a number of demographic characteristics (e.g., gender, income, education level).

METHODOLOGY

1. STUDY DESIGN

Foodbook data were collected in Canada's ten provinces and three territories over a one-year period between 2014 and 2015 using a population-based telephone survey. The study questionnaire was developed in collaboration with F/P/T stakeholders who identified key data gaps within the context of establishing a database of food exposures for outbreak investigations. In addition to food exposures, the study also collected data on drinking and recreational water exposures, animal-related exposures, consumer food safety knowledge and practices, acute gastrointestinal illness, obesity indicators and demographic factors.

All permissions to complete the study were obtained. The study was reviewed and approved by Health Canada and the Agency's Research Ethics Board (REB 2013-0025) as well as the Newfoundland and Labrador Health Research Ethics Authority to meet a unique provincial legal requirement (HREB 13.238).

The sampling frame used to draw telephone numbers consisted of land lines (70% listed, 10% random digit-dialing) and cell phones (20%). Including cell phones ensured better coverage of cell phone-only households and demographic groups more likely to use cell phones exclusively (e.g., younger Canadians).

The recall period for most questions was seven days which aligns with the average incubation period of common foodborne illnesses. Thus, a 'yes' response meant that the respondent had eaten a food item or had an exposure at least once during the seven-day period preceding the call. Refused and 'don't know' responses were recoded to 'missing'.

The survey was pilot tested over a two-week period between April 11 and April 27, 2014. Survey respondents provided feedback about their experience, assessed the Computer Assisted Telephone Interviewing (CATI) programming, identified difficult questions and assessed the effect of the call recording disclaimer.

2. PARTICIPANT SELECTION

In order to improve completion rates for younger age groups, when households contained children less than 18 years old, 50% of surveys were conducted with the child who would have the next birthday and 50% were conducted with the adult who would have the next birthday. If there were no children in the household, the survey was conducted with the adult who would have the next birthday. This screening procedure skewed the sample distribution so there were fewer households with adults and children than among the general population. Information on household type (adult/child combination) was thus included in the weight calculations to ensure the weighted sample was representative of the Canadian population.

3. QUESTIONNAIRE ADMINISTRATION

The surveys were conducted by an independent research company contracted by the Agency. Interviews were administered in English, French, Inuktitut and on-demand verbal translation for other languages. Those who could not speak the supported languages were excluded from the survey. Additionally, in order to ensure that exposures occurred within the province or territory of residence, those who had travelled outside their province or territory of residence during the recall period were excluded. Informed verbal consent was obtained from all study participants and a CATI tool was used to enhance quality control on question-flow and data collection.

Proxy respondents were used in accordance with provincial and territorial laws for participants under a certain age, or for those unable to respond on their own behalf. If the selected individual was under the age of consent, the interview was conducted with the child's parent or legal guardian, or with another adult knowledgeable about the child's activities at the discretion of the parent or legal guardian. Proxy response was also allowed for individuals with medical or activity limitations.

4. TARGETED POPULATION GROUPS

The survey was designed with a target sample size of 11,016 collected evenly over a 12-month period across four age groups (0–9, 10–19, 20–64, 65+ years). All provinces and territories were allocated a minimum sample size of 416 to ensure that estimates from the area and within each of the four key age groups would be of an acceptable quality.² Some provinces were allocated additional samples for the purpose of reducing overall design effects and improving regional analysis within the provinces more frequently involved in multi-jurisdictional outbreaks.

5. EXPOSURES

Major food categories included:

- Vegetables
- Fruit
- Herbs and spices
- Nuts
- Meats
- Fish and shellfish
- Eggs
- Dairy products
- Country foods³

² 104 is the minimum sample size in the control group (one age group only) required to detect a difference of 35 percentage points between the control group's food consumption proportion (from *Foodbook*) and the proportion of cases in an outbreak of sample size 18 (median number of cases per multi-provincial outbreak in the past five years) when alpha is 10%, beta is 90%, the control percentage is 40% and the case percentage is 75%.

³ Information about these food items (e.g., wild game, foraged berries) was collected only from those residing in the territories.

Respondents were prompted to include foods eaten raw and/or cooked both inside and outside the home. Vegetables did not include frozen or canned/jarred vegetables. Fruits did not include frozen, canned/jarred or dried fruits.

Major non-food exposure categories included:

- Drinking water sources
- Contact with recreational water (e.g., lakes, oceans, hot tubs, etc.)
- Contact with household pets and pet food
- Contact with farm animals

6. WEIGHTING

The forward sortation area (FSA, or first three digits of the postal code) was collected for each respondent. The FSA was then converted to the most likely census metropolitan area (CMA). The CMA indicator along with age group, household type, province or territory, the number of people in the household, the number of land lines and cell phones in the household and gender were used to calculate the individual-level survey expansion weight. To create the final weighting variable, a post-stratification step used iterative proportional ranking with available control tables.

7. ANALYSIS

The analysis was performed in Stata 13.0 (Stata Corp., Texas Station, TX) using the survey weight provided by the research company. The survey data file was checked for inconsistencies and estimates were verified against external sources of exposure data, where available.

The analysis in Stata was performed using the expansion weight as the probability weight for mean and variance estimation, via the `svyset` command and the `svy` prefix to estimation commands. Primary estimation commands included the “mean” and “proportion” commands.

RESULTS

The full survey (including pilot test) was conducted over a 12-month period from April 11, 2014 to April 9, 2015. Approximately the same number of interviews was completed during each calendar month for a total of 10,942. All sample targets for each province and territory were met (**Table 1**).

A sample of 515,691 phone numbers from three sources (listed residential numbers, random digit-dialing residential numbers and cell phone numbers) were randomly selected from the total sample. Of these phone numbers, 429,167 were called, of which 119,074 numbers (27.7%) were invalid (e.g., not in service, or modem or fax numbers). Language barriers were identified among 3,894 (0.9%) of respondents and these individuals were not interviewed. The gross refusal rate was 12.7% and the gross response rate and Marketing Research and Intelligence Association (MRIA)⁴ response rate were 2.7% and 19.9% respectively.

All consumption estimates included in this report have been weighted so they are representative of the Canadian population.

Food, water and animal exposures as well as the frequency of exposure to select high-risk foods were summarized nationally, by province and territory and by the demographic characteristics presented in Tables 1-9. The data reported in the tables are the results of the *Foodbook* study and no discussion of the results is presented.

⁴ The Marketing Research and Intelligence Association (MRIA) adopted the Data Collection Response Rate Calculation recommended by Statistics Canada in its Standards and Guidelines for Reporting of Non-Response Rates as the industry standard for market, survey and public opinion research in Canada.

STUDY LIMITATIONS

There are several limitations of the data that should be considered when interpreting the results.

Foodbook data are not representative of populations that were excluded from the study such as individuals who did not have land lines or listed cell phone numbers (e.g., people living in correctional facilities, hospitals, etc.) and respondents who were unable to communicate in the languages available. This may limit the external validity of the study and *Foodbook* data should not be used to describe exposures explicitly within these populations. Furthermore, Northern Québec, Northern Ontario and the territories (Yukon, Northwest Territories, and Nunavut) have proportionally more residents living in remote rural areas without access to a telephone or a cell phone and therefore, these Canadians are not well-represented.

Although the overall response rate (MRIA) was low, it was consistent with response rates typically found in most commercial telephone surveys in Canada, which range from 10% to 20% (4). A low response rate may bias results, if those who did not respond had different food exposures than respondents. Several strategies were implemented at the outset to maximize response rates such as: explaining the study to respondents, arranging for call-backs at a more convenient time, and redirecting to a different telephone number to eliminate costs for the respondent. The script and respondent selection process were revised following the pilot. Despite these revisions, there was minimal impact on the response rate compared to the pilot testing period. In order to improve response rates, future surveys may consider a mixed-method sampling strategy that includes both telephone and online components as well as incentive programs.

Bias due to retrospective recall may also impact the results. Respondents were asked about retrospective exposures over a seven-day recall period. It is easier to recall recent exposures (e.g., in the previous 24 hours) than exposures that occurred more than one or two days ago. Although a shorter recall period may have reduced recall bias, a seven-day retrospective recall period was selected because it aligns with most incubation periods for foodborne illness outbreak case interviews. In order to ensure the study data are comparable to outbreak cases, it was critical that participants were asked questions in the same manner as outbreak cases would be asked. Furthermore, a seven-day recall period provides valid estimates of usual exposure within the general population and better estimates of exposure to infrequently-consumed foods that would not be captured using shorter recall periods. It should be noted that the retrospective collection of exposure data is less accurate than prospective collection of data over the same time period. This should be considered when comparing *Foodbook* data to those collected using recall periods shorter or longer than seven days and/or those using prospective data collection.

CONCLUSIONS

The primary purpose of the *Foodbook* study was to inform timely and effective response to foodborne illness outbreaks in Canada and to maximize the opportunity to address key data gaps identified by the Agency and F/P/T partners.

The *Foodbook Report* provides rapid access to general population exposure data that will help guide outbreak investigations where the source of the outbreak is not immediately evident. This will help build the weight of evidence required to support the timely removal of contaminated food source(s) from the marketplace. Frequency of exposure to high-risk food items will inform microbial risk assessments and ranking of food-pathogen risk. Water and animal exposure data are provided to inform microbial risk assessments, source attribution analyses and water safety policy at the national level. Finally, the *Foodbook Report* includes data that will inform Canada-wide cross-disciplinary efforts to elucidate relationships between eating patterns, obesity and socioeconomic status and will strengthen collaboration and leadership in health promotion and illness prevention.

The *Foodbook* study addresses large data gaps that existed for Canadian food, water and animal exposure data for foodborne illness outbreak response investigations. These data are available to F/P/T stakeholders who work together to investigate, control, prevent and understand enteric illness in Canada.

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TABLE 1: Unweighted and weighted respondent counts, weighted proportions, and 2011 Census proportion, by province/territory

PROVINCE/ TERRITORY	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL	YT	NT	NU	NATIONAL
Respondent count	1,273	1,267	839	842	1,674	1,677	616	637	445	437	402	458	375	10,942
Weighted respondents	4,428,000	3,653,000	1,033,000	1,203,000	12,835,000	7,875,000	753,000	928,000	141,000	519,000	34,000	42,000	32,000	33,477,000
Weighted % total	13.2	10.9	3.1	3.6	38.3	23.5	2.3	2.8	0.4	1.6	0.1	0.1	0.1	-
% Canadian population (5)	13.1	10.9	3.1	3.6	38.4	23.6	2.2	2.8	0.4	1.5	0.1	0.1	0.1	-

TABLE 2: Unweighted and weighted respondent counts, and unweighted proportions, by month

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Respondent count	951	930	926	440	1,489	631	1,018	959	838	838	980	942
Weighted respondents	2,838,000	2,525,000	2,694,000	920,000	4,505,000	2,119,000	3,182,000	3,209,000	2,829,000	2,912,000	2,778,000	2,966,000
% total respondents	8.7	8.5	8.5	4.0	13.6	5.8	9.3	8.8	7.7	7.7	9.0	8.6

TABLE 3: Unweighted and weighted respondent counts and proportions, and 2011 Census proportions, by age group and gender

AGE AND GENDER	0-9 YEARS		10-19 YEARS		20-64 YEARS		>65 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
Respondent count	1,283	1,212	1,254	1,113	1,202	1,923	1,089	1,856
% total respondents	11.7	11.1	11.5	10.2	11.0	17.6	10.0	17.0
Weighted respondents	1,909,000	1,816,000	2,168,000	1,988,000	10,192,000	10,472,000	2,174,000	2,759,000
Weighted % total	5.7	5.4	6.5	5.9	30.4	31.3	6.5	8.2
% Canadian population (6)	5.6	5.4	6.3	6.0	30.6	31.4	6.6	8.2

TABLE 4: Unweighted and weighted respondent counts, weighted proportions, and 2011 Census proportions, by education level.

EDUCATION LEVEL	LESS THAN HIGH SCHOOL DIPLOMA OR ITS EQUIVALENT	HIGH SCHOOL DIPLOMA OR A HIGH SCHOOL EQUIVALENCY	TRADE CERTIFICATE OR DIPLOMA	COLLEGE, CEGEP OR OTHER NON-UNIVERSITY CERTIFICATE OR DIPLOMA	UNIVERSITY CERTIFICATE OR DIPLOMA BELOW THE BACHELOR'S LEVEL	BACHELOR'S DEGREE	UNIVERSITY CERTIFICATE, DIPLOMA OR DEGREE ABOVE THE BACHELOR'S LEVEL
Respondent count	1,019	1,397	324	1,216	393	932	574
Weighted respondents	3,592,000	6,745,000	1,772,000	8,045,000	2,867,000	6,766,000	3,691,000
Weighted % total	10.7	20.1	5.3	24.0	8.6	20.2	11.0
% Canadian population (7)	12.7	23.2	12.1	21.3	4.9	16.5	9.4

NOTE: This question was only asked of respondents who were >25 years old. 46% (4,985/10,942) of respondents were not asked about education. Among those respondents asked about education, 2% (102/5,957) did not know or refused to provide an education level.

TABLE 5: Unweighted and weighted respondent counts, weighted proportions, and 2011 Census proportions, by household income.

HOUSEHOLD INCOME	< \$30 000	\$30 000–\$60 000	\$60 000–\$80 000	> \$80 000
Respondent count	1,619	2,275	1,498	4,010
Weighted respondents	5,340,000	8,294,000	5,442,000	14,401,000
Weighted % total	16.0	24.8	16.3	43.0
% Canadian population (8)	9.8	22.8	14.5	52.8

NOTE: 14% (1,540/10,942) of respondents refused or did not know their household income.

TABLE 6: Weighted proportions of food, animal and water exposures in the past seven days, by province/territory and nationally

EXPOSURE	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL	YT	NT	NU	CANADA
VEGETABLES														
Any tomatoes	75.9	72.1	66.4	70.3	73.0	75.8	63.0	67.7	65.3	57.5	66.0	51.6	41.2	72.9
On a sandwich, burger or taco at restaurant or fast food establishment	22.0	24.6	19.6	15.3	22.4	15.7	16.8	22.0	17.6	16.4	13.6	8.6	9.3	20.4
Roma/plum	30.6	30.3	25.8	24.1	24.9	23.8	13.5	27.5	18.2	18.3	28.8	21.1	18.9	25.7
Hothouse	42.8	35.8	27.1	29.4	33.7	49.7	35.3	34.8	35.8	20.8	26.1	17.9	13.5	38.3
Beefsteak	12.2	14.1	11.9	16.8	15.0	6.7	10.2	11.6	6.8	9.4	9.9	8.6	5.9	12.2
Cherry or grape	37.7	31.1	24.4	29.2	30.3	37.8	27.7	32.3	24.1	24.6	39.1	23.9	21.9	32.8
Any lettuce or leafy greens	86.3	84.5	80.7	83.3	84.2	78.4	80.5	75.3	77.8	73.2	83.2	73.9	54.1	82.4
On a sandwich, burger or taco at restaurant or fast food establishment	28.7	30.4	33.2	25.0	25.9	15.0	20.3	28.8	20.8	25.4	19.5	17.4	8.9	24.3
Iceberg	38.3	41.6	44.2	45.7	43.8	37.0	38.8	42.0	46.4	41.4	28.8	38.6	27.0	41.1
Romaine	53.9	57.0	45.2	54.5	50.9	40.7	40.8	44.1	35.5	40.9	57.4	42.2	28.1	48.8
Spinach	37.9	32.6	28.9	31.9	29.3	19.3	32.0	27.2	28.6	24.3	33.0	25.4	15.3	28.4
Mesclun greens	23.0	12.8	10.9	6.5	13.3	17.3	11.8	12.0	16.3	7.9	10.5	15.0	7.7	15.0
Pre-packaged lettuce or leafy greens	49.3	46.1	46.9	49.8	44.0	49.0	43.8	38.3	43.2	34.5	50.9	45.5	39.4	46.1
Cabbage (includes coleslaw)	32.0	25.8	32.0	28.2	28.1	32.2	36.3	30.8	26.7	46.8	20.3	20.4	13.0	30.0
Any sprouts	11.9	12.9	11.7	6.5	12.1	17.2	11.1	6.4	14.0	10.1	5.8	12.8	3.7	12.9
Alfalfa sprouts	3.5	1.9	3.3	1.3	1.9	3.3	0.8	0.4	0.6	2.8	2.2	2.7	0.6	2.4
Bean sprouts	8.4	8.3	8.0	4.2	7.7	12.1	8.0	5.4	12.1	4.6	2.7	6.8	2.3	8.7
Cucumbers	67.6	60.7	59.0	58.2	65.3	62.9	58.7	55.8	50.9	25.7	67.6	42.2	27.1	62.9
Bell peppers	64.8	59.7	53.6	65.9	63.5	69.2	44.4	57.4	59.7	57.9	67.5	46.4	42.7	63.6
Hot peppers	24.1	16.7	13.3	18.5	23.0	13.7	14.4	22.3	17.9	11.9	22.6	12.5	12.6	19.4
Celery	43.5	50.3	53.7	48.6	45.2	55.0	37.3	37.3	37.5	32.0	59.1	48.5	41.0	47.6
Any carrots	82.7	79.3	79.7	82.5	80.0	82.3	86.0	89.2	89.3	84.2	83.8	75.1	72.3	81.4
Carrots (not mini)	72.4	67.6	69.2	68.7	65.4	70.5	74.3	80.3	81.5	80.8	76.2	66.9	61.2	68.9
Mini carrots	34.9	36.3	34.4	38.3	38.1	34.5	32.6	30.3	31.3	25.1	33.7	28.7	34.0	35.9

NOTE: s = greater than 0, less than 0.05. If there is a '0.0' value without an 's', value is exactly 0.

EXPOSURE	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL	YT	NT	NU	CANADA
Peas (shelled or in pods)	35.2	38.2	37.6	34.7	27.7	20.2	31.7	28.2	32.4	31.6	36.0	39.8	23.5	28.8
Green or yellow beans	29.9	28.1	26.9	23.7	44.1	37.3	37.9	32.7	28.6	17.1	14.5	23.4	18.8	36.6
Broccoli	58.0	51.2	48.1	50.0	57.6	56.0	50.5	49.8	52.7	51.6	64.7	53.2	47.2	55.5
Cauliflower	36.8	32.0	36.9	33.3	33.3	33.2	20.1	18.7	31.0	37.2	38.2	27.2	25.2	33.0
Leeks	8.4	5.7	6.1	3.7	7.6	16.6	5.3	2.5	7.9	3.6	9.6	4.8	5.3	9.2
Fresh garlic (not powdered)	63.0	42.6	40.6	47.0	51.6	45.3	31.8	41.9	32.5	25.6	64.0	40.9	23.2	48.9
Mushrooms	47.0	48.4	45.3	47.9	50.2	53.3	47.5	51.6	46.9	48.5	54.6	43.6	37.3	50.0
Zucchini	26.6	19.6	12.1	15.9	22.8	21.0	6.9	14.6	7.1	7.5	20.9	18.0	6.9	21.1
Any onions	86.9	83.6	80.9	83.8	81.4	82.6	80.3	80.5	80.7	80.8	86.5	77.6	71.8	82.7
White/yellow onions	77.2	76.2	70.6	72.2	70.6	74.9	76.8	75.7	73.3	76.8	75.0	69.3	65.8	73.5
Red onions	35.3	32.0	29.6	29.8	35.0	28.7	22.2	26.9	31.0	29.3	42.9	29.3	10.3	32.2
Green onions	39.5	37.6	32.8	33.9	36.3	29.2	16.8	27.3	20.2	19.8	34.1	27.5	14.3	34.0
Vegetable juice	15.0	11.9	13.7	14.9	14.5	31.0	17.0	14.3	11.6	11.2	12.4	9.9	15.0	18.2
HERBS & SPICES														
Any fresh herbs	59.1	45.2	30.5	29.9	48.5	50.2	29.7	37.3	35.9	22.7	44.9	27.1	21.2	47.5
Fresh Thai basil	8.7	8.3	4.6	4.7	10.8	10.3	5.0	4.0	3.4	4.4	7.8	4.7	2.3	9.2
Fresh basil	18.0	14.1	8.4	8.5	19.3	22.2	12.7	10.6	12.0	6.1	15.9	9.9	5.9	17.8
Fresh cilantro/coriander	27.3	18.1	8.4	8.1	18.8	15.4	9.0	10.9	5.9	4.1	17.5	11.1	6.2	17.6
Fresh tarragon	2.2	1.4	1.3	1.7	3.6	4.4	1.1	4.8	1.2	2.3	1.8	2.2	1.5	3.2
Fresh parsley	29.6	20.2	16.0	14.9	28.8	29.2	12.5	17.4	21.4	10.9	16.6	12.9	9.9	26.1
Other fresh herbs	32.0	23.7	18.9	17.4	25.3	21.5	18.3	15.3	16.4	13.8	24.7	13.7	10.6	24.0
Any spices	91.5	92.8	93.2	90.2	88.9	92.4	86.9	91.0	91.6	86.3	94.4	90.2	73.2	90.7
Pepper (whole/ground, white, black, blended)	85.3	85.6	89.8	86.6	82.4	87.8	80.0	87.1	85.4	78.1	87.6	85.4	64.6	84.8
Curry powder	27.0	20.4	12.5	11.8	16.2	15.5	11.9	18.9	14.5	12.9	16.4	17.3	14.2	17.6
Paprika	28.3	20.0	22.7	21.8	23.4	19.4	14.7	19.7	17.4	13.7	17.2	19.1	14.3	22.2
Turmeric	23.3	11.4	10.6	8.7	16.5	14.2	9.2	14.4	7.4	8.4	9.9	12.1	8.2	15.4
Other spices	55.7	46.4	45.4	42.8	48.8	48.7	40.4	50.7	38.0	38.8	42.7	46.6	37.7	48.8

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EXPOSURE	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL	YT	NT	NU	CANADA
STORE-BOUGHT PREPARED SALADS & DIPS														
Any store-bought prepared salad	14.3	14.4	17.2	15.0	15.7	11.6	13.7	15.8	15.5	20.5	14.0	16.2	15.6	14.5
Green salad	8.6	10.2	9.7	11.2	10.2	5.6	9.4	13.2	9.6	10.8	9.5	10.2	9.2	9.0
Coleslaw	4.0	2.9	3.8	3.5	3.8	3.6	3.5	6.8	3.4	7.2	2.9	3.5	3.2	3.8
Potato salad	2.8	1.9	5.8	2.7	3.2	1.1	2.3	1.8	3.4	5.9	1.9	3.1	3.9	2.6
Pasta salad	0.8	1.1	2.0	1.0	2.1	1.9	1.9	1.7	0.7	8.0	0.5	1.2	3.5	1.8
Fruit salad/pre-cut fruit/ fruit platter	2.9	2.6	3.0	2.9	3.6	2.3	3.4	3.0	6.2	5.5	1.0	5.4	4.6	3.1
Salsa	25.6	24.0	19.8	30.7	21.9	16.0	23.0	26.8	22.2	22.9	28.8	24.7	24.1	21.7
Hummus	12.9	11.7	7.1	6.8	16.2	12.7	8.8	13.6	9.2	6.8	7.3	9.8	8.6	13.4
FRUITS														
Apples	74.1	73.2	67.5	72.3	74.4	69.1	72.5	61.1	76.5	73.1	73.0	61.1	70.2	72.3
Pears	25.4	24.0	19.0	23.9	23.6	25.2	19.7	17.4	25.1	26.6	18.7	15.6	24.3	23.9
Peaches	15.4	16.4	13.5	10.7	17.3	15.9	13.1	14.1	14.4	17.4	7.5	10.1	8.0	16.0
Nectarines	13.2	13.1	11.1	8.0	10.7	17.2	9.4	7.5	6.9	9.4	7.2	4.6	7.4	12.6
Apricots	5.4	7.8	5.0	3.2	3.2	5.6	1.7	2.3	1.8	8.0	3.7	3.3	3.3	4.6
Plums	18.2	11.2	11.0	9.0	11.3	13.6	11.0	9.0	9.5	19.2	9.5	6.3	5.5	12.7
Citrus fruit	73.5	71.3	67.5	67.2	63.2	61.1	57.1	54.5	59.3	68.5	70.0	69.2	64.2	65.0
Cherries	19.8	15.3	13.3	12.9	15.2	12.6	13.0	9.0	10.6	9.9	14.9	9.9	11.2	14.7
Grapes	56.7	46.6	47.9	48.1	51.0	55.9	55.9	47.1	50.2	56.3	54.6	49.3	54.8	52.3
Bananas	76.9	78.4	76.2	83.1	76.9	74.8	80.0	70.1	82.9	81.3	76.4	71.1	76.3	76.7
Mangoes	19.4	14.3	9.0	10.9	15.7	18.2	8.0	12.0	7.6	5.4	12.0	9.3	8.5	15.7
Papaya	2.6	4.1	1.6	2.2	2.9	4.5	0.6	0.5	0.1	0.3	1.0	1.9	0.8	3.1
Kiwi	13.5	10.6	10.0	10.6	10.6	15.9	9.5	12.4	15.2	14.1	7.0	10.5	13.4	12.3
Pomegranate	7.2	6.6	4.4	4.6	9.7	7.4	7.4	6.5	3.9	3.4	9.2	4.6	3.2	7.8
Pineapple	27.2	35.0	28.2	28.0	29.6	30.5	28.2	26.6	29.5	38.4	31.8	18.7	13.5	30.0
Avocado (includes guacamole)	42.1	26.3	13.9	21.2	25.0	23.2	13.3	24.6	9.6	11.0	32.7	18.7	22.5	26.0
Olives	31.0	23.7	13.4	16.3	27.0	33.8	17.4	18.3	14.1	13.9	31.0	14.1	7.7	27.2

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EXPOSURE	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL	YT	NT	NU	CANADA
Any melon	40.2	42.1	41.2	39.7	41.4	37.3	37.7	32.9	30.9	30.0	37.4	34.8	31.5	39.7
Cantaloupe	21.5	25.6	19.9	22.8	24.7	24.1	18.3	19.7	12.5	15.3	25.9	20.2	15.8	23.5
Honeydew	12.7	12.4	16.0	9.9	15.5	12.7	14.4	13.9	9.5	14.1	13.5	17.5	14.3	13.8
Watermelon	22.8	27.8	27.2	26.9	24.2	21.7	25.0	19.2	21.7	17.5	18.1	17.1	16.8	23.7
Any berries	68.7	68.0	61.1	63.3	63.0	66.3	62.8	61.8	61.9	74.9	69.1	53.9	49.6	65.2
Strawberries	50.4	51.7	49.7	49.8	47.4	51.6	45.7	46.5	46.9	61.5	50.1	39.4	33.2	49.6
Raspberries	31.5	29.6	21.2	22.1	24.9	31.7	18.9	22.4	22.5	25.0	36.0	24.5	12.0	27.5
Blueberries	38.6	28.4	23.6	25.9	32.9	26.4	34.6	33.5	34.5	40.6	37.6	30.5	34.9	31.3
Blackberries	17.9	13.4	7.6	9.8	10.2	6.3	4.7	11.4	10.3	15.7	14.5	7.9	11.5	10.5
Unpasteurized fruit juice	4.3	3.4	4.5	3.3	8.8	12.6	7.4	2.4	5.5	2.5	7.0	7.1	5.5	7.8
Fruit smoothies	31.4	25.5	18.5	19.7	18.6	13.9	17.3	14.2	22.5	13.7	29.3	20.3	10.6	19.8
NUTS AND NUT PRODUCTS														
Peanut butter	56.5	55.1	58.8	67.3	49.5	57.6	70.9	68.0	68.5	56.6	47.7	54.3	42.4	55.0
Other nut paste, butter or spread	16.1	18.3	12.8	15.5	16.5	24.5	14.7	17.6	11.9	10.8	22.9	16.8	21.6	18.3
Any nuts	72.0	69.7	64.6	71.0	65.8	58.9	59.0	66.6	65.2	62.0	71.6	61.9	46.8	65.4
Peanuts (not including peanut butter)	35.0	33.4	36.3	32.9	35.1	29.9	31.1	35.5	39.4	36.5	34.8	24.2	25.6	33.6
Almonds	52.5	46.9	34.8	46.5	39.6	34.8	39.4	40.1	39.5	32.7	51.8	37.7	26.5	41.0
Walnuts	20.3	16.3	10.3	15.5	22.2	15.0	9.8	17.6	11.7	16.4	16.9	14.6	9.0	18.5
Hazelnuts (Filberts)	11.0	9.6	8.2	7.3	12.0	7.8	8.6	7.7	4.6	10.2	8.0	10.1	5.1	10.1
Cashews	33.6	28.8	26.0	21.7	25.6	25.9	23.2	28.8	19.3	16.0	28.8	21.1	14.9	26.8
Pecans	17.9	16.6	11.9	14.9	13.8	7.6	13.1	8.4	8.0	10.8	18.1	17.8	7.8	12.9
SEEDS AND SEED PRODUCTS														
Sunflower seeds	22.9	25.3	16.4	20.8	18.2	13.6	14.7	13.4	21.8	13.6	27.3	17.2	13.3	18.3
Sesame seeds	23.2	20.0	9.8	10.0	18.6	14.0	9.9	12.0	11.3	9.6	19.0	12.5	11.6	17.1
Tahini, halva or other products made from sesame seeds	7.7	6.3	2.2	3.4	7.8	6.4	6.2	4.0	2.3	5.0	11.2	7.7	5.4	6.8

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EXPOSURE	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL	YT	NT	NU	CANADA
BEEF														
Any beef (not including deli-meat)	75.8	85.1	86.3	80.5	75.4	80.4	79.4	75.6	81.6	85.7	65.1	72.4	66.0	78.4
Raw beef	0.1	0.4	0.2	1.2	0.5	1.9	0.0	0.6	0.1	0.2	0.2	1.2	0.2	0.8
Steak	34.4	33.0	32.0	26.5	25.9	36.5	36.8	28.9	35.6	38.1	21.9	37.9	21.7	31.1
Stewing beef	9.8	11.9	10.3	13.6	15.6	14.9	15.0	10.2	9.4	13.9	9.8	10.8	17.2	13.8
Other whole-cut beef products	16.4	23.8	25.8	24.7	19.4	19.2	22.4	16.6	23.0	30.6	16.0	25.3	19.1	20.0
Any ground beef	59.2	70.2	72.1	69.4	60.7	64.5	65.7	65.1	69.2	65.7	48.2	57.1	54.1	63.4
Any hamburgers	42.2	46.3	53.7	42.8	35.1	35.0	51.4	47.7	53.2	49.1	36.5	33.0	30.6	39.1
Home-made	17.1	20.1	27.4	26.2	18.5	26.4	37.3	31.3	38.1	26.4	17.6	15.7	14.3	21.9
Store-bought frozen beef patties	10.0	13.0	17.4	7.2	9.4	2.0	6.6	6.5	10.7	22.5	9.9	14.7	12.1	8.4
From a restaurant or fast food establishment	21.0	22.2	24.1	17.8	14.3	11.4	18.2	21.0	16.0	16.2	11.8	7.7	7.4	16.1
Any other ground beef	36.7	47.7	47.9	50.2	41.8	51.6	39.4	34.1	39.3	43.2	29.9	43.3	42.7	44.3
Ground beef consumed raw or undercooked	0.0 ^s	0.3	0.8	0.1	0.5	1.7	0.0	0.3	2.9	0.0	0.0	0.7	1.9	0.7
PORK														
Any pork	52.6	53.1	62.7	61.7	53.9	56.5	58.3	56.4	63.1	60.0	59.5	51.9	44.1	55.1
Ham (not including deli-meat)	9.0	18.4	18.1	17.3	12.9	19.4	15.9	13.2	17.7	15.3	15.7	9.9	12.3	15.0
Bacon	27.6	27.9	37.5	29.6	26.8	24.4	26.4	30.0	34.2	37.5	39.4	37.8	22.0	27.2
Ground pork	6.7	8.1	9.6	8.6	9.0	9.1	6.4	2.7	2.7	3.9	6.8	5.1	2.1	8.3
Pork pieces or parts	30.5	31.2	35.1	40.1	31.2	38.0	39.3	36.5	41.8	42.8	32.7	31.8	30.5	33.7
POULTRY														
Any poultry	88.1	85.0	83.2	88.4	88.5	87.9	88.5	81.7	86.2	89.7	82.6	76.4	75.3	87.6
Any chicken (not including deli-meat)	85.9	83.6	80.4	85.4	86.2	86.9	86.9	79.4	85.6	86.2	80.3	73.5	71.8	85.6
Store-bought breaded chicken	16.0	15.8	18.7	19.8	14.9	16.8	20.7	20.9	27.5	28.4	20.0	18.7	30.4	16.5
Ground chicken	3.8	5.4	4.6	2.7	7.0	4.4	2.2	2.9	7.3	4.2	6.1	2.4	6.2	5.3
Chicken pieces or parts	70.7	71.4	62.2	70.1	67.0	75.0	75.3	63.8	71.6	71.4	70.9	62.7	60.0	70.0
Chicken from a restaurant or fast-food establishment	18.8	20.1	19.8	22.8	23.8	18.9	21.4	11.9	17.6	26.0	20.4	12.9	7.0	21.0

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EXPOSURE	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL	YT	NT	NU	CANADA
Any turkey (not including deli-meat)	14.6	11.1	14.1	8.6	12.6	7.5	11.6	16.8	9.8	28.4	21.2	10.4	13.5	11.8
Turkey bacon	0.4	1.0	0.7	1.0	0.4	0.2	0.9	0.5	0.6	5.1	0.4	0.4	0.9	0.5
Ground turkey	5.8	1.6	1.9	1.7	2.1	2.1	2.3	1.9	2.3	5.5	2.3	2.2	1.2	2.5
Turkey pieces or parts	7.7	8.4	10.2	6.1	9.4	5.0	9.9	13.8	7.8	21.0	17.5	7.4	11.6	8.3
Other poultry (not including deli-meat)	1.4	0.7	1.5	2.7	1.7	5.0	0.5	1.1	1.9	0.6	0.5	5.3	2.9	2.3
DELI-MEAT														
Any deli-meat/cold cuts	50.2	45.2	45.4	52.1	49.2	52.7	45.7	41.0	42.6	48.3	52.2	38.6	27.1	49.3
Chicken	7.7	8.9	10.1	11.4	10.5	8.2	7.2	6.7	8.5	9.9	4.4	2.0	2.8	9.2
Turkey	15.7	12.4	9.6	10.6	14.0	9.8	9.7	6.9	7.3	11.3	12.3	9.3	4.6	12.4
Ham	29.1	25.0	24.6	27.9	24.2	36.8	32.0	19.2	25.5	29.8	20.8	23.4	17.6	28.2
Beef	7.4	7.9	6.4	11.6	7.5	6.3	9.9	5.5	3.3	5.4	14.0	5.3	4.5	7.3
Bologna	2.4	5.9	10.2	12.0	9.7	9.5	12.0	11.1	7.8	18.9	2.3	5.7	9.4	8.5
Salami	9.4	8.4	8.3	15.0	12.2	11.5	14.5	10.6	11.4	13.7	16.3	9.3	6.6	11.3
Pepperoni	7.2	7.5	6.8	13.9	8.9	12.4	10.1	13.8	16.8	13.4	12.9	13.8	11.8	9.7
Kielbasa	2.2	2.4	3.0	5.8	3.8	2.0	0.3	2.5	0.3	0.8	2.5	0.6	1.1	2.9
OTHER MEAT / ANIMAL PRODUCTS														
Hot dogs	27.6	25.6	29.7	25.9	26.8	25.2	37.7	31.2	23.1	31.0	20.2	31.3	47.4	26.9
Sausage	32.6	28.6	33.9	31.1	27.6	38.4	26.8	20.7	20.3	19.2	28.7	25.8	22.4	30.8
Dried meat products	9.8	11.9	12.1	9.0	7.5	3.1	6.4	8.6	4.9	4.2	22.2	28.6	34.9	7.4
Pâté/meat spread	5.6	2.3	2.2	1.7	3.1	12.0	2.4	4.1	1.5	3.2	1.8	3.0	4.9	5.3
Lamb	11.4	4.7	2.7	2.1	4.5	5.1	1.6	2.8	1.6	2.9	1.9	2.7	3.7	5.3
Veal	1.9	2.0	2.2	1.0	4.2	10.9	3.2	0.2	0.0	0.3	1.0	1.1	3.9	4.8
Goat	2.6	1.3	1.2	0.8	3.6	1.8	0.2	0.7	0.0	0.4	0.4	0.5	0.9	2.4
Organ meats or offal	5.8	2.8	2.4	2.0	4.8	3.9	1.2	4.3	2.2	3.3	2.2	8.6	2.3	4.2
Shawarma or donair	1.1	6.1	0.5	1.2	4.1	2.6	5.0	4.9	4.9	1.8	0.1	4.9	4.5	3.4

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EXPOSURE	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL	YT	NT	NU	CANADA
FISH & SEAFOOD														
Any fish	56.8	44.9	43.0	50.1	55.1	62.5	54.8	62.6	46.9	58.7	51.7	49.5	53.0	55.6
Smoked fish	10.9	4.8	3.2	4.0	5.4	11.0	2.4	13.4	0.8	7.2	9.9	6.8	9.7	7.4
Raw fish	10.4	4.7	3.6	3.7	6.8	7.8	0.4	4.6	0.5	2.5	3.3	5.5	21.9	6.8
Any shellfish	17.8	19.6	13.4	17.3	16.5	15.3	20.4	19.4	20.0	15.3	20.4	15.8	8.7	16.8
Mussels	1.5	3.0	1.9	2.1	1.8	1.9	4.2	2.2	8.9	3.2	1.3	3.0	1.9	2.0
Clams	3.1	1.3	0.7	0.3	2.6	0.9	6.6	3.6	7.6	0.1	0.8	0.4	2.1	2.1
Scallops	3.1	1.8	1.7	2.2	2.4	6.2	7.1	5.9	7.7	5.0	3.4	5.3	0.9	3.5
Shrimp/prawns	15.7	14.8	10.8	15.0	15.1	13.5	9.6	7.8	6.3	7.0	17.6	13.9	5.3	14.1
Crab	4.1	2.3	1.4	3.3	2.5	3.5	1.1	2.1	1.8	2.3	3.5	0.8	0.5	2.9
Lobster	2.0	2.3	0.5	0.8	2.8	1.4	6.2	8.9	9.9	3.2	0.5	3.0	2.2	2.4
Any oysters	1.7	2.4	2.8	0.4	0.7	0.4	1.3	1.2	3.5	0.0	1.8	4.8	1.8	1.0
Raw oysters	0.8	0.5	0.5	0.1	0.5	0.3	0.5	0.0	1.5	0.0	0.0	0.0	1.1	0.4
EGGS														
Any eggs	81.1	81.4	83.5	81.4	79.6	81.1	80.2	81.4	82.5	83.8	87.1	86.8	74.3	80.7
Raw or undercooked eggs	13.8	15.9	16.4	16.0	13.4	17.2	17.1	15.0	25.0	13.4	15.7	23.1	13.9	15.0
DAIRY / DAIRY SUBSTITUTES														
Any dairy products (not including cheese)	87.1	84.3	80.8	85.6	83.0	86.3	85.3	83.7	91.1	87.1	84.9	80.3	77.8	84.6
Pasteurized dairy milk	78.1	73.5	71.8	77.3	72.0	76.8	77.0	77.2	74.5	81.0	71.5	69.8	65.7	74.7
Unpasteurized dairy milk (not including cheese)	0.9	2.4	1.9	1.4	3.5	3.2	1.0	5.7	6.4	0.5	1.2	0.8	3.8	2.8
Powdered milk product	3.1	4.6	3.6	2.7	2.6	1.4	1.3	0.8	1.4	4.7	6.7	3.2	13.3	2.6
Whipped/whipping cream	21.7	15.9	13.3	17.8	13.1	14.4	11.9	12.7	10.4	17.6	23.7	11.4	20.4	15.0
Sour cream	31.1	29.9	30.3	34.5	21.8	15.9	20.1	27.5	21.4	24.8	40.3	21.6	13.8	23.4
Ice cream/gelato	47.2	39.4	43.6	43.8	40.6	40.1	52.8	45.0	49.1	49.8	42.8	42.3	41.8	42.0
Yogurt	62.3	56.3	48.1	48.9	55.7	62.8	64.0	59.8	56.4	61.6	56.7	53.2	60.0	58.2
Any dairy substitutes or non-dairy milk	18.9	15.3	11.8	11.5	16.5	16.1	12.8	11.1	13.6	10.7	24.2	18.5	7.7	15.9

NOTE: s = greater than 0, less than 0.05. If there is a '0.0' value without an 's', value is exactly 0.

EXPOSURE	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL	YT	NT	NU	CANADA
CHEESE														
Any cheese	87.9	87.4	89.2	91.6	86.8	93.5	86.2	88.2	90.4	85.9	92.6	78.7	75.1	88.8
Cheddar	75.5	76.8	72.3	75.9	69.1	74.0	68.6	76.3	78.3	73.3	83.0	67.2	58.2	72.6
Mozzarella	43.4	45.0	43.8	52.2	45.1	54.0	48.6	56.0	48.9	51.9	47.1	44.5	45.5	47.6
Parmesan	47.0	40.0	33.8	42.0	41.9	35.0	37.3	39.7	38.7	32.2	39.8	39.3	34.3	40.1
Gouda	6.3	11.3	5.6	4.0	5.9	7.7	7.5	10.6	4.5	2.1	4.5	8.3	3.7	7.0
Feta	23.8	19.2	16.9	14.2	19.9	16.5	19.1	17.1	14.0	9.9	20.2	16.6	18.5	19.0
Other cheeses sold as blocks/ wheels	28.9	24.0	20.8	20.9	22.8	32.6	21.4	13.1	21.0	17.8	23.8	18.1	13.7	25.5
Brie, camembert or other soft cheese	17.1	6.8	6.0	3.8	11.7	22.2	7.8	4.6	7.2	6.4	18.0	6.4	8.1	13.5
Blue-veined cheese	8.6	3.6	2.5	2.5	5.6	6.1	2.5	7.2	0.7	2.3	4.4	4.2	2.1	5.6
Cottage, ricotta or other fresh cheese	12.4	13.8	18.1	14.6	13.7	13.4	6.4	6.8	5.3	4.9	14.6	7.9	7.0	13.1
Goat/sheep milk cheese	6.0	5.6	4.0	3.1	11.4	9.4	5.8	5.5	5.1	2.5	11.3	6.7	6.5	8.6
Processed cheese	27.4	34.1	44.4	41.7	33.6	42.5	46.8	39.6	30.2	44.6	18.7	29.9	38.1	36.1
Any cheese made with unpasteurized milk	2.7	0.8	2.5	3.5	1.4	10.1	1.7	1.2	1.6	0.2	1.8	3.1	3.4	3.6
FROZEN FOODS														
Frozen vegetables	41.9	49.8	55.4	46.8	40.5	23.9	40.3	47.3	51.8	40.4	50.1	55.1	53.6	38.7
Any frozen fruit	35.7	30.5	25.4	27.8	21.1	18.1	26.4	24.8	30.6	28.6	47.3	41.0	40.5	24.2
Frozen berries	33.5	27.3	22.3	25.8	17.4	16.2	22.5	23.4	23.9	26.8	44.5	39.4	33.5	21.3
Frozen fruit (not including berries)	13.3	14.3	9.7	8.7	8.6	6.7	8.3	5.9	9.7	6.3	15.4	18.3	22.1	9.4
Frozen pizza	17.9	17.5	25.9	20.2	21.8	18.6	22.4	18.8	30.6	21.8	19.4	25.9	33.9	20.1
Frozen pot pies	3.2	2.4	2.7	3.8	3.9	3.9	6.1	4.6	5.7	1.6	4.0	3.4	7.6	3.6
Frozen meals in a bag or box	9.6	9.0	9.3	8.8	9.3	11.1	14.4	8.1	8.9	13.9	6.3	8.9	15.0	9.9
Frozen snack foods/appetizers	5.2	6.4	3.9	6.0	7.8	3.8	5.0	7.0	11.8	7.0	12.8	4.1	6.6	6.1

NOTE: s=greater than 0, less than 0.05. If there is a '0.0' value without an 's', value is exactly 0.

EXPOSURE	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL	YT	NT	NU	CANADA
DRIED, PROCESSED & OTHER														
Dried fruit	42.6	34.7	28.5	31.1	35.7	25.0	27.5	31.9	34.3	31.5	46.6	35.5	43.6	33.2
Granola bars, power bars, or other protein bars	41.0	43.3	32.9	36.1	36.3	34.4	40.8	37.4	46.4	50.9	34.7	44.9	39.7	37.5
Chips or pretzels	59.4	54.5	58.1	56.6	53.6	48.9	64.1	49.1	60.9	58.7	57.9	59.8	69.1	53.9
Chocolate or chocolate-containing candy	68.8	66.3	60.8	66.6	64.0	59.5	64.5	65.5	62.1	64.6	67.1	71.4	68.3	63.9
Cold breakfast cereal	52.6	54.6	52.0	61.1	54.3	53.7	50.7	60.7	64.2	54.6	51.1	52.5	61.9	54.3
Hot breakfast cereal	33.6	37.9	33.1	30.4	28.5	18.9	30.3	33.4	28.4	34.4	40.5	44.1	37.1	28.5
Tofu	14.3	5.9	2.9	5.6	8.2	9.2	5.7	6.0	1.5	2.6	5.5	6.2	3.9	8.5
Dietary or nutritional supplement	34.4	35.9	27.2	32.6	31.7	16.6	20.5	22.0	22.3	27.1	46.8	28.7	16.1	28.2
ETHNIC FOODS & FAST FOODS														
Asian style foods	31.8	31.6	26.4	27.4	29.4	22.1	17.1	23.1	17.7	18.6	24.8	25.8	13.3	27.4
Indian style foods	23.9	14.7	9.2	7.9	16.2	5.5	8.0	12.5	7.7	3.7	8.9	10.6	6.3	13.5
Mexican style foods	24.7	20.6	16.8	26.5	15.0	11.9	13.6	17.0	12.8	16.6	22.6	17.0	19.6	16.7
Meal from a fast food restaurant	56.6	45.5	50.1	54.4	53.5	57.1	52.0	48.4	53.8	49.8	65.7	63.5	82.5	53.6
BABY FOODS[†]														
Any baby formula	25.5	24.9	28.1	24.6	22.2	20.9	23.6	27.2	32.7	19.0	7.0	27.5	52.1	23.1
Liquid	10.1	9.2	12.4	12.0	9.9	13.6	9.4	7.7	18.4	4.6	1.9	6.3	14.3	10.9
Powder	22.0	20.9	18.0	16.7	19.2	14.4	15.7	22.3	24.1	19.0	7.0	25.8	52.1	18.5
Store-bought pureed baby food	25.3	22.4	27.9	28.3	18.8	18.9	15.7	18.4	25.4	13.3	29.8	24.6	18.7	20.5
Infant/toddler cereal	22.0	15.8	31.6	24.0	16.9	34.1	22.2	21.3	33.3	17.6	20.5	31.1	30.6	22.9
WATER														
Primary drinking water source														
Municipal water	77.9	74.6	66.5	63.4	69.5	66.9	33.5	45.2	34.1	63.7	63.4	71.8	76.0	68.5
Private well	7.1	6.3	7.2	14.3	8.9	10.2	46.3	40.2	55.6	13.4	18.5	0.1	2.3	10.8
Store-bought bottled water	12.1	17.6	24.4	19.5	19.8	21.6	18.4	12.4	9.9	17.0	9.6	17.7	7.3	18.8
Raw water consumption	3.2	1.2	1.4	2.4	2.7	1.6	6.2	4.4	1.1	11.6	4.3	10.6	29.6	2.6
Swim or go into any water	18.6	12.8	9.9	10.8	13.3	11.3	12.9	10.7	11.4	9.1	21.4	12.5	1.1	13.1

NOTE: s=greater than 0, less than 0.05. If there is a '0.0' value without an 's', value is exactly 0.

[†] Baby food consumption questions were asked only of proxy respondents answering on behalf of those who were <2 years old.

EXPOSURE	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL	YT	NT	NU	CANADA
Swim or go into any natural water	9.6	2.5	2.7	2.5	3.4	2.9	3.6	5.4	4.4	3.1	5.8	3.2	0.8	4.0
Ocean	6.7	0.1	0.0	0.0	0.5	0.1	0.8	3.5	3.8	0.7	0.4	0.0	0.0	1.2
Lake	3.3	1.7	2.7	2.2	3.0	2.4	2.1	2.0	0.3	2.1	3.2	1.9	0.7	2.6
River	1.0	0.8	0.0	0.4	0.9	0.7	1.7	0.7	0.6	1.5	0.9	1.4	0.1	0.8
Natural hot spring	0.2	0.1	0.0	0.0	0.5	0.2	0.0	0.0	0.0	0.3	2.2	0.0	0.0	0.3
Pool	13.0	10.1	5.5	8.3	9.3	9.4	9.0	7.3	7.5	6.6	15.1	9.9	0.6	9.7
Hot tub	5.7	6.5	3.7	4.2	3.3	1.3	2.0	1.0	1.8	1.1	12.2	6.3	0.0	3.4
Recreational waterpark	1.3	1.5	1.9	1.2	1.7	1.9	1.1	0.7	0.8	1.3	1.6	1.8	0.0	1.6
Swim or go into a swimming facility in the last 4 weeks	25.5	23.0	18.5	17.3	20.3	13.4	15.3	19.1	15.1	18.6	28.9	22.2	3.9	19.3
ANIMAL CONTACT														
Any contact with animals, animal waste, habitat or food	66.8	64.9	67.2	65.2	62.8	57.5	76.2	77.3	74.9	69.1	70.2	60.2	40.5	63.4
Cat	34.1	30.6	31.8	27.8	31.0	31.1	37.9	46.2	38.9	34.9	25.4	17.6	8.9	31.9
Dog	50.7	48.3	51.2	49.3	42.2	34.0	51.9	52.3	55.2	50.0	60.0	51.2	32.9	43.3
Bird	3.3	4.5	3.0	2.2	1.8	2.5	2.1	2.3	7.9	1.6	2.7	0.5	2.0	2.6
Reptile	1.1	1.2	2.5	1.5	2.1	1.2	4.2	1.3	0.9	1.0	5.2	0.3	0.3	1.6
Amphibian	2.9	0.7	0.7	0.8	1.0	0.9	1.6	0.9	1.0	0.7	0.6	0.0	0.3	1.2
Rodent or pocket pet	2.7	4.3	4.6	2.4	3.3	3.6	3.5	3.6	5.0	2.6	3.5	4.3	1.1	3.4
Fish or aquarium	3.7	4.2	3.7	7.1	5.8	2.9	5.2	4.1	5.7	3.9	5.7	4.8	1.9	4.5
Cow	2.0	6.3	5.4	5.6	2.8	1.5	0.8	1.3	9.1	0.9	0.1	0.1	0.0	2.8
Goat, sheep or lamb	2.9	3.7	2.7	1.1	2.1	1.0	1.9	1.8	1.8	0.7	1.0	0.0 ^s	0.0	2.1
Horse	4.2	7.3	5.4	5.1	2.6	2.0	2.3	3.5	7.3	4.5	5.2	0.9	0.0	3.4
Pig	1.1	1.3	2.1	1.7	1.6	0.4	0.2	0.0 ^s	5.3	0.2	0.3	0.0	0.0	1.2
Poultry/baby poultry	3.8	3.0	3.7	4.2	2.6	2.4	1.9	1.9	6.7	2.7	3.6	0.3	0.6	2.8
Handled any dry pet food	47.4	43.1	42.3	44.8	43.8	36.5	57.8	51.4	51.2	45.8	52.2	38.4	23.8	43.0
Handled any canned/wet pet food	14.0	12.9	9.7	12.2	13.7	6.9	12.7	22.3	11.9	18.2	8.3	10.9	9.4	12.1
Handled any raw pet food (store-bought or home-made)	4.8	4.4	3.4	3.0	3.7	3.1	2.8	3.1	6.7	6.2	6.0	3.0	3.8	3.8

NOTE: s=greater than 0, less than 0.05. If there is a '0.0' value without an 's', value is exactly 0.

EXPOSURE	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL	YT	NT	NU	CANADA
Handled any treats derived from animal parts	11.0	10.9	9.4	8.1	8.5	4.9	7.6	11.8	12.1	4.0	11.9	13.2	7.1	8.3
Handled any processed animal treats	25.7	22.2	21.9	24.0	25.4	18.2	33.7	29.6	24.6	21.1	29.3	22.7	9.0	23.5
Handled any rodents/insects for reptiles	0.8	0.8	2.0	2.2	1.3	1.6	4.0	0.8	0.4	0.8	5.0	1.4	0.1	1.3
Handled any farm animal/livestock feed	4.6	7.1	5.1	5.6	3.2	2.8	0.9	3.9	8.9	1.5	5.7	0.4	1.7	3.8
Visited any petting zoo	0.5	0.7	1.0	0.5	1.9	0.5	2.5	0.4	1.6	0.0	0.0	0.0	0.0	1.1
Visited any farm or barn	8.0	10.0	10.4	9.1	7.4	3.1	5.7	9.0	15.0	5.1	6.2	1.5	0.0	6.9
Visited any agricultural fair	2.0	2.5	0.8	0.3	1.1	0.8	1.6	1.6	1.2	0.4	0.2	0.2	0.0	1.3
Visited any pet store	6.0	5.3	5.4	2.8	4.7	3.6	2.8	3.1	2.0	2.7	3.9	2.8	0.1	4.5

NOTE: s = greater than 0, less than 0.05. If there is a '0.0' value without an 's', value is exactly 0.

TABLE 7: Weighted proportions of food, animal and water exposures in the past seven days, by month

EXPOSURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	OVERALL
VEGETABLES													
Any tomatoes	63.0	72.1	68.7	70.9	69.3	76.9	83.7	83.6	78.0	71.4	70.4	66.4	72.9
On a sandwich, burger or taco at restaurant or fast food establishment	17.6	23.0	14.6	21.8	12.9	25.2	29.0	21.7	29.8	14.1	24.3	16.3	20.4
Roma/plum	23.4	24.9	25.4	20.4	21.9	25.6	25.4	22.9	37.2	29.9	28.7	22.2	25.7
Hothouse	32.3	36.3	39.7	38.8	40.5	50.1	52.3	34.9	34.1	29.1	35.9	36.5	38.3
Beefsteak	11.3	9.6	7.4	7.1	9.7	11.2	15.6	28.1	17.4	11.3	7.4	7.9	12.2
Cherry or grape	32.0	22.5	30.1	30.0	27.3	29.9	43.6	47.8	39.5	34.9	27.4	26.6	32.8
Any lettuce or leafy greens	76.2	83.1	83.0	84.9	82.5	87.7	90.1	84.1	84.4	79.1	81.2	75.3	82.4
On a sandwich, burger or taco at restaurant or fast food establishment	23.5	24.2	16.7	24.5	22.4	30.3	29.9	23.3	36.6	15.7	23.5	22.7	24.3
Iceberg	41.2	45.0	44.5	48.1	42.0	40.2	42.5	47.6	39.4	27.0	40.8	39.1	41.1
Romaine	43.7	47.4	45.4	53.6	51.5	48.1	58.2	49.3	52.8	50.6	43.1	43.0	48.8
Spinach	29.8	29.3	24.4	29.1	33.9	30.1	37.2	27.1	24.7	25.7	23.5	22.9	28.4
Mesclun greens	16.7	17.5	17.3	9.6	18.8	23.1	16.5	7.0	15.2	11.1	11.4	13.4	15.0
Pre-packaged lettuce or leafy greens	47.3	49.1	46.7	50.3	51.2	39.2	51.7	37.9	45.6	48.1	43.6	40.8	46.1
Cabbage (includes coleslaw)	22.8	27.0	35.6	33.0	30.5	26.3	31.0	25.0	34.1	24.5	36.0	35.2	30.0
Any sprouts	13.2	12.6	17.2	16.8	14.5	9.7	14.4	14.0	10.9	10.7	11.8	10.3	12.9
Alfalfa sprouts	2.5	1.4	2.7	6.7	3.0	2.1	2.1	1.1	3.0	2.7	1.2	3.3	2.4
Bean sprouts	10.9	9.8	11.9	12.1	8.9	6.7	6.3	11.5	7.8	7.4	7.9	5.3	8.7
Cucumbers	51.8	65.6	63.0	56.9	61.6	65.2	76.0	74.7	67.7	52.2	56.2	59.4	62.9
Bell peppers	63.5	74.1	67.9	65.6	58.8	61.6	69.9	54.7	64.3	62.1	61.0	65.5	63.6
Hot peppers	22.4	18.3	17.4	22.1	13.4	16.6	12.9	19.8	21.7	29.9	21.3	21.7	19.4
Celery	51.9	48.8	42.0	50.4	48.1	47.0	50.9	46.8	40.6	43.1	49.9	52.4	47.6
Any carrots	80.5	84.8	81.7	81.7	84.5	71.4	82.9	76.4	76.2	80.9	87.1	85.2	81.4
Carrots (not mini)	69.1	70.0	69.9	65.3	71.5	57.7	64.6	66.7	69.7	65.1	78.9	72.8	68.9
Mini carrots	36.6	38.8	35.2	39.4	40.0	34.7	37.0	32.9	33.0	34.1	34.6	34.8	35.9

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EXPOSURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	OVERALL
Peas (shelled or in pods)	28.8	26.7	32.3	25.5	25.1	26.0	27.7	40.8	24.7	27.4	30.8	28.1	28.8
Green or yellow beans	33.6	34.7	34.3	38.1	29.6	27.6	40.8	50.9	39.6	33.4	42.2	34.9	36.6
Broccoli	56.8	54.9	58.5	59.5	56.3	55.5	53.6	42.4	55.3	60.1	63.2	54.3	55.5
Cauliflower	31.9	46.8	36.7	28.4	30.2	32.7	26.0	38.1	36.3	31.9	32.1	25.9	33.0
Leeks	8.1	8.6	7.2	9.7	5.8	4.8	6.4	11.7	11.6	10.2	13.9	13.5	9.2
Fresh garlic (not powdered)	53.1	53.3	44.9	53.2	43.1	49.0	52.3	41.6	51.6	53.9	48.6	49.2	48.9
Mushrooms	44.7	44.6	53.5	52.0	47.8	50.3	51.7	52.7	56.4	41.0	52.5	55.0	50.0
Zucchini	16.8	26.1	18.9	13.9	20.7	16.4	23.8	28.6	21.9	20.6	20.2	18.4	21.1
Any onions	82.6	81.3	84.3	83.0	81.0	82.7	80.2	85.6	85.0	83.8	80.9	82.8	82.7
White/yellow onions	76.6	74.9	74.8	71.4	70.7	74.5	74.2	68.4	76.8	76.5	71.5	73.5	73.5
Red onions	29.1	27.6	33.3	38.0	27.2	39.6	33.9	46.4	32.9	26.1	32.6	26.9	32.2
Green onions	30.5	29.8	31.6	34.7	31.1	42.4	43.2	33.9	42.0	36.3	29.9	25.1	34.0
Vegetable juice	13.7	18.5	17.9	26.2	21.4	17.7	12.6	15.0	13.4	17.4	23.2	25.1	18.2
HERBS & SPICES													
Any fresh herbs	40.0	42.7	47.3	47.9	40.7	49.1	59.2	61.8	48.4	42.2	49.1	43.0	47.5
Fresh Thai basil	7.9	8.6	7.2	10.3	9.8	10.1	13.4	12.3	10.2	6.4	6.0	8.7	9.2
Fresh basil	10.6	12.1	16.1	19.0	10.5	20.5	29.0	23.1	26.1	16.0	15.9	18.7	17.8
Fresh cilantro/coriander	14.5	17.2	21.1	14.7	16.2	21.0	17.9	15.4	15.0	21.5	23.4	13.0	17.6
Fresh tarragon	1.2	4.1	1.8	4.1	4.1	8.8	3.8	2.7	2.2	2.2	1.5	2.5	3.2
Fresh parsley	23.9	18.0	23.5	23.0	21.7	27.6	35.1	36.9	23.6	20.2	30.5	27.5	26.1
Other fresh herbs	16.6	16.5	19.7	24.3	17.7	33.5	36.3	38.5	31.2	15.5	25.1	16.5	24.0
Any spices	91.5	92.9	88.4	89.6	90.4	88.1	92.7	91.9	88.1	89.2	93.5	90.3	90.7
Pepper (whole/ground, white, black, blended)	85.2	86.8	84.1	84.7	85.7	84.2	86.1	84.5	84.0	83.8	86.5	81.9	84.8
Curry powder	17.2	13.9	18.9	19.9	16.5	16.2	18.2	15.5	15.7	20.5	21.8	18.4	17.6
Paprika	22.9	22.1	19.2	28.7	20.1	25.0	30.9	22.9	24.5	15.9	19.1	19.8	22.2
Turmeric	17.9	23.1	15.2	10.9	11.1	17.2	16.3	15.2	15.1	13.3	19.2	11.7	15.4
Other spices	55.9	55.8	46.6	50.7	47.0	47.9	51.9	46.5	51.7	48.2	44.1	41.5	48.8

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EXPOSURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	OVERALL
STORE-BOUGHT PREPARED SALADS & DIPS													
Any store-bought prepared salad	9.3	12.1	12.2	16.6	15.8	22.3	19.5	12.8	14.3	10.7	11.2	18.7	14.5
Green salad	6.6	9.8	7.8	12.4	7.6	12.4	13.5	5.4	10.5	6.1	7.2	12.6	9.0
Coleslaw	1.2	2.9	2.2	4.1	4.5	4.9	5.6	4.2	2.6	3.0	3.9	6.3	3.8
Potato salad	0.3	0.9	1.5	1.5	2.8	5.0	5.1	4.0	1.4	0.8	1.0	5.5	2.6
Pasta salad	0.9	0.9	2.2	1.2	2.4	6.2	1.7	2.1	0.9	0.8	1.1	1.9	1.8
Fruit salad/pre-cut fruit/fruit platter	0.7	1.0	3.1	2.6	3.5	8.0	8.4	2.8	1.0	1.2	2.8	1.7	3.1
Salsa	21.5	24.8	22.4	30.3	22.9	22.3	23.3	23.3	22.0	17.2	17.5	18.4	21.7
Hummus	15.1	13.5	16.6	9.5	9.5	13.8	15.1	9.1	12.1	15.3	19.9	11.5	13.4
FRUITS													
Apples	74.5	74.7	76.7	73.7	73.4	69.1	62.5	58.8	65.5	80.5	82.3	77.8	72.3
Pears	23.9	21.0	20.8	28.4	26.2	22.6	17.2	24.3	20.4	24.9	31.6	27.3	23.9
Peaches	5.5	6.1	7.0	3.4	8.3	14.0	25.3	42.6	40.0	10.1	12.0	8.2	16.0
Nectarines	6.9	12.5	11.1	6.6	7.7	13.6	26.3	18.5	16.2	6.5	8.9	12.7	12.6
Apricots	2.0	3.3	1.8	4.7	4.0	10.2	6.3	9.2	7.3	0.9	2.2	4.3	4.6
Plums	6.9	5.8	11.9	4.0	4.7	12.0	19.5	29.8	21.3	12.4	10.0	8.6	12.7
Citrus fruit	70.1	75.6	71.6	71.3	65.2	59.5	62.2	53.4	56.6	55.3	69.0	75.5	65.0
Cherries	5.9	7.5	4.0	2.9	3.6	14.4	56.1	41.9	11.6	4.7	8.5	5.3	14.7
Grapes	48.8	53.2	53.5	49.5	48.6	54.4	54.6	55.3	48.3	53.8	56.7	51.8	52.3
Bananas	71.1	76.6	78.3	84.5	77.2	75.4	75.0	76.7	72.7	81.1	76.3	80.4	76.7
Mangoes	10.8	17.2	12.1	15.4	18.7	25.7	25.5	16.3	11.0	10.3	11.7	13.6	15.7
Papaya	2.8	1.5	2.8	6.4	3.5	2.7	4.2	3.1	1.0	1.2	3.7	6.1	3.1
Kiwi	16.2	12.8	15.8	18.2	13.5	11.6	13.4	9.5	5.4	6.1	14.9	14.2	12.3
Pomegranate	9.4	7.6	4.3	1.6	4.4	5.9	5.2	5.6	3.7	5.8	17.6	20.1	7.8
Pineapple	23.4	26.4	32.5	36.8	37.8	39.2	36.9	26.6	19.5	24.7	28.7	28.7	30.0
Avocado (includes guacamole)	21.7	30.2	31.5	22.5	27.3	29.1	34.0	17.7	18.2	25.4	25.6	26.7	26.0
Olives	23.0	29.8	30.0	32.4	23.8	37.4	26.9	23.2	30.8	23.2	22.7	31.8	27.2

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EXPOSURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	OVERALL
Any melon	22.0	32.2	32.6	41.8	40.3	56.3	62.1	59.3	45.8	30.7	30.5	23.0	39.7
Cantaloupe	14.3	24.5	25.4	25.4	25.8	21.2	30.7	31.6	22.9	21.9	20.0	17.1	23.5
Honeydew	8.7	12.2	11.8	18.3	15.5	24.3	19.0	17.9	13.1	8.4	12.1	8.4	13.8
Watermelon	9.8	9.9	10.9	22.7	24.9	42.0	46.7	45.5	32.5	10.5	12.6	13.0	23.7
Any berries	55.2	56.7	64.0	65.4	68.3	72.0	82.2	77.5	68.6	55.2	58.3	54.7	65.2
Strawberries	42.3	44.6	55.0	60.9	60.5	66.3	74.2	54.2	48.2	33.0	36.9	22.2	49.6
Raspberries	22.2	22.7	22.4	17.6	24.6	28.5	38.0	27.0	30.2	24.6	31.1	33.8	27.5
Blueberries	21.6	32.3	31.9	18.7	22.0	26.9	50.4	52.2	36.1	26.7	26.3	22.1	31.3
Blackberries	12.3	11.8	10.8	6.0	11.2	7.0	14.1	10.3	10.4	5.5	13.2	9.5	10.5
Unpasteurized fruit juice	8.6	11.2	5.0	8.9	4.6	7.3	5.3	8.9	8.8	13.5	6.5	7.8	7.8
Fruit smoothies	17.1	24.2	16.7	22.5	18.6	17.3	29.1	18.4	22.4	18.0	17.7	16.8	19.8
NUTS AND NUT PRODUCTS													
Peanut butter	62.3	46.5	56.8	57.0	57.7	52.2	61.7	48.4	53.7	47.0	62.5	53.4	55.0
Other nut paste, butter or spread	15.9	17.6	18.4	25.1	20.0	15.5	20.5	14.2	21.0	11.0	19.7	23.4	18.3
Any nuts	61.7	64.6	64.3	65.2	60.4	63.3	73.4	59.9	63.4	71.1	67.6	71.1	65.4
Peanuts (not including peanut butter)	36.6	31.5	29.8	28.0	29.3	35.4	39.8	33.4	28.1	32.6	35.7	40.6	33.6
Almonds	36.2	38.2	40.9	38.9	41.0	34.1	44.0	39.3	46.2	46.5	39.1	43.5	41.0
Walnuts	14.9	24.7	13.1	14.8	15.9	18.1	18.5	22.6	16.0	20.5	17.5	23.6	18.5
Hazelnuts (Filberts)	7.5	7.7	7.8	10.6	8.0	6.8	10.5	16.8	12.1	11.0	7.1	14.1	10.1
Cashews	27.0	27.1	31.8	22.3	22.7	22.5	28.3	29.5	29.3	25.2	28.6	25.8	26.8
Pecans	10.7	13.6	10.3	14.9	9.7	11.7	23.9	15.8	15.4	9.5	11.3	10.2	12.9
SEEDS AND SEED PRODUCTS													
Sunflower seeds	13.8	22.5	16.6	16.6	20.2	15.2	21.5	17.5	19.5	14.3	17.5	21.3	18.3
Sesame seeds	17.0	19.6	16.0	14.4	16.5	24.1	17.2	15.8	18.9	19.6	15.2	12.4	17.1
Tahini, halva or other products made from sesame seeds	4.0	8.3	8.1	4.3	5.0	9.9	13.4	3.4	10.8	5.1	5.6	3.7	6.8
BEEF													
Any beef (not including deli-meat)	79.9	77.5	78.5	77.1	81.4	74.2	85.5	75.6	80.9	75.1	74.0	77.6	78.4
Raw beef	0.3	0.5	0.5	0.9	1.6	1.2	1.3	0.4	0.3	0.3	1.2	0.3	0.8

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EXPOSURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	OVERALL
Steak	30.4	25.2	25.2	28.3	37.4	29.1	42.0	35.9	36.4	28.6	22.6	23.1	31.1
Stewing beef	14.7	23.2	18.1	15.6	12.2	3.9	8.6	9.9	12.5	10.3	18.0	20.3	13.8
Other whole-cut beef products	24.2	23.2	24.6	20.1	20.0	10.3	16.7	20.9	21.2	16.8	20.1	20.6	20.0
Any ground beef	67.1	64.4	63.1	59.3	64.5	64.3	69.2	61.6	65.9	57.8	58.1	62.3	63.4
Any hamburgers	36.4	28.4	34.7	38.2	46.6	46.7	51.2	45.9	42.7	35.4	30.1	26.9	39.1
Home-made	15.0	18.7	22.3	14.7	28.0	32.3	28.7	26.7	24.3	17.6	13.4	13.6	21.9
Store-bought frozen beef patties	2.1	3.5	5.3	10.9	12.8	14.6	14.1	12.0	8.4	6.9	4.7	4.3	8.4
From a restaurant or fast food establishment	23.2	9.7	12.7	19.4	17.0	16.7	21.2	14.2	15.8	15.9	15.1	12.8	16.1
Any other ground beef	54.1	51.5	49.9	42.1	45.9	39.4	38.3	35.6	43.7	38.3	40.9	51.1	44.3
Ground beef consumed raw or undercooked	0.8	0.4	0.7	0.4	1.0	0.8	0.3	0.3	0.0 ^s	0.2	1.5	1.4	0.7
PORK													
Any pork	54.7	55.0	53.8	57.4	52.7	56.1	53.2	60.0	61.2	50.4	50.6	58.4	55.1
Ham (not including deli-meat)	17.2	9.7	13.8	21.6	14.9	10.7	9.3	20.1	12.6	18.8	12.3	21.2	15.0
Bacon	27.6	28.5	21.9	25.5	26.1	28.3	28.1	28.0	33.3	21.6	26.6	30.5	27.2
Ground pork	9.2	7.5	8.5	8.0	6.3	6.3	4.5	11.4	9.2	10.4	4.8	13.3	8.3
Pork pieces or parts	34.8	36.1	35.3	36.5	32.5	30.5	31.3	37.1	34.8	35.6	29.5	32.2	33.7
POULTRY													
Any poultry	87.9	87.7	86.0	86.1	87.8	78.6	89.6	86.9	91.1	91.9	86.0	87.4	87.6
Any chicken (not including deli-meat)	85.3	87.1	84.9	83.1	87.3	77.0	89.0	85.9	88.9	83.8	84.7	85.5	85.6
Store-bought breaded chicken	18.0	16.6	20.5	17.2	20.6	12.0	14.0	16.2	16.6	15.0	13.2	15.5	16.5
Ground chicken	2.8	5.8	4.5	3.0	4.9	6.8	5.2	3.5	5.7	7.9	8.0	4.7	5.3
Chicken pieces or parts	75.1	65.6	70.4	67.9	73.1	61.2	73.1	67.7	70.3	68.8	69.9	71.3	70.0
Chicken from a restaurant or fast food establishment	18.0	25.1	23.0	16.8	21.4	20.5	29.8	19.7	21.1	15.4	17.7	20.0	21.0
Any turkey (not including deli-meat)	16.0	6.1	9.1	13.2	9.7	8.8	8.9	15.1	7.3	26.7	8.0	12.3	11.8
Turkey bacon	0.1	0.5	0.7	0.4	0.5	1.1	0.3	0.7	0.5	1.0	0.3	0.4	0.5
Ground turkey	3.5	1.2	3.2	1.5	2.5	4.5	4.3	2.5	2.0	1.1	2.0	1.9	2.5
Turkey pieces or parts	11.8	3.9	4.8	9.3	5.6	3.5	4.0	11.6	5.0	24.1	5.9	9.6	8.3
Other poultry (not including deli-meat)	1.7	2.6	3.1	3.9	2.7	0.7	2.7	1.3	2.7	2.5	1.3	2.9	2.3

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EXPOSURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	OVERALL
DELI-MEAT													
Any deli-meat/cold cuts	51.1	45.8	50.0	43.1	46.6	49.9	61.7	54.5	52.8	42.9	43.3	45.7	49.3
Chicken	9.4	6.7	5.3	8.9	9.5	8.5	12.9	9.3	13.2	6.3	11.8	7.6	9.2
Turkey	13.2	8.6	13.3	12.4	11.2	8.0	22.2	12.6	14.0	13.0	9.5	9.3	12.4
Ham	31.7	27.1	27.7	26.5	27.9	22.4	29.1	33.7	34.4	23.8	24.2	26.3	28.2
Beef	6.7	6.7	8.8	4.0	7.5	8.1	13.2	8.3	7.4	5.0	2.6	6.3	7.3
Bologna	7.8	6.9	6.4	8.3	8.7	13.8	12.9	10.2	7.8	5.7	8.0	6.2	8.5
Salami	12.2	7.7	13.8	9.0	8.8	10.7	10.8	17.0	10.5	8.3	10.6	14.6	11.3
Pepperoni	8.5	10.8	11.9	10.3	10.1	6.8	12.6	10.8	9.0	6.9	6.4	12.0	9.7
Kielbasa	1.9	1.6	3.3	1.4	4.7	2.6	4.8	2.6	2.2	2.5	1.8	2.7	2.9
OTHER MEAT / ANIMAL PRODUCTS													
Hot dogs	18.8	16.8	19.9	24.3	32.8	33.4	43.0	38.6	27.3	19.9	15.6	24.2	26.9
Sausage	25.0	32.8	31.3	30.7	30.3	36.4	35.2	38.2	28.8	21.1	26.6	34.2	30.8
Dried meat products	10.3	5.7	8.0	10.1	6.1	3.9	6.7	9.7	8.5	8.7	5.0	7.7	7.4
Pâté/meat spread	5.9	8.8	2.2	4.0	6.4	5.3	7.5	4.6	4.5	5.6	2.9	5.0	5.3
Lamb	4.5	3.4	5.0	2.9	6.1	7.3	8.4	4.6	5.0	3.7	3.4	6.9	5.3
Veal	4.7	5.0	6.4	6.4	4.7	1.4	4.3	4.7	5.9	2.7	4.6	7.6	4.8
Goat	0.3	7.6	1.3	0.7	2.1	0.3	0.6	4.7	0.0	4.8	2.1	2.8	2.4
Organ meats or offal	2.2	1.6	3.2	3.2	5.8	3.7	5.7	8.6	1.3	6.3	3.2	2.8	4.2
Shawarma or donair	1.9	8.2	3.2	1.3	1.4	1.8	2.7	2.5	6.6	1.8	5.1	4.1	3.4
FISH & SEAFOOD													
Any fish	55.3	63.5	58.8	57.3	51.7	61.1	57.5	55.3	45.9	56.3	53.2	57.0	55.6
Smoked fish	7.8	11.6	7.1	7.2	7.1	5.7	7.6	4.7	5.4	8.5	6.2	10.4	7.4
Raw fish	7.9	7.0	7.0	5.2	5.2	4.7	11.2	2.3	7.2	5.0	5.5	12.4	6.8
Any shellfish	17.0	24.3	19.1	13.4	13.7	16.5	17.9	18.0	17.3	16.0	12.7	15.9	16.8
Mussels	3.0	3.7	1.5	1.6	2.8	0.9	2.6	1.3	1.0	0.9	2.7	1.7	2.0
Clams	0.2	2.8	0.9	0.7	1.6	0.9	1.8	8.7	1.0	3.4	0.5	1.0	2.1
Scallops	2.8	6.3	3.4	3.0	2.6	2.7	2.5	2.5	1.2	7.4	2.3	6.1	3.5

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EXPOSURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	OVERALL
Shrimp/prawns	15.6	19.7	18.1	11.8	9.4	14.1	13.9	15.6	13.3	14.4	11.2	14.0	14.1
Crab	2.0	4.4	2.6	1.7	3.2	1.2	6.7	2.1	1.3	1.4	1.6	4.9	2.9
Lobster	1.0	1.6	2.3	0.6	2.1	4.0	2.8	8.7	0.5	2.2	0.6	1.3	2.4
Any oysters	0.8	2.0	0.9	0.2	0.8	0.5	1.5	0.7	1.4	1.0	0.7	1.3	1.0
Raw oysters	0.3	1.0	0.1	0.0	0.2	0.4	0.1	0.3	0.9	0.8	0.6	0.6	0.4
EGGS													
Any eggs	83.1	83.2	85.8	81.9	80.4	82.9	79.2	72.5	80.9	80.1	81.3	80.2	80.7
Raw or undercooked eggs	12.6	15.8	13.9	16.5	15.3	23.7	15.6	10.8	13.6	16.7	14.5	14.4	15.0
DAIRY / DAIRY SUBSTITUTES													
Any dairy products (not including cheese)	85.6	87.5	86.0	80.8	82.8	85.8	90.2	85.0	86.2	78.5	82.6	83.3	84.6
Pasteurized dairy milk	76.1	81.5	76.4	69.7	71.7	73.5	82.1	71.4	69.8	69.1	76.7	76.8	74.7
Unpasteurized dairy milk (not including cheese)	5.6	3.1	1.6	2.4	3.1	3.3	2.9	5.5	0.4	2.8	0.9	1.3	2.8
Powdered milk product	1.5	1.3	2.3	2.0	2.9	2.0	1.9	1.4	4.4	5.2	3.8	1.6	2.6
Whipped/whipping cream	12.8	17.5	18.6	13.6	15.7	16.5	20.4	13.3	12.3	13.5	12.1	13.4	15.0
Sour cream	24.8	23.1	26.9	23.6	25.8	17.7	29.1	18.8	21.8	21.6	19.0	26.4	23.4
Ice cream/gelato	38.6	35.8	40.1	40.8	45.6	47.5	59.6	56.7	39.5	31.1	31.0	32.3	42.0
Yogurt	55.2	67.3	66.3	52.1	57.1	60.0	62.8	60.1	52.4	49.3	62.7	51.7	58.2
Any dairy substitutes or non-dairy milk	16.5	15.1	17.2	18.0	17.9	18.7	14.2	11.2	16.4	17.1	16.2	14.4	15.9
CHEESE													
Any cheese	85.2	82.0	92.0	87.4	89.9	87.3	91.8	88.5	92.6	86.4	89.5	90.6	88.8
Cheddar	70.6	67.4	75.5	73.5	73.6	70.8	80.8	70.7	73.6	63.7	74.5	74.5	72.6
Mozzarella	55.6	39.5	53.6	48.2	47.5	37.3	49.5	36.5	48.7	52.6	46.0	54.7	47.6
Parmesan	43.6	36.9	46.9	44.7	38.4	42.9	42.9	42.5	39.7	32.3	37.5	37.9	40.1
Gouda	8.3	8.0	5.6	8.0	7.2	6.0	7.6	5.1	8.9	7.2	7.5	5.4	7.0
Feta	11.8	15.9	19.7	20.9	17.4	23.9	24.7	26.2	24.2	14.6	13.8	16.1	19.0
Other cheeses sold as blocks/wheels	22.9	24.6	31.5	28.5	27.6	26.2	26.7	17.3	27.1	26.8	22.5	26.3	25.5

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EXPOSURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	OVERALL
Brie, camembert or other soft cheese	13.7	17.5	16.1	11.4	11.5	17.2	17.0	8.6	9.6	12.4	12.4	15.8	13.5
Blue-veined cheese	5.0	7.7	8.1	3.6	3.4	6.7	11.1	3.1	3.8	5.7	3.8	5.0	5.6
Cottage, ricotta or other fresh cheese	14.4	10.4	15.1	13.6	12.9	14.0	22.8	11.0	9.5	6.8	12.8	13.6	13.1
Goat/sheep milk cheese	11.7	10.8	7.6	6.1	6.4	13.4	11.1	5.7	8.8	7.9	8.1	6.7	8.6
Processed cheese	38.0	28.3	42.1	40.0	35.4	36.0	43.4	33.3	39.6	33.3	33.6	32.8	36.1
Any cheese made with unpasteurized milk	1.7	3.6	3.9	2.3	5.1	2.3	2.5	2.2	2.9	2.2	2.9	9.7	3.6
FROZEN FOODS													
Frozen vegetables	45.8	40.6	45.5	44.1	43.5	29.6	29.1	37.4	29.4	43.4	36.7	39.6	38.7
Any frozen fruit	26.3	28.9	25.3	27.0	29.0	17.5	21.2	20.1	18.3	25.0	25.4	24.7	24.2
Frozen berries	24.3	23.8	23.3	22.6	25.3	16.2	17.1	17.1	16.5	21.2	23.2	23.7	21.3
Frozen fruit (not including berries)	8.5	10.3	7.0	10.2	11.9	6.0	11.0	7.9	7.6	11.7	8.8	9.6	9.4
Frozen pizza	23.1	21.3	24.5	21.9	21.6	20.3	17.0	14.8	13.4	16.9	23.8	24.4	20.1
Frozen pot pies	4.6	2.3	2.9	3.3	3.9	8.8	1.8	2.5	2.6	2.2	4.4	5.2	3.6
Frozen meals in a bag or box	9.1	7.6	11.4	11.3	9.7	6.7	13.2	8.3	11.1	7.1	11.8	11.3	9.9
Frozen snack foods/appetizers	5.0	5.4	5.3	5.8	4.5	12.3	4.5	6.3	6.2	6.2	4.8	8.9	6.1
DRIED, PROCESSED & OTHER													
Dried fruit	34.9	38.3	34.6	34.8	35.8	35.3	33.8	30.3	29.7	28.0	30.0	34.5	33.2
Granola bars, power bars, or other protein bars	33.5	33.8	43.5	42.4	31.9	35.5	37.1	37.3	39.0	37.5	39.4	45.0	37.5
Chips or pretzels	58.7	50.1	52.7	46.7	52.6	55.5	57.1	52.9	56.6	54.7	53.3	51.2	53.9
Chocolate or chocolate-containing candy	70.4	69.8	68.4	72.3	59.8	57.7	58.8	61.2	60.6	66.2	64.7	65.1	63.9
Cold breakfast cereal	49.2	55.6	51.7	53.9	52.8	51.3	60.3	61.0	53.2	45.7	55.8	59.1	54.3
Hot breakfast cereal	29.8	24.2	32.1	25.8	24.9	27.0	25.0	20.1	34.6	27.9	35.5	35.3	28.5
Tofu	3.9	10.2	12.4	8.5	7.8	5.5	10.0	5.9	8.6	18.8	6.2	4.1	8.5
Dietary or nutritional supplement	31.8	34.4	28.3	29.3	28.6	33.2	24.5	26.4	27.5	35.0	20.4	22.1	28.2

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EXPOSURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	OVERALL
ETHNIC FOODS & FAST FOODS													
Asian style foods	31.8	33.1	26.1	28.1	21.4	22.4	29.8	24.3	28.0	28.8	27.3	30.5	27.4
Indian style foods	15.1	17.0	10.2	9.4	8.9	14.9	21.0	13.4	9.3	17.1	14.1	11.0	13.5
Mexican style foods	16.2	16.9	15.1	17.6	20.2	18.3	17.2	16.4	19.5	15.8	13.8	12.2	16.7
Meal from a fast food restaurant	50.8	56.8	55.5	45.7	59.5	56.6	48.4	54.8	51.9	55.7	49.4	51.1	53.6
WATER													
Primary drinking water source													
Municipal water	70.9	73.9	65.2	69.0	68.0	75.0	69.2	65.2	68.1	66.3	69.8	65.1	68.5
Private well	11.0	8.3	13.5	9.4	11.6	8.2	7.7	11.9	10.9	13.1	10.5	11.2	10.8
Store-bought bottled water	17.3	16.2	18.7	19.0	18.9	12.5	20.7	21.1	19.4	17.7	18.6	22.5	18.8
Raw water consumption	1.9	3.6	1.4	2.8	3.2	6.2	3.1	2.2	2.3	1.3	1.7	2.2	2.6
Swim or go into any water	5.4	7.2	9.0	8.9	10.4	18.9	33.0	28.4	9.1	8.3	8.1	6.1	13.1
Swim or go into any natural water	0.1	0.2	0.0 ^s	0.7	0.4	6.2	17.9	14.4	4.5	0.4	0.3	0.1	4.0
Ocean	0.1	0.1	0.0	0.3	0.3	0.7	8.6	1.9	1.3	0.0 ^s	0.0	0.0	1.2
Lake	0.0	0.0	0.0 ^s	0.3	0.1	4.5	9.6	11.3	3.2	0.1	0.2	0.1	2.6
River	0.0	0.1	0.0	0.0	0.1	1.4	4.3	2.1	1.0	0.1	0.1	0.0	0.8
Natural hot spring	0.0	0.0 ^s	0.0 ^s	0.0	0.1	0.3	2.3	0.0 ^s	0.0 ^s	0.1	0.0	0.1	0.3
Pool	4.5	6.3	8.8	7.9	8.6	11.9	22.1	19.2	4.8	6.9	6.9	5.1	9.7
Hot tub	2.4	3.9	3.6	4.2	2.8	6.3	5.8	3.8	1.4	4.0	2.3	2.0	3.4
Recreational waterpark	0.1	0.3	0.7	0.6	0.3	1.2	6.7	4.7	1.0	0.2	2.0	0.4	1.6
Swim or go into a swimming facility in the last 4 weeks	13.8	11.9	17.0	19.0	15.1	18.1	30.5	32.1	27.3	14.8	18.2	12.4	19.3
ANIMAL CONTACT													
Any contact with animals, animal waste, habitat or food	65.3	54.9	62.9	65.1	67.9	71.9	67.8	59.8	70.2	54.9	61.8	58.3	63.4
Cat	30.5	32.0	32.0	34.7	32.8	41.0	35.4	29.2	32.9	23.8	35.9	27.1	31.9
Dog	46.4	30.2	42.6	45.2	49.9	52.4	49.1	38.4	46.9	40.2	40.2	36.5	43.3
Bird	2.2	1.5	1.9	3.0	3.6	2.0	4.0	2.0	3.9	3.2	1.3	1.6	2.6

NOTE: s=greater than 0, less than 0.05. If there is a '0.0' value without an 's', value is exactly 0.

EXPOSURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	OVERALL
Reptile	0.4	1.0	1.3	1.3	2.9	2.0	2.4	1.0	0.3	2.7	2.1	1.4	1.6
Amphibian	0.1	0.0	1.8	0.8	2.1	1.1	4.5	1.1	1.4	0.1	0.2	0.1	1.2
Rodent or pocket pet	4.2	1.5	4.2	5.5	3.1	1.7	2.8	4.9	4.0	3.3	4.6	2.4	3.4
Fish or aquarium	3.9	1.9	3.5	2.4	5.9	4.9	6.8	4.9	2.2	5.9	1.9	7.3	4.5
Cow	5.2	0.7	1.9	3.8	5.3	2.9	1.3	2.7	4.4	2.2	1.2	1.6	2.8
Goat, sheep or lamb	0.8	1.0	1.0	2.1	2.1	2.9	1.7	4.4	3.1	3.7	0.8	0.8	2.1
Horse	2.6	1.7	2.1	3.9	3.3	3.8	3.9	5.4	5.3	3.7	3.5	1.7	3.4
Pig	0.7	0.5	0.4	0.6	2.2	2.1	0.4	3.6	1.0	0.9	0.2	0.2	1.2
Poultry/baby poultry	4.0	1.2	1.7	2.1	3.4	2.6	2.8	5.2	3.4	2.3	0.6	3.1	2.8
Handled any dry pet food	47.0	34.8	41.8	42.7	50.4	54.2	45.9	38.4	49.8	36.1	39.3	34.2	43.0
Handled any canned/wet pet food	13.0	8.5	11.7	9.8	13.5	11.8	10.6	11.5	12.0	12.7	19.1	9.2	12.1
Handled any raw pet food (store-bought or home-made)	1.8	2.8	3.8	1.2	3.4	9.3	2.2	3.0	5.3	3.6	2.8	5.6	3.8
Handled any treats derived from animal parts	8.1	4.8	7.3	6.7	9.3	7.1	8.6	9.2	10.2	8.8	7.9	9.1	8.3
Handled any processed animal treats	23.1	21.6	23.6	25.9	27.6	31.2	21.8	20.1	22.0	20.9	27.2	18.5	23.5
Handled any rodents/insects for reptiles	0.1	0.4	0.6	0.7	1.7	3.9	1.3	0.8	3.1	0.2	1.9	1.2	1.3
Handled any farm animal/livestock feed	6.7	1.8	3.7	3.2	4.1	2.9	3.1	4.3	6.1	4.3	2.4	2.4	3.8
Visited any petting zoo	0.1	0.0	1.0	0.0	0.3	1.1	1.6	4.4	1.7	1.7	0.2	0.5	1.1
Visited any farm or barn	7.3	3.1	5.9	8.2	9.0	4.7	4.6	8.8	12.4	8.6	4.5	4.0	6.9
Visited any agricultural fair	0.0	0.2	1.1	0.0	0.2	0.1	2.6	2.5	4.9	1.2	1.5	0.1	1.3
Visited any pet store	2.8	2.8	5.3	6.6	4.4	7.8	7.2	2.7	4.5	3.8	3.7	4.3	4.5

NOTE: s = greater than 0, less than 0.05. If there is a '0.0' value without an 's', value is exactly 0.

TABLE 8: Weighted proportions of food, animal and water exposures in the past seven days, by age group and gender

EXPOSURE	0-9 YEARS			10-19 YEARS			20-64 YEARS			65 YEARS +			ALL AGES			
	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	
VEGETABLES																
Any tomatoes	48.0	59.9	53.9	56.4	57.1	56.7	77.7	78.1	77.9	78.3	78.5	78.4	71.9	74.0	72.9	
On a sandwich, burger or taco at restaurant or fast food establishment	5.0	6.3	5.6	16.8	13.7	15.4	30.8	20.2	25.4	14.9	12.1	13.3	24.1	16.8	20.4	
Roma/plum	18.2	22.4	20.2	22.2	20.8	21.5	31.0	26.1	28.4	19.0	23.6	21.6	26.7	24.8	25.7	
Hothouse	21.6	25.5	23.6	26.0	23.0	24.6	41.8	40.8	41.3	46.4	49.4	48.2	37.9	38.6	38.3	
Beefsteak	4.0	7.4	5.6	10.8	8.8	9.8	12.3	13.7	13.0	15.1	16.2	15.8	11.5	12.9	12.2	
Cherry or grape	24.3	33.5	28.9	19.4	29.6	24.2	33.5	38.6	36.1	27.8	29.7	28.9	29.9	35.6	32.8	
Any lettuce or leafy greens	60.7	66.1	63.5	76.1	82.0	78.9	84.2	88.3	86.3	82.3	81.8	82.0	80.4	84.4	82.4	
On a sandwich, burger or taco at restaurant or fast food establishment	10.3	11.5	10.9	28.3	19.9	24.5	33.4	24.7	29.0	13.8	13.1	13.4	27.7	21.0	24.3	
Iceberg	26.0	29.4	27.8	44.4	44.2	44.3	45.9	38.6	42.2	45.8	40.6	42.8	43.5	38.7	41.1	
Romaine	34.8	38.4	36.8	46.9	53.1	49.8	51.0	52.9	51.9	39.5	45.4	43.0	47.3	50.3	48.8	
Spinach	23.7	25.0	24.5	22.1	27.4	24.6	24.5	34.8	29.7	28.4	28.9	28.7	24.6	32.0	28.4	
Mesclun greens	9.7	10.1	9.8	10.6	17.4	13.9	15.7	18.0	16.9	7.8	14.8	11.8	13.3	16.7	15.0	
Pre-packaged lettuce or leafy greens	32.5	36.7	34.6	44.2	47.3	45.7	44.3	54.5	49.5	40.3	39.3	39.7	42.5	49.5	46.1	
Cabbage (includes coleslaw)	18.9	20.2	19.6	20.2	22.7	21.4	28.7	33.2	30.9	34.7	44.4	40.2	27.3	32.5	30.0	
Any sprouts	10.7	11.7	11.1	13.0	14.7	13.9	13.3	12.6	13.0	14.6	12.0	13.1	13.2	12.7	12.9	
Alfalfa sprouts	1.8	1.4	1.6	1.2	2.8	1.9	2.5	3.2	2.9	1.0	2.1	1.6	2.1	2.8	2.4	
Bean sprouts	7.7	9.2	8.4	10.2	10.9	10.6	9.2	7.9	8.5	8.4	7.7	8.0	9.0	8.3	8.7	
Cucumbers	68.2	76.0	72.0	62.4	71.6	66.8	57.1	66.2	61.7	57.8	59.7	58.9	59.1	66.7	62.9	
Bell peppers	51.1	53.9	52.5	59.2	58.4	58.8	63.0	72.2	67.6	53.0	62.7	58.4	59.9	67.3	63.6	
Hot peppers	3.2	4.2	3.8	18.5	12.6	15.8	30.7	18.6	24.6	14.7	8.2	11.1	24.1	14.8	19.4	
Celery	36.5	42.5	39.5	37.6	39.5	38.4	40.4	52.8	46.7	61.0	67.4	64.5	42.4	52.6	47.6	

NOTE: s=>greater than 0, less than 0.05. If there is a '0.0' value without an 's', value is exactly 0.

EXPOSURE	0-9 YEARS			10-19 YEARS			20-64 YEARS			65 YEARS +			ALL AGES		
	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH
	Any carrots	84.7	87.1	86.0	77.5	81.2	79.3	75.9	83.3	79.6	85.1	89.2	87.4	78.2	84.4
Carrots (not mini)	63.3	67.3	65.4	61.2	62.2	61.7	67.4	70.5	69.0	76.1	78.1	77.2	67.3	70.5	68.9
Mini carrots	45.3	48.8	46.9	38.9	45.9	42.2	31.6	36.8	34.2	26.9	32.9	30.3	33.4	38.4	35.9
Peas (shelled or in pods)	31.1	32.4	32.0	24.4	29.3	26.7	25.7	27.7	26.7	43.4	33.1	37.6	28.4	29.2	28.8
Green or yellow beans	33.8	37.1	35.5	31.4	33.3	32.2	33.5	38.2	35.9	47.2	41.7	44.1	35.1	38.1	36.6
Broccoli	55.2	61.9	58.7	54.4	56.9	55.4	53.0	57.2	55.1	49.7	59.5	55.2	53.0	58.0	55.5
Cauliflower	28.1	27.9	28.1	30.0	33.1	31.4	32.9	30.8	31.8	48.6	38.2	42.7	34.1	32.0	33.0
Leeks	6.9	6.0	6.6	5.6	4.2	4.9	9.4	8.5	8.9	20.2	12.2	15.7	10.1	8.3	9.2
Fresh garlic (not powdered)	42.4	47.6	45.2	46.7	48.2	47.3	48.2	56.1	52.2	32.3	44.2	38.9	45.2	52.4	48.9
Mushrooms	30.5	38.3	34.6	39.9	37.5	38.6	52.8	55.7	54.3	53.0	51.6	52.2	48.7	51.2	50.0
Zucchini	21.8	21.7	22.0	16.1	17.1	16.5	18.6	23.0	20.8	29.8	21.6	25.2	20.1	22.0	21.1
Any onions	66.7	63.7	65.3	76.0	68.5	72.2	85.5	86.4	86.0	87.8	90.5	89.3	82.6	82.8	82.7
White/yellow onions	61.1	57.3	59.4	67.7	58.7	63.2	76.3	78.0	77.2	69.9	81.7	76.5	72.7	74.4	73.5
Red onions	19.3	20.0	19.7	29.4	26.8	28.0	32.9	36.6	34.8	35.7	32.2	33.7	31.4	33.1	32.2
Green onions	18.5	21.1	19.8	23.7	22.3	23.0	32.6	43.9	38.4	28.3	38.9	34.2	29.4	38.4	34.0
Vegetable juice	14.8	14.3	14.7	11.8	10.9	11.4	19.1	17.4	18.2	24.0	27.2	25.8	18.4	17.9	18.2
HERBS & SPICES															
Any fresh herbs	40.9	42.4	41.8	42.8	51.8	47.0	46.1	51.3	48.7	46.0	47.0	46.5	45.1	49.8	47.5
Fresh Thai basil	4.4	7.1	5.9	6.9	7.6	7.2	10.4	11.0	10.7	6.1	7.8	7.1	8.8	9.7	9.2
Fresh basil	16.6	14.5	15.6	13.8	17.9	15.7	17.4	21.3	19.3	12.0	16.4	14.6	16.2	19.4	17.8
Fresh cilantro/coriander	15.2	18.7	17.2	16.9	20.8	18.7	17.5	21.1	19.4	7.9	9.7	8.9	16.0	19.0	17.6
Fresh tarragon	1.5	1.9	1.7	2.5	1.9	2.2	2.3	5.2	3.7	1.7	2.8	2.4	2.2	4.1	3.2
Fresh parsley	22.5	20.8	21.7	22.5	24.3	23.3	22.6	29.1	25.9	33.6	31.9	32.6	24.0	28.2	26.1
Other fresh herbs	20.3	19.2	19.9	21.7	23.9	22.7	20.8	30.1	25.5	17.1	23.8	21.0	20.5	27.3	24.0

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EXPOSURE	0-9 YEARS			10-19 YEARS			20-64 YEARS			65 YEARS +			ALL AGES		
	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH
Any spices	83.1	80.5	81.9	87.4	85.3	86.2	92.1	93.4	92.8	90.7	91.7	91.3	90.4	91.0	90.7
Pepper (whole/ground, white, black, blended)	71.6	69.3	70.5	80.3	75.7	78.0	88.0	89.2	88.6	84.0	84.9	84.5	84.7	85.0	84.8
Curry powder	15.8	18.1	17.0	20.2	18.6	19.4	17.1	19.5	18.3	11.4	15.0	13.4	16.6	18.5	17.6
Paprika	18.9	22.5	20.8	20.3	19.6	19.9	19.3	26.2	22.9	18.3	24.3	21.8	19.3	24.8	22.2
Turmeric	13.3	20.6	16.9	14.1	15.2	14.6	15.2	16.5	15.9	10.6	14.6	13.0	14.3	16.5	15.4
Other spices	46.9	49.5	48.2	47.3	49.1	48.0	49.3	52.2	50.8	36.1	44.1	40.8	47.2	50.3	48.8
STORE-BOUGHT PREPARED SALADS & DIPS															
Any store-bought prepared salad	8.7	9.7	9.2	12.1	11.8	12.0	16.1	15.7	15.9	16.5	12.4	14.2	14.8	14.1	14.5
Green salad	5.8	6.0	5.9	6.9	7.9	7.3	10.8	9.0	9.9	10.5	7.6	8.9	9.7	8.4	9.0
Coleslaw	0.9	2.1	1.5	2.3	1.4	1.9	6.0	2.4	4.2	6.5	4.9	5.6	5.0	2.7	3.8
Potato salad	0.7	1.5	1.1	2.0	1.7	1.9	3.5	2.6	3.0	2.4	2.2	2.3	2.8	2.3	2.6
Pasta salad	1.8	2.4	2.1	1.5	2.2	1.9	1.2	2.3	1.7	1.2	2.6	2.0	1.3	2.3	1.8
Fruit salad/pre-cut fruit/fruit platter	1.7	3.4	2.6	2.1	2.8	2.4	2.2	4.1	3.2	3.2	3.9	3.6	2.3	3.9	3.1
Salsa	20.1	16.4	18.2	30.8	25.3	28.3	23.5	24.2	23.9	9.4	9.4	9.4	22.3	21.1	21.7
Hummus	13.7	14.6	14.1	13.3	17.6	15.3	10.0	17.9	14.0	6.9	10.4	8.8	10.4	16.3	13.4
FRUITS															
Apples	86.7	87.5	87.2	75.1	77.0	75.8	67.5	73.8	70.7	58.4	72.1	66.0	69.3	75.2	72.3
Pears	31.4	31.5	31.6	24.3	20.5	22.4	20.5	24.3	22.5	23.3	28.5	26.2	22.5	25.2	23.9
Peaches	17.4	19.9	18.5	12.9	13.4	13.1	13.7	17.2	15.5	17.1	20.9	19.2	14.4	17.6	16.0
Nectarines	13.6	12.7	13.1	9.4	11.8	10.5	11.9	13.5	12.7	9.2	16.6	13.3	11.4	13.7	12.6
Apricots	3.2	5.3	4.2	3.4	4.0	3.7	3.9	5.0	4.4	6.3	6.6	6.4	4.1	5.2	4.6
Plums	12.7	13.9	13.2	10.3	13.4	11.8	10.1	12.9	11.5	23.0	13.7	17.8	12.1	13.2	12.7
Citrus fruit	65.1	70.6	67.7	66.2	64.2	65.0	59.0	70.6	64.9	60.8	65.1	63.2	60.9	68.9	65.0
Cherries	13.3	15.8	14.4	12.6	14.6	13.5	12.0	17.1	14.6	15.3	17.8	16.7	12.7	16.8	14.7
Grapes	66.5	67.6	67.1	52.7	57.2	54.7	43.6	55.9	49.8	49.2	51.9	50.8	47.9	56.5	52.3
Bananas	85.4	85.2	85.4	75.5	75.2	75.2	73.5	76.2	74.9	78.6	81.0	80.0	75.7	77.7	76.7

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EXPOSURE	0-9 YEARS			10-19 YEARS			20-64 YEARS			65 YEARS +			ALL AGES		
	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH
	Mangoes	17.9	20.2	19.1	16.1	21.2	18.5	12.7	18.3	15.5	9.2	14.4	12.1	13.2	18.2
Papaya	2.5	3.2	3.0	3.0	5.4	4.1	3.0	2.7	2.8	2.6	4.5	3.6	2.9	3.4	3.1
Kiwi	13.4	16.7	14.9	15.2	17.8	16.4	7.3	15.2	11.3	8.5	13.5	11.3	9.2	15.4	12.3
Pomegranate	5.8	8.1	6.9	7.8	12.0	9.8	4.7	12.1	8.4	3.3	5.0	4.3	5.0	10.5	7.8
Pineapple	27.3	29.3	28.1	27.6	32.8	30.0	24.7	36.0	30.4	26.9	30.9	29.3	25.6	34.1	30.0
Avocado (includes guacamole)	22.9	22.5	22.9	17.0	22.5	19.6	23.2	34.6	28.9	15.7	25.0	20.9	21.3	30.4	26.0
Olives	16.1	17.9	16.9	19.8	20.8	20.2	28.1	31.9	30.1	25.4	30.0	28.0	25.4	29.0	27.2
Any melon	53.7	46.4	50.3	37.8	44.2	40.8	35.7	40.7	38.3	37.7	38.1	37.9	38.1	41.3	39.7
Cantaloupe	30.4	24.0	27.5	19.8	24.4	21.9	19.9	25.1	22.5	27.4	25.8	26.5	22.0	25.0	23.5
Honeydew	16.1	14.9	15.6	9.5	13.0	11.1	11.8	15.4	13.7	17.8	13.9	15.6	12.8	14.8	13.8
Watermelon	33.9	32.2	33.1	25.8	29.9	27.8	22.0	22.0	22.0	25.3	18.4	21.4	24.2	23.3	23.7
Any berries	77.4	75.2	76.2	59.9	73.7	66.3	55.8	69.0	62.5	65.8	69.8	68.0	59.9	70.3	65.2
Strawberries	63.5	60.4	62.0	49.0	60.1	54.2	37.9	54.4	46.3	50.8	51.4	51.1	43.8	55.1	49.6
Raspberries	27.1	34.0	30.3	23.2	26.8	24.9	23.3	33.0	28.2	19.9	28.2	24.5	23.2	31.6	27.5
Blueberries	33.9	37.7	35.7	22.1	26.3	24.1	25.5	34.4	30.0	40.4	39.5	39.9	27.9	34.6	31.3
Blackberries	11.8	14.2	12.9	9.7	11.1	10.3	10.0	11.1	10.6	8.7	9.4	9.1	10.0	11.1	10.5
Unpasteurized fruit juice	8.0	6.5	7.2	9.9	6.3	8.2	9.3	7.7	8.5	6.8	3.5	4.9	9.0	6.7	7.8
Fruit smoothies	28.0	28.3	28.1	24.4	35.9	29.8	16.3	21.7	19.0	8.7	9.2	9.0	17.6	21.9	19.8
NUTS AND NUT PRODUCTS															
Peanut butter	55.5	51.8	53.8	51.9	50.5	51.2	53.6	55.3	54.5	57.7	64.3	61.4	54.1	55.9	55.0
Other nut paste, butter or spread	31.5	29.6	30.5	32.0	35.5	33.7	12.8	16.4	14.6	10.6	13.5	12.2	17.0	19.4	18.3
Any nuts	54.3	54.0	54.3	57.3	60.9	58.9	67.7	70.1	68.9	62.2	64.4	63.5	64.2	66.6	65.4
Peanuts (not including peanut butter)	25.4	23.9	24.6	29.9	28.6	29.3	39.9	31.7	35.7	41.0	29.2	34.4	37.2	30.2	33.6
Almonds	30.5	33.4	32.0	31.6	36.8	34.0	39.4	48.5	44.0	38.8	41.2	40.1	37.3	44.5	41.0
Walnuts	9.3	10.9	10.2	10.0	11.3	10.6	16.5	22.1	19.4	30.5	24.0	26.9	16.8	20.1	18.5
Hazelnuts (Filberts)	4.9	6.2	5.5	5.9	6.4	6.1	8.8	11.8	10.3	22.0	10.3	15.4	9.7	10.4	10.1

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EXPOSURE	0-9 YEARS			10-19 YEARS			20-64 YEARS			65 YEARS +			ALL AGES		
	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH
	Cashews	19.2	22.3	20.6	21.1	22.0	21.5	28.2	27.4	27.8	34.3	29.1	31.4	27.2	26.6
Pecans	4.5	9.3	6.9	6.8	7.7	7.2	10.7	16.1	13.4	22.7	17.5	19.8	11.2	14.7	12.9
SEEDS AND SEED PRODUCTS															
Sunflower seeds	11.1	15.7	13.3	18.1	16.6	17.4	15.7	23.8	19.9	13.1	18.1	15.9	15.2	21.3	18.3
Sesame seeds	15.6	13.8	14.6	18.7	12.8	15.9	17.9	19.6	18.8	11.9	14.0	13.1	17.0	17.3	17.1
Tahini, halva or other products made from sesame seeds	7.6	4.8	6.2	6.8	6.4	6.6	8.2	6.9	7.5	2.5	5.6	4.2	7.2	6.4	6.8
BEEF															
Any beef (not including deli-meat)	80.1	77.3	78.8	84.3	77.3	81.0	83.1	76.4	79.7	66.9	73.7	70.7	80.8	76.2	78.4
Raw beef	0.9	0.4	0.7	0.1	0.2	0.2	1.1	0.8	0.9	0.7	0.6	0.6	0.9	0.6	0.8
Steak	27.0	27.9	27.5	31.4	28.1	29.9	36.9	28.8	32.8	27.9	26.5	27.2	33.9	28.2	31.1
Stewing beef	12.9	11.2	12.0	12.7	11.5	12.2	19.4	9.9	14.5	11.6	14.5	13.2	16.8	10.9	13.8
Other whole-cut beef products	16.1	17.5	16.8	24.2	20.2	22.2	21.3	18.8	20.0	19.4	20.8	20.2	20.9	19.2	20.0
Any ground beef	67.6	63.9	65.9	73.2	64.1	68.9	69.0	60.0	64.4	50.4	55.0	53.0	66.9	60.0	63.4
Any hamburgers	39.3	32.6	36.2	47.9	34.4	41.6	46.5	33.5	39.9	35.5	35.5	35.5	44.5	33.8	39.1
Home-made	23.7	19.2	21.6	24.6	18.1	21.4	25.3	18.8	22.0	20.8	22.6	21.8	24.5	19.4	21.9
Store-bought frozen beef patties	9.9	7.4	8.7	12.7	8.3	10.5	8.4	8.4	8.4	7.4	5.4	6.3	9.0	7.8	8.4
From a restaurant or fast food establishment	13.0	10.9	11.9	20.5	13.6	17.4	21.3	14.0	17.6	12.9	10.2	11.4	19.2	13.0	16.1
Any other ground beef	52.2	51.5	51.8	54.4	51.5	52.9	44.2	43.6	43.9	30.1	36.7	33.8	44.5	44.1	44.3
Ground beef consumed raw or undercooked	0.3	1.2	0.8	0.6	0.1	0.3	1.2	0.3	0.7	0.5	0.6	0.5	0.9	0.4	0.7
PORK															
Any pork	54.3	50.8	52.7	53.3	50.6	51.9	58.2	52.0	55.1	64.9	54.8	59.3	58.1	52.2	55.1
Ham (not including deli-meat)	11.9	12.9	12.5	14.1	10.7	12.4	18.3	10.0	14.0	30.2	16.9	22.8	18.6	11.5	15.0
Bacon	27.6	24.6	26.2	29.6	23.4	26.6	28.7	25.3	26.9	31.6	27.7	29.4	29.1	25.4	27.2
Ground pork	9.0	8.6	8.8	7.6	11.3	9.3	7.3	7.6	7.5	15.9	5.9	10.3	8.7	7.9	8.3
Pork pieces or parts	31.3	31.2	31.3	33.2	32.1	32.6	36.8	30.7	33.7	39.2	33.8	36.2	36.1	31.4	33.7

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EXPOSURE	0-9 YEARS			10-19 YEARS			20-64 YEARS			65 YEARS +			ALL AGES		
	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH
POULTRY															
Any poultry	90.5	88.4	89.5	89.0	89.0	88.9	87.5	87.7	87.6	84.2	85.7	85.0	87.6	87.6	87.6
Any chicken (not including deli-meat)	89.5	87.4	88.5	88.0	87.6	87.7	85.8	85.2	85.5	81.8	83.4	82.7	85.9	85.4	85.6
Store-bought breaded chicken	31.2	29.1	30.0	29.2	22.0	25.6	13.5	14.9	14.2	9.7	8.7	9.1	16.9	16.1	16.5
Ground chicken	7.1	7.6	7.5	5.5	4.8	5.1	4.4	6.7	5.6	2.9	2.7	2.8	4.6	5.9	5.3
Chicken pieces or parts	73.8	76.7	75.3	75.0	73.1	74.0	68.8	69.5	69.2	68.2	65.5	66.7	70.0	70.0	70.0
Chicken from a restaurant or fast food establishment	18.7	19.2	18.9	22.4	22.3	22.4	25.7	19.1	22.4	17.3	14.1	15.5	23.4	18.7	21.0
Any turkey (not including deli-meat)	9.9	11.5	10.7	7.7	10.4	9.0	12.5	10.6	11.6	21.1	11.5	15.7	12.8	10.8	11.8
Turkey bacon	0.4	0.8	0.6	0.9	1.2	1.0	0.3	0.6	0.5	0.4	0.3	0.3	0.4	0.7	0.5
Ground turkey	3.6	3.5	3.5	2.0	2.1	2.0	3.3	2.3	2.8	1.4	1.2	1.3	2.9	2.2	2.5
Turkey pieces or parts	5.7	7.0	6.3	5.0	6.4	5.7	8.1	7.8	7.9	18.4	8.9	13.1	8.9	7.7	8.3
Other poultry (not including deli-meat)	1.3	2.0	1.6	3.0	1.9	2.5	2.5	2.6	2.6	1.3	1.6	1.5	2.3	2.3	2.3
DELI-MEAT															
Any deli-meat/cold cuts	54.2	51.3	52.7	54.5	50.1	52.4	55.0	45.1	50.0	45.9	38.6	41.8	53.6	45.2	49.3
Chicken	9.2	9.3	9.2	10.2	7.9	9.1	12.2	8.5	10.3	5.3	4.4	4.8	10.7	7.8	9.2
Turkey	13.8	11.9	12.8	16.2	14.7	15.5	14.8	11.5	13.1	5.8	7.4	6.7	13.7	11.2	12.4
Ham	30.2	29.8	29.9	31.2	29.4	30.3	31.3	23.8	27.5	31.5	25.2	28.0	31.2	25.3	28.2
Beef	8.0	5.3	6.7	7.6	6.9	7.2	10.0	5.3	7.6	7.2	5.7	6.4	9.1	5.6	7.3
Bologna	7.4	7.1	7.2	12.1	6.2	9.2	11.3	6.8	9.0	8.7	5.8	7.0	10.6	6.6	8.5
Salami	10.8	8.4	9.7	12.6	10.2	11.6	12.8	9.7	11.2	18.8	7.1	12.2	13.3	9.2	11.3
Pepperoni	11.9	13.0	12.4	16.0	9.5	13.0	13.7	5.5	9.6	6.7	5.3	5.9	13.0	6.7	9.7
Kielbasa	6.0	4.2	5.1	4.1	2.5	3.5	2.7	2.0	2.3	3.4	3.1	3.2	3.3	2.4	2.9

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	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH
OTHER MEAT / ANIMAL PRODUCTS															
Hot dogs	38.0	32.3	35.5	30.2	23.2	26.8	28.7	24.4	26.5	29.4	17.5	22.8	30.0	23.9	26.9
Sausage	34.9	31.6	33.2	32.4	24.6	28.6	31.6	28.8	30.2	43.5	26.6	34.0	33.7	28.2	30.8
Dried meat products	9.2	7.1	8.2	14.5	10.3	12.5	10.2	4.7	7.4	2.7	2.8	2.8	9.7	5.3	7.4
Pâté/meat spread	2.9	3.8	3.3	2.6	2.2	2.4	8.1	3.8	5.9	6.8	6.7	6.7	6.6	4.1	5.3
Lamb	2.9	5.0	3.9	3.9	6.6	5.2	6.0	5.0	5.5	4.6	6.1	5.4	5.2	5.3	5.3
Veal	3.2	3.7	3.4	5.2	6.6	5.8	5.1	4.3	4.7	5.4	5.6	5.5	4.9	4.7	4.8
Goat	0.8	2.7	1.9	4.0	1.5	2.8	4.6	1.2	2.9	0.3	0.3	0.3	3.5	1.2	2.4
Organ meats or offal	2.6	1.9	2.2	3.1	1.7	2.4	4.8	2.0	3.4	16.6	5.7	10.5	5.9	2.6	4.2
Shawarma or donair	1.8	1.3	1.7	4.3	3.3	3.8	7.1	1.1	4.1	1.7	0.5	1.1	5.5	1.3	3.4
FISH & SEAFOOD															
Any fish	48.1	49.2	48.7	46.9	43.5	45.3	54.3	58.2	56.3	66.7	65.7	66.2	54.3	56.9	55.6
Smoked fish	5.3	5.4	5.5	7.9	5.5	6.7	9.5	6.9	8.2	5.4	6.9	6.3	8.3	6.6	7.4
Raw fish	2.8	4.1	3.4	5.6	5.4	5.5	8.8	8.5	8.6	3.3	1.8	2.5	7.0	6.6	6.8
Any shellfish	10.9	13.3	12.1	12.6	11.9	12.2	16.4	19.0	17.7	24.2	16.9	20.1	16.3	17.3	16.8
Mussels	1.8	1.3	1.6	2.0	2.3	2.1	1.9	2.5	2.2	1.6	1.4	1.5	1.9	2.2	2.0
Clams	0.7	0.6	0.7	1.1	0.9	1.0	1.5	1.1	1.3	13.1	2.5	7.2	3.0	1.3	2.1
Scallops	1.0	2.9	1.9	2.1	1.8	2.0	4.1	4.3	4.2	2.3	4.3	3.4	3.2	3.9	3.5
Shrimp/prawns	9.6	11.8	10.7	11.1	9.5	10.3	14.1	15.7	14.9	20.3	13.3	16.4	14.0	14.2	14.1
Crab	1.2	1.8	1.5	2.8	2.8	2.8	1.1	5.4	3.3	1.7	2.8	2.3	1.4	4.3	2.9
Lobster	1.4	1.7	1.6	2.1	1.9	2.0	1.4	1.7	1.5	12.8	2.8	7.2	3.0	1.9	2.4
Any oysters	0.3	0.4	0.3	1.1	0.8	0.9	1.5	0.7	1.1	1.5	0.9	1.2	1.3	0.7	1.0
Raw oysters	0.0	0.1	0.1	0.9	0.3	0.6	0.6	0.3	0.5	0.8	0.3	0.5	0.6	0.3	0.4
EGGS															
Any eggs	78.2	75.5	76.8	77.1	79.1	77.9	80.1	82.7	81.4	76.7	87.0	82.5	79.0	82.3	80.7
Raw or undercooked eggs	9.8	10.8	10.3	14.2	12.0	13.1	18.7	14.0	16.3	17.0	12.0	14.2	16.9	13.2	15.0

NOTE: s = greater than 0, less than 0.05. If there is a '0.0' value without an 's', value is exactly 0.

EXPOSURE	0-9 YEARS			10-19 YEARS			20-64 YEARS			65 YEARS +			ALL AGES		
	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH
	DAIRY / DAIRY SUBSTITUTES														
Any dairy products (not including cheese)	94.9	94.0	94.5	92.1	91.4	91.8	83.6	80.5	82.0	82.4	83.4	83.0	85.7	83.6	84.6
Pasteurized dairy milk	88.8	85.5	87.2	85.5	83.3	84.5	73.4	68.4	70.9	75.0	73.0	73.9	76.9	72.6	74.7
Unpasteurized dairy milk (not including cheese)	1.3	3.4	2.3	4.5	3.9	4.2	3.0	3.0	3.0	1.6	0.8	1.1	2.8	2.8	2.8
Powdered milk product	3.5	1.8	2.7	1.5	2.5	2.0	2.2	2.7	2.4	3.5	3.8	3.7	2.4	2.8	2.6
Whipped/whipping cream	16.1	15.4	15.7	16.9	18.5	17.6	12.6	16.8	14.7	11.8	15.3	13.8	13.4	16.6	15.0
Sour cream	20.6	21.9	21.1	27.3	27.5	27.4	21.0	27.8	24.5	12.5	21.2	17.4	20.7	26.1	23.4
Ice cream/gelato	56.8	54.2	55.2	53.3	56.9	55.1	37.9	34.7	36.2	50.5	42.9	46.2	43.6	40.5	42.0
Yogurt	81.8	84.4	83.1	60.2	65.8	62.8	47.4	61.2	54.4	47.0	58.8	53.6	52.7	63.6	58.2
Any dairy substitutes or non-dairy milk	14.0	14.8	14.6	11.6	15.6	13.5	14.4	20.7	17.6	8.3	14.4	11.7	13.2	18.5	15.9
CHEESE															
Any cheese	91.0	91.7	91.4	88.6	88.4	88.6	86.6	90.3	88.5	88.6	88.9	88.8	87.6	90.0	88.8
Cheddar	72.2	75.5	73.5	74.0	70.2	72.2	71.9	74.1	73.0	68.6	71.9	70.4	71.7	73.4	72.6
Mozzarella	54.4	58.9	56.8	59.4	55.8	57.6	47.8	48.7	48.2	26.3	33.7	30.4	47.2	48.0	47.6
Parmesan	40.2	42.5	41.2	39.2	43.3	41.1	39.1	43.2	41.2	37.0	32.2	34.3	39.0	41.3	40.1
Gouda	4.5	5.9	5.1	5.8	5.8	5.8	7.9	6.8	7.3	7.0	8.6	7.9	7.2	6.9	7.0
Feta	14.5	16.9	15.9	12.8	17.7	15.1	19.3	23.0	21.2	12.9	16.2	14.8	17.1	20.7	19.0
Other cheeses sold as blocks/wheels	19.8	21.5	20.5	23.3	24.6	23.9	25.6	28.6	27.1	20.6	25.6	23.4	24.0	27.0	25.5
Brie, camembert or other soft cheese	8.5	8.4	8.4	10.2	13.3	11.7	11.2	17.9	14.6	11.7	15.2	13.7	10.9	16.0	13.5
Blue-veined cheese	1.7	1.6	1.7	1.2	2.0	1.6	7.5	5.9	6.7	4.8	8.1	6.7	5.7	5.4	5.6
Cottage, ricotta or other fresh cheese	12.3	11.8	12.1	8.6	10.6	9.5	10.8	16.1	13.5	12.0	17.4	15.0	10.8	15.3	13.1
Goat/sheep milk cheese	3.5	6.9	5.1	4.0	7.3	5.6	7.8	12.2	10.0	3.9	10.2	7.5	6.3	10.8	8.6
Processed cheese	45.5	47.0	46.2	39.5	39.6	39.7	35.7	33.5	34.6	34.8	31.4	32.9	37.1	35.2	36.1
Any cheese made with unpasteurized milk	2.1	3.5	2.7	2.5	2.5	2.5	3.4	4.9	4.2	3.8	1.9	2.7	3.2	4.0	3.6

NOTE: s=>greater than 0, less than 0.05. If there is a '0.0' value without an 's', value is exactly 0.

EXPOSURE	0-9 YEARS			10-19 YEARS			20-64 YEARS			65 YEARS +			ALL AGES		
	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH
FROZEN FOODS															
Frozen vegetables	41.1	42.7	41.8	43.2	38.4	40.8	35.3	37.5	36.4	49.3	40.7	44.5	38.8	38.6	38.7
Any frozen fruit	25.5	27.3	26.3	22.5	30.4	26.2	20.1	26.3	23.2	24.7	25.5	25.2	21.5	26.7	24.2
Frozen berries	23.7	25.0	24.3	20.1	26.1	22.9	17.4	23.0	20.3	21.9	23.0	22.5	19.0	23.6	21.3
Frozen fruit (not including berries)	10.7	11.8	11.2	8.9	11.2	10.0	8.3	10.5	9.4	7.4	7.4	7.4	8.5	10.2	9.4
Frozen pizza	23.8	17.6	20.7	34.4	29.0	31.8	20.8	16.5	18.7	15.5	16.4	16.0	22.2	18.1	20.1
Frozen pot pies	2.7	2.3	2.5	5.4	4.4	5.0	4.7	1.8	3.2	5.2	4.8	5.0	4.6	2.7	3.6
Frozen meals in a bag or box	5.1	5.7	5.4	11.3	13.6	12.4	11.1	8.1	9.6	12.5	11.8	12.1	10.7	9.1	9.9
Frozen snack foods/ appetizers	6.0	6.3	6.1	8.4	8.3	8.4	7.8	5.4	6.6	1.9	2.2	2.1	6.9	5.3	6.1
DRIED, PROCESSED & OTHER															
Dried fruit	36.2	37.2	36.7	21.5	27.0	24.1	24.8	39.3	32.1	43.2	43.4	43.3	28.0	38.3	33.2
Granola bars, power bars, or other protein bars	52.3	47.8	50.2	53.6	56.9	55.1	38.8	33.4	36.0	18.0	22.4	20.5	39.4	35.7	37.5
Chips or pretzels	56.5	58.9	57.6	68.3	61.9	65.3	59.2	52.4	55.8	35.4	32.4	33.7	57.0	50.8	53.9
Chocolate or chocolate- containing candy	67.3	72.3	69.5	66.5	75.1	70.5	63.6	63.1	63.4	59.1	55.0	56.8	63.8	64.1	63.9
Cold breakfast cereal	76.1	75.2	75.7	67.0	65.3	66.1	44.3	50.6	47.5	60.7	56.4	58.3	52.9	55.6	54.3
Hot breakfast cereal	38.6	34.4	36.5	23.8	30.8	27.1	23.0	28.0	25.5	32.0	39.9	36.5	25.9	30.9	28.5
Tofu	11.2	10.3	10.7	7.2	8.5	7.8	11.7	7.3	9.5	2.9	3.8	3.4	9.9	7.2	8.5
Dietary or nutritional supplement	31.2	31.6	31.3	24.1	21.3	22.7	23.0	30.3	26.7	35.8	38.1	37.1	25.7	30.6	28.2
ETHNIC FOODS & FAST FOODS															
Asian style foods	21.8	26.3	24.0	28.5	27.8	28.1	33.5	27.3	30.3	15.6	17.4	16.6	29.2	25.6	27.4
Indian style foods	11.6	15.1	13.4	14.2	15.7	14.9	14.6	15.7	15.1	4.7	6.0	5.4	12.9	14.0	13.5
Mexican style foods	21.0	22.7	21.7	24.0	22.6	23.5	14.2	20.7	17.5	4.4	4.0	4.2	14.9	18.4	16.7
Meal from a fast food restaurant	54.0	53.8	54.0	37.1	45.1	41.1	44.8	58.2	51.6	75.1	69.8	72.3	49.1	58.0	53.6

NOTE: s = greater than 0, less than 0.05. If there is a '0.0' value without an 's', value is exactly 0.

EXPOSURE	0-9 YEARS			10-19 YEARS			20-64 YEARS			65 YEARS +			ALL AGES		
	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH
WATER															
<i>Primary drinking water source</i>															
Municipal water	72.2	70.2	71.3	65.9	65.0	65.5	67.5	69.5	68.5	70.1	68.1	69.0	68.2	68.9	68.5
Private well	10.3	9.7	10.0	12.5	11.0	11.7	11.9	9.0	10.4	13.0	11.3	12.1	12.0	9.7	10.8
Store-bought bottled water	15.4	18.0	16.7	20.6	22.4	21.4	18.5	19.8	19.1	13.8	18.6	16.4	17.8	19.7	18.8
Raw water consumption	2.2	2.8	2.5	3.4	2.5	3.0	2.8	2.6	2.7	1.6	2.0	1.8	2.7	2.5	2.6
Swim or go into any water	29.1	35.3	32.2	20.7	20.7	20.8	8.0	12.2	10.1	4.3	5.0	4.7	11.6	14.5	13.1
Swim or go into any natural water	7.0	7.6	7.2	5.8	5.7	5.9	3.5	3.9	3.7	1.2	1.3	1.2	3.9	4.1	4.0
Ocean	1.2	1.6	1.4	0.9	1.1	1.0	1.5	1.5	1.5	0.3	0.2	0.2	1.2	1.2	1.2
Lake	5.6	5.5	5.5	4.5	4.2	4.5	1.6	2.6	2.1	0.7	1.0	0.9	2.4	2.8	2.6
River	0.9	1.5	1.2	1.3	1.5	1.4	0.5	1.1	0.8	0.2	0.2	0.2	0.6	1.0	0.8
Natural hot spring	0.1	0.3	0.2	0.1	0.1	0.1	0.1	0.7	0.4	0.1	0.0 ^s	0.0 ^s	0.1	0.4	0.3
Pool	24.7	30.4	27.6	16.1	16.2	16.1	5.4	7.9	6.7	2.4	3.8	3.2	8.6	10.6	9.7
Hot tub	6.4	7.0	6.8	7.0	4.6	5.8	1.8	3.9	2.9	1.3	0.9	1.1	3.0	3.8	3.4
Recreational waterpark	4.7	5.5	5.1	3.5	2.4	2.9	0.4	1.8	1.1	0.0	0.0 ^s	0.0 ^s	1.2	1.9	1.6
Swim or go into a swimming facility in the last 4 weeks	39.5	45.1	42.3	27.0	28.6	27.7	15.7	17.6	16.7	4.7	7.1	6.0	18.5	20.1	19.3
ANIMAL CONTACT															
Any contact with animals, animal waste, habitat or food	64.5	62.0	63.4	68.0	69.5	68.8	65.7	64.8	65.2	47.5	54.0	51.1	63.4	63.3	63.4
Cat	28.4	30.5	29.3	36.1	41.1	38.7	31.8	33.6	32.7	19.8	28.9	24.9	30.4	33.4	31.9
Dog	47.2	42.9	45.3	47.8	51.9	49.8	45.7	42.3	44.0	32.7	34.0	33.4	44.4	42.2	43.3
Bird	2.7	2.8	2.7	4.0	4.6	4.3	3.6	1.5	2.6	0.6	1.3	1.0	3.2	2.0	2.6
Reptile	1.6	2.5	2.1	3.4	3.6	3.5	1.4	1.6	1.5	0.1	0.6	0.4	1.5	1.8	1.6
Amphibian	1.6	2.0	1.8	2.1	1.5	1.8	2.0	0.5	1.2	0.2	0.3	0.2	1.7	0.7	1.2
Rodent or pocket pet	4.4	6.8	5.6	6.8	8.1	7.4	2.9	2.7	2.8	1.2	1.2	1.2	3.3	3.5	3.4
Fish or aquarium	6.2	6.5	6.3	4.8	7.2	6.0	3.8	5.6	4.7	0.9	1.4	1.2	3.8	5.2	4.5

NOTE: s=greater than 0, less than 0.05. If there is a '0.0' value without an 's', value is exactly 0.

EXPOSURE	0-9 YEARS			10-19 YEARS			20-64 YEARS			65 YEARS +			ALL AGES		
	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH	MALE	FEMALE	BOTH
	Cow	3.2	3.4	3.3	4.1	3.1	3.6	4.0	1.8	2.9	1.0	2.2	1.6	3.5	2.2
Goat, sheep or lamb	2.1	3.9	3.0	2.8	2.1	2.4	1.5	2.6	2.1	0.3	1.4	0.9	1.6	2.5	2.1
Horse	6.2	6.6	6.4	4.5	6.6	5.5	3.0	2.4	2.7	1.8	2.8	2.3	3.4	3.4	3.4
Pig	1.3	1.7	1.5	2.3	1.6	1.9	0.9	1.1	1.0	0.0	1.4	0.8	1.0	1.3	1.2
Poultry/baby poultry	2.9	5.0	3.9	3.1	4.7	3.8	3.5	2.1	2.8	0.5	2.0	1.4	3.0	2.7	2.8
Handled any dry pet food	31.5	34.0	33.0	45.9	53.6	49.7	43.5	49.3	46.4	26.6	34.1	30.8	40.2	45.7	43.0
Handled any canned/ wet pet food	3.1	3.6	3.3	8.0	11.0	9.7	10.6	16.0	13.3	11.1	19.7	15.9	9.4	14.7	12.1
Handled any raw pet food (store-bought or home-made)	1.0	2.0	1.5	2.4	6.2	4.2	4.7	3.6	4.1	2.9	3.7	3.4	3.7	3.8	3.8
Handled any treats derived from animal parts	4.0	6.7	5.3	7.0	10.8	8.8	8.6	10.5	9.6	4.6	4.8	4.7	7.4	9.2	8.3
Handled any processed animal treats	15.1	15.5	15.3	25.3	32.0	28.5	21.2	29.0	25.2	13.9	21.5	18.1	20.1	26.7	23.5
Handled any rodents/ insects for reptiles	0.6	0.8	0.8	2.0	1.7	1.8	1.4	1.6	1.5	0.1	1.1	0.6	1.2	1.4	1.3
Handled any farm animal/ livestock feed	3.6	4.2	3.9	4.4	6.7	5.5	5.0	3.0	4.0	2.7	1.1	1.8	4.5	3.2	3.8
Visited any petting zoo	1.7	2.0	1.9	0.8	1.7	1.2	0.2	2.2	1.2	0.0 ^s	0.2	0.1	0.4	1.8	1.1
Visited any farm or barn	8.8	8.9	8.8	8.3	9.6	8.9	7.8	5.8	6.8	3.3	4.3	3.9	7.4	6.3	6.9
Visited any agricultural fair	1.5	1.6	1.5	1.4	1.8	1.6	1.6	1.1	1.4	0.5	0.3	0.4	1.4	1.1	1.3
Visited any pet store	3.8	3.8	3.9	3.0	5.4	4.1	3.9	6.4	5.2	2.8	2.1	2.4	3.6	5.3	4.5

NOTE: s= greater than 0, less than 0.05. If there is a '0.0' value without an 's', value is exactly 0.

TABLE 9: Weighted proportions of food, animal and water exposures and frequencies,* in the past seven days, nationally.

* For frequency of exposure to domestic and farm animals, respondents were asked for the average number of times a day they touched the animal within the last 24-hour period they were in contact with the animal.

EXPOSURE	PROPORTION				FREQUENCY			
	PROP	SE	LOWER CI	UPPER CI	MEAN	SE	LOWER CI	UPPER CI
VEGETABLES								
Any tomatoes	72.9	1.0	71.0	74.8	-	-	-	-
On a sandwich, burger or taco at restaurant or fast food establishment	20.4	1.2	18.0	22.7	-	-	-	-
Roma/plum	25.7	1.2	23.3	28.1	-	-	-	-
Hothouse	38.3	1.3	35.8	40.8	-	-	-	-
Beefsteak	12.2	0.9	10.5	13.9	-	-	-	-
Cherry or grape	32.8	1.2	30.5	35.2	-	-	-	-
Any lettuce or leafy greens	82.4	0.8	80.9	84.0	3.9	0.1	3.7	4.1
On a sandwich, burger or taco at restaurant or fast food establishment	24.3	1.2	21.9	26.6	1.6	0.1	1.5	1.8
Iceberg	41.1	1.3	38.5	43.6	2.3	0.1	2.2	2.4
Romaine	48.8	1.2	46.4	51.3	2.9	0.1	2.7	3.1
Spinach	28.4	1.2	26.1	30.7	2.6	0.1	2.4	2.8
Mesclun greens	15.0	0.9	13.3	16.7	2.7	0.1	2.4	2.9
Pre-packaged lettuce or leafy greens	46.1	1.2	43.7	48.5	2.9	0.1	2.8	3.1
Cabbage (includes coleslaw)	30.0	1.1	27.8	32.2	1.9	0.0 ^s	1.8	2.0
Any sprouts	12.9	0.8	11.4	14.4	1.8	0.1	1.7	2.0
Alfalfa sprouts	2.4	0.3	1.9	3.0	1.8	0.2	1.5	2.1
Bean sprouts	8.7	0.6	7.5	9.8	1.7	0.1	1.6	1.9
Cucumbers	62.9	1.2	60.7	65.2	-	-	-	-
Bell peppers	63.6	1.2	61.3	66.0	-	-	-	-
Hot peppers	19.4	1.2	17.1	21.7	-	-	-	-
Celery	47.6	1.3	45.1	50.1	-	-	-	-

NOTES: "-" indicates that the value was not measured.

s=greater than 0, less than 0.05. If there is a '0.0' value without an 's', value is exactly 0.

Prop=proportion expressed as a percentage

SE=Standard Error

CI=Confidence Interval

EXPOSURE	PROPORTION					FREQUENCY				
	PROP	SE	LOWER CI	UPPER CI	MEAN	SE	LOWER CI	UPPER CI	UPPER CI	
Any carrots	81.4	1.0	79.4	83.4	-	-	-	-	-	
Carrots (not mini)	68.9	1.2	66.6	71.2	-	-	-	-	-	
Mini carrots	35.9	1.2	33.6	38.2	-	-	-	-	-	
Peas (shelled or in pods)	28.8	1.2	26.5	31.2	-	-	-	-	-	
Green or yellow beans	36.6	1.3	34.1	39.1	-	-	-	-	-	
Broccoli	55.5	1.3	53.1	58.0	-	-	-	-	-	
Cauliflower	33.0	1.2	30.6	35.5	-	-	-	-	-	
Leeks	9.2	0.9	7.4	11.0	-	-	-	-	-	
Fresh garlic (not powdered)	48.9	1.3	46.4	51.4	-	-	-	-	-	
Mushrooms	50.0	1.2	47.6	52.4	-	-	-	-	-	
Zucchini	21.1	1.2	18.7	23.4	-	-	-	-	-	
Any onions	82.7	0.8	81.0	84.3	-	-	-	-	-	
White/yellow onions	73.5	1.1	71.3	75.8	-	-	-	-	-	
Red onions	32.2	1.2	29.8	34.7	-	-	-	-	-	
Green onions	34.0	1.3	31.5	36.5	2.7	0.1	2.5	2.9	2.9	
Vegetable juice	18.2	0.9	16.3	20.0	3.5	0.2	3.2	3.8	3.8	
HERBS & SPICES										
Any fresh herbs	47.5	1.3	45.0	50.0	-	-	-	-	-	
Fresh Thai basil	9.2	0.8	7.8	10.7	2.4	0.2	2.0	2.7	2.7	
Fresh basil	17.8	1.0	15.9	19.8	2.3	0.1	2.1	2.5	2.5	
Fresh cilantro/coriander	17.6	1.0	15.5	19.6	2.4	0.1	2.1	2.7	2.7	
Fresh tarragon	3.2	0.5	2.2	4.1	1.9	0.2	1.5	2.3	2.3	
Fresh parsley	26.1	1.2	23.7	28.6	2.5	0.1	2.2	2.7	2.7	
Other fresh herbs	24.0	1.1	21.8	26.1	-	-	-	-	-	

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EXPOSURE	PROPORTION				FREQUENCY			
	PROP	SE	LOWER CI	UPPER CI	MEAN	SE	LOWER CI	UPPER CI
Any spices	90.7	0.7	89.3	92.1	-	-	-	-
Pepper (whole/ground, white, black, blended)	84.8	0.8	83.2	86.4	6.4	0.1	6.1	6.6
Curry powder	17.6	0.9	15.8	19.4	2.1	0.1	1.9	2.3
Paprika	22.2	1.0	20.1	24.2	-	-	-	-
Turmeric	15.4	1.0	13.5	17.3	-	-	-	-
Other spices	48.8	1.2	46.3	51.2	-	-	-	-
STORE-BOUGHT PREPARED SALADS & DIPS								
Any store-bought prepared salad	14.5	0.9	12.7	16.3	1.9	0.1	1.7	2.0
Green salad	9.0	0.8	7.4	10.6	1.9	0.1	1.7	2.1
Coleslaw	3.8	0.5	2.9	4.7	1.7	0.1	1.4	1.9
Potato salad	2.6	0.5	1.7	3.5	1.6	0.2	1.3	1.9
Pasta salad	1.8	0.3	1.3	2.4	1.4	0.1	1.3	1.6
Fruit salad/pre-cut fruit/fruit platter	3.1	0.5	2.1	4.1	2.2	0.2	1.8	2.6
Salsa	21.7	1.0	19.7	23.7	1.7	0.1	1.5	1.9
Hummus	13.4	0.9	11.7	15.1	2.3	0.1	2.0	2.5
FRUITS								
Apples	72.3	1.1	70.0	74.5	-	-	-	-
Pears	23.9	1.0	22.0	25.9	-	-	-	-
Peaches	16.0	1.0	14.1	17.9	-	-	-	-
Nectarines	12.6	0.9	10.8	14.4	-	-	-	-
Apricots	4.6	0.5	3.7	5.5	-	-	-	-
Plums	12.7	1.0	10.8	14.5	-	-	-	-
Citrus fruit	65.0	1.2	62.6	67.3	-	-	-	-
Cherries	14.7	0.9	13.0	16.5	-	-	-	-

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EXPOSURE	PROPORTION					FREQUENCY				
	PROP	SE	LOWER CI	UPPER CI	MEAN	SE	LOWER CI	UPPER CI	MEAN	
Grapes	52.3	1.2	49.9	54.7	-	-	-	-	-	
Bananas	76.7	1.0	74.8	78.7	-	-	-	-	-	
Mangoes	15.7	0.9	13.9	17.6	-	-	-	-	-	
Papaya	3.1	0.5	2.2	4.0	-	-	-	-	-	
Kiwi	12.3	0.8	10.8	13.8	-	-	-	-	-	
Pomegranate	7.8	0.8	6.3	9.4	-	-	-	-	-	
Pineapple	30.0	1.1	27.8	32.1	-	-	-	-	-	
Avocado (includes guacamole)	26.0	1.2	23.7	28.2	-	-	-	-	-	
Olives	27.2	1.1	24.9	29.4	-	-	-	-	-	
Any melon	39.7	1.3	37.2	42.3	-	-	-	-	-	
Cantaloupe	23.5	1.2	21.2	25.9	2.1	0.1	2.0	2.2	2.2	
Honeydew	13.8	1.1	11.7	15.9	1.9	0.1	1.7	2.1	2.1	
Watermelon	23.7	1.2	21.4	26.1	2.3	0.1	2.2	2.5	2.5	
Any berries	65.2	1.2	62.8	67.5	-	-	-	-	-	
Strawberries	49.6	1.3	47.1	52.0	2.9	0.1	2.7	3.0	3.0	
Raspberries	27.5	1.2	25.2	29.7	2.7	0.1	2.5	3.0	3.0	
Blueberries	31.3	1.2	28.9	33.7	3.1	0.1	2.9	3.2	3.2	
Blackberries	10.5	0.8	9.1	12.0	2.6	0.2	2.2	3.1	3.1	
Unpasteurized fruit juice	7.8	0.8	6.3	9.3	-	-	-	-	-	
Fruit smoothies	19.8	1.0	17.9	21.7	-	-	-	-	-	
NUTS AND NUT PRODUCTS										
Peanut butter	55.0	1.3	52.5	57.6	-	-	-	-	-	
Other nut paste, butter or spread	18.3	0.9	16.6	19.9	-	-	-	-	-	
Any nuts	65.4	1.2	63.1	67.6	-	-	-	-	-	
Peanuts (not including peanut butter)	33.6	1.3	31.0	36.1	2.8	0.1	2.5	3.0	3.0	

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	PROP	SE	LOWER CI	UPPER CI	MEAN	SE	LOWER CI	UPPER CI	MEAN	
Almonds	41.0	1.3	38.5	43.5	3.3	0.1	3.1	3.5	3.3	
Walnuts	18.5	1.2	16.2	20.7	3.3	0.2	2.9	3.6	3.3	
Hazelnuts (Filberts)	10.1	1.0	8.2	12.0	3.0	0.2	2.5	3.5	3.0	
Cashews	26.8	1.2	24.5	29.1	2.9	0.1	2.7	3.1	2.9	
Pecans	12.9	1.0	11.0	14.9	2.8	0.2	2.4	3.2	2.8	
SEEDS AND SEED PRODUCTS										
Sunflower seeds	18.3	0.9	16.5	20.1	-	-	-	-	-	
Sesame seeds	17.1	1.0	15.2	19.0	-	-	-	-	-	
Tahini, halva or other products made from sesame seeds	6.8	0.8	5.3	8.3	2.6	0.2	2.1	3.0	2.6	
BEEF										
Any beef (not including deli-meat)	78.4	1.1	76.3	80.6	2.6	0.1	2.5	2.7	2.6	
Raw beef	0.8	0.2	0.4	1.1	1.5	0.1	1.2	1.8	1.5	
Steak	31.1	1.1	28.8	33.3	1.3	0.0 ^s	1.3	1.4	1.3	
Stewing beef	13.8	1.0	11.8	15.8	1.4	0.1	1.3	1.5	1.4	
Other whole-cut beef products	20.0	0.9	18.2	21.9	1.4	0.0 ^s	1.3	1.5	1.4	
Any ground beef	63.4	1.2	61.0	65.9	-	-	-	-	-	
Any hamburgers	39.1	1.2	36.7	41.5	1.5	0.0 ^s	1.5	1.6	1.5	
Home-made	21.9	1.0	19.9	23.9	1.4	0.0 ^s	1.4	1.5	1.4	
Store-bought frozen beef patties	8.4	0.6	7.2	9.5	1.4	0.1	1.3	1.5	1.4	
From a restaurant or fast food establishment	16.1	0.9	14.3	17.9	1.4	0.0 ^s	1.3	1.5	1.4	
Any other ground beef	44.3	1.3	41.9	46.8	1.7	0.1	1.6	1.8	1.7	
Ground beef consumed raw or undercooked	0.7	0.1	0.4	1.0	1.9	0.3	1.2	2.5	1.9	

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	PROP	SE	LOWER CI	UPPER CI	MEAN	SE	LOWER CI	UPPER CI
PORK								
Any pork	55.1	1.3	52.6	57.5	1.9	0.1	1.8	2.1
Ham (not including deli-meat)	15.0	1.0	13.0	17.0	1.9	0.1	1.6	2.1
Bacon	27.2	1.1	25.1	29.3	-	-	-	-
Ground pork	8.3	1.0	6.3	10.2	1.6	0.1	1.3	1.8
Pork pieces or parts	33.7	1.2	31.3	36.1	1.5	0.0 ^s	1.4	1.5
POULTRY								
Any poultry	87.6	0.8	86.1	89.1	-	-	-	-
Any chicken (not including deli-meat)	85.6	0.8	84.0	87.3	2.6	0.0 ^s	2.5	2.7
Store-bought breaded chicken	16.5	0.8	15.0	18.0	-	-	-	-
Ground chicken	5.3	0.6	4.1	6.6	1.7	0.1	1.5	2.0
Chicken pieces or parts	70.0	1.2	67.6	72.4	2.3	0.1	2.1	2.4
Chicken from a restaurant or fast food establishment	21.0	1.1	18.9	23.1	1.2	0.0 ^s	1.2	1.3
Any turkey (not including deli-meat)	11.8	1.0	9.8	13.8	-	-	-	-
Turkey bacon	0.5	0.1	0.4	0.7	2.0	0.2	1.6	2.4
Ground turkey	2.5	0.4	1.7	3.4	2.1	0.7	0.8	3.5
Turkey pieces or parts	8.3	0.9	6.4	10.1	1.8	0.2	1.4	2.1
Other poultry (not including deli-meat)	2.3	0.3	1.7	2.9	-	-	-	-
DELI-MEAT								
Any deli-meat/cold cuts	49.3	1.3	46.8	51.8	2.5	0.1	2.4	2.7
Chicken	9.2	0.8	7.7	10.7	1.9	0.2	1.6	2.3
Turkey	12.4	1.0	10.5	14.3	1.9	0.1	1.7	2.1
Ham	28.2	1.2	25.8	30.5	2.0	0.1	1.9	2.1

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	PROP	SE	LOWER CI	UPPER CI	MEAN	SE	LOWER CI	UPPER CI
Beef	7.3	0.6	6.1	8.5	1.8	0.1	1.6	2.0
Bologna	8.5	0.8	7.0	10.1	2.0	0.1	1.7	2.2
Salami	11.3	1.0	9.3	13.2	1.9	0.1	1.6	2.1
Pepperoni	9.7	0.7	8.3	11.2	1.5	0.1	1.4	1.6
Kielbasa	2.9	0.3	2.2	3.5	1.6	0.1	1.3	1.8
OTHER MEAT / ANIMAL PRODUCTS								
Hot dogs	26.9	1.3	24.4	29.4	-	-	-	-
Sausage	30.8	1.2	28.5	33.2	-	-	-	-
Dried meat products	7.4	0.6	6.3	8.6	1.7	0.1	1.5	1.9
Pâté/meat spread	5.3	0.6	4.1	6.6	-	-	-	-
Lamb	5.3	0.6	4.2	6.4	-	-	-	-
Veal	4.8	0.5	3.9	5.7	-	-	-	-
Goat	2.4	0.7	1.1	3.7	-	-	-	-
Organ meats or offal	4.2	0.9	2.5	5.9	1.3	0.1	1.1	1.5
Shawarma or donair	3.4	0.7	2.0	4.7	-	-	-	-
FISH & SEAFOOD								
Any fish	55.6	1.2	53.2	58.0	-	-	-	-
Smoked fish	7.4	0.7	6.1	8.8	-	-	-	-
Raw fish	6.8	0.8	5.2	8.4	-	-	-	-
Any shellfish	16.8	1.1	14.6	19.0	-	-	-	-
Mussels	2.0	0.2	1.6	2.5	1.2	0.1	1.0	1.4
Clams	2.1	0.7	0.7	3.5	-	-	-	-
Scallops	3.5	0.5	2.5	4.6	-	-	-	-
Shrimp/prawns	14.1	1.1	12.0	16.3	-	-	-	-
Crab	2.9	0.6	1.8	4.0	-	-	-	-

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	PROP	SE	LOWER CI	UPPER CI	MEAN	SE	LOWER CI	UPPER CI
Lobster	2.4	0.7	1.0	3.9	-	-	-	-
Any oysters	1.0	0.2	0.7	1.3	1.2	0.0 ^s	1.1	1.2
Raw oysters	0.4	0.1	0.2	0.6	1.2	0.1	1.0	1.3
EGGS								
Any eggs	80.7	1.0	78.6	82.7	-	-	-	-
Raw or undercooked eggs	15.0	0.8	13.3	16.7	-	-	-	-
DAIRY / DAIRY SUBSTITUTES								
Any dairy products (not including cheese)	84.6	0.9	82.9	86.4	-	-	-	-
Pasteurized dairy milk	74.7	1.1	72.5	76.9	-	-	-	-
Unpasteurized dairy milk (not including cheese)	2.8	0.5	1.9	3.7	6.1	0.5	5.2	7.1
Powdered milk product	2.6	0.3	1.9	3.3	-	-	-	-
Whipped/whipping cream	15.0	0.9	13.3	16.8	-	-	-	-
Sour cream	23.4	1.0	21.5	25.4	-	-	-	-
Ice cream/gelato	42.0	1.3	39.5	44.5	-	-	-	-
Yogurt	58.2	1.2	55.8	60.7	-	-	-	-
Any dairy substitutes or non-dairy milk	15.9	0.9	14.1	17.7	-	-	-	-
CHEESE								
Any cheese	88.8	0.8	87.2	90.5	-	-	-	-
Cheddar	72.6	1.1	70.4	74.7	-	-	-	-
Mozzarella	47.6	1.3	45.2	50.1	-	-	-	-
Parmesan	40.1	1.3	37.7	42.6	-	-	-	-
Gouda	7.0	0.6	5.9	8.1	2.1	0.1	1.9	2.4
Feta	19.0	1.0	17.0	20.9	-	-	-	-
Other cheeses sold as blocks/wheels	25.5	1.0	23.5	27.5	-	-	-	-

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	PROP	SE	LOWER CI	UPPER CI	MEAN	SE	LOWER CI	UPPER CI
Brie, camembert or other soft cheese	13.5	0.9	11.8	15.2	-	-	-	-
Blue-veined cheese	5.6	0.6	4.3	6.8	-	-	-	-
Cottage, ricotta or other fresh cheese	13.1	0.9	11.4	14.8	-	-	-	-
Goat/sheep milk cheese	8.6	0.8	7.1	10.1	-	-	-	-
Processed cheese	36.1	1.2	33.8	38.5	-	-	-	-
Any cheese made with unpasteurized milk	3.6	0.5	2.6	4.7	2.6	0.2	2.1	3.1
FROZEN FOODS								
Frozen vegetables	38.7	1.2	36.3	41.1	-	-	-	-
Any frozen fruit	24.2	1.0	22.3	26.1	-	-	-	-
Frozen berries	21.3	0.9	19.6	23.1	-	-	-	-
Frozen fruit (not including berries)	9.4	0.7	8.0	10.8	-	-	-	-
Frozen pizza	20.1	1.0	18.2	22.0	-	-	-	-
Frozen pot pies	3.6	0.5	2.6	4.7	-	-	-	-
Frozen meals in a bag or box	9.9	0.7	8.6	11.2	-	-	-	-
Frozen snack foods/appetizers	6.1	0.8	4.6	7.6	-	-	-	-
DRIED, PROCESSED & OTHER								
Dried fruit	33.2	1.2	30.8	35.7	-	-	-	-
Granola bars, power bars, or other protein bars	37.5	1.2	35.2	39.9	-	-	-	-
Chips or pretzels	53.9	1.3	51.4	56.4	-	-	-	-
Chocolate or chocolate-containing candy	63.9	1.2	61.6	66.2	-	-	-	-
Cold breakfast cereal	54.3	1.3	51.8	56.7	-	-	-	-
Hot breakfast cereal	28.5	1.1	26.4	30.5	-	-	-	-
Tofu	8.5	0.9	6.8	10.2	-	-	-	-
Dietary or nutritional supplement	28.2	1.2	25.9	30.5	-	-	-	-

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EXPOSURE	PROPORTION				FREQUENCY			
	PROP	SE	LOWER CI	UPPER CI	MEAN	SE	LOWER CI	UPPER CI
ETHNIC FOODS & FAST FOODS								
Asian style foods	27.4	1.2	24.9	29.8	-	-	-	-
Indian style foods	13.5	1.0	11.4	15.5	-	-	-	-
Mexican style foods	16.7	0.9	14.9	18.5	-	-	-	-
Meal from a fast food restaurant	53.6	1.5	50.7	56.5	1.7	0.0 ^s	1.6	1.8
BABY FOODS[†]								
Any baby formula	23.1	2.4	18.4	27.7	-	-	-	-
Liquid	10.9	1.7	7.6	14.1	-	-	-	-
Powder	18.5	2.2	14.1	22.8	-	-	-	-
Store-bought pureed baby food	20.5	2.3	16.0	24.9	-	-	-	-
Infant/toddler cereal	22.9	2.2	18.5	27.3	-	-	-	-
WATER								
Primary drinking water source								
Municipal water	68.5	1.1	66.4	70.6	-	-	-	-
Private well	10.8	0.6	9.6	12.0	-	-	-	-
Store-bought bottled water	18.8	0.9	16.9	20.6	-	-	-	-
Raw water consumption	2.6	0.3	2.0	3.1	-	-	-	-
Swim or go into any water	13.1	0.8	11.6	14.6	-	-	-	-
Swim or go into any natural water	4.0	0.5	3.1	5.0	-	-	-	-
Ocean	1.2	0.4	0.4	2.0	2.5	0.4	1.7	3.3
Lake	2.6	0.3	2.0	3.2	2.6	0.3	2.1	3.1
River	0.8	0.2	0.4	1.2	1.6	0.2	1.2	2.1
Natural hot spring	0.3	0.2	0.0	0.6	1.5	0.2	1.1	1.9
Pool	9.7	0.7	8.3	11.0	-	-	-	-

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[†] Baby food consumption questions were asked only of proxy respondents answering on behalf of those who were <2 years old.

EXPOSURE	PROPORTION					FREQUENCY				
	PROP	SE	LOWER CI	UPPER CI	MEAN	SE	LOWER CI	UPPER CI	MEAN	
Hot tub	3.4	0.4	2.7	4.1	-	-	-	-	-	
Recreational waterpark	1.6	0.3	1.0	2.2	-	-	-	-	-	
Swim or go into a swimming facility in the last 4 weeks	19.3	1.0	17.3	21.3	3.9	0.2	3.5	4.4	4.4	
ANIMAL CONTACT										
Any contact with animals, animal waste, habitat or food	63.4	1.3	60.9	65.9	-	-	-	-	-	
Cat	31.9	1.1	29.8	34.1	12.5*	1.0	10.5	14.5	14.5	
Dog	43.3	1.2	40.9	45.7	15.1*	1.2	12.7	17.4	17.4	
Bird	2.6	0.3	2.0	3.2	6.0*	1.1	3.7	8.2	8.2	
Reptile	1.6	0.3	1.1	2.2	3.2*	0.7	1.9	4.5	4.5	
Amphibian	1.2	0.4	0.5	1.9	1.6*	0.3	1.1	2.2	2.2	
Rodent or pocket pet	3.4	0.4	2.7	4.2	6.6*	2.7	1.3	12.0	12.0	
Fish or aquarium	4.5	0.6	3.3	5.8	3.0*	0.5	2.1	3.9	3.9	
Cow	2.8	0.4	2.1	3.6	12.4*	6.2	0.3	24.5	24.5	
Goat, sheep or lamb	2.1	0.4	1.3	2.8	11.3*	7.8	0.0	26.5	26.5	
Horse	3.4	0.3	2.8	4.0	10.1*	4.9	0.5	19.6	19.6	
Pig	1.2	0.3	0.5	1.8	2.9*	0.8	1.3	4.6	4.6	
Poultry/baby poultry	2.8	0.4	2.0	3.6	4.3*	1.0	2.3	6.3	6.3	
Handled any dry pet food	43.0	1.2	40.6	45.4	-	-	-	-	-	
Handled any canned/wet pet food	12.1	0.7	10.7	13.5	-	-	-	-	-	
Handled any raw pet food (store-bought or home-made)	3.8	0.5	2.7	4.8	-	-	-	-	-	
Handled any treats derived from animal parts	8.3	0.7	7.0	9.6	-	-	-	-	-	
Handled any processed animal treats	23.5	1.0	21.4	25.5	-	-	-	-	-	

NOTES: “-” indicates that the value was not measured.

s= greater than 0, less than 0.05. If there is a ‘0.0’ value without an ‘s’, value is exactly 0.

Prop=proportion expressed as a percentage

SE=Standard Error

CI=Confidence Interval

EXPOSURE	PROPORTION				FREQUENCY			
	PROP	SE	LOWER CI	UPPER CI	MEAN	SE	LOWER CI	UPPER CI
Handled any rodents/ insects for reptiles	1.3	0.3	0.7	2.0	-	-	-	-
Handled any farm animal/ livestock feed	3.8	0.4	3.0	4.7	-	-	-	-
Visited any petting zoo	1.1	0.3	0.5	1.7	-	-	-	-
Visited any farm or barn	6.9	0.6	5.6	8.1	-	-	-	-
Visited any agricultural fair	1.3	0.3	0.7	1.8	-	-	-	-
Visited any pet store	4.5	0.4	3.7	5.3	-	-	-	-

NOTES: “-” indicates that the value was not measured.
s=greater than 0, less than 0.05. If there is a ‘0.0’ value without an ‘s’, value is exactly 0.
Prop=proportion expressed as a percentage
SE=Standard Error
CI=Confidence Interval

