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The Foodservice Industry

Structure, Organization, and Use of Food, Equipment, and Supplies

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ABSTRACT

Nearly 378,000 foodservice establishments purchased 49 billion pounds of food in 1979, up 12 billion pounds from 1969. The total retail value of food served away from home reached \$102.4 billion, spent by a daily average of 169 million customers. Separate eating places, the industry's largest segment, grossed \$58.4 billion in meal and snack sales in 1979, up 360 percent from 1966. Growth in numbers and revenue of away-from-home eating was spurred by rising incomes, a more mobile population, the trend toward convenience eating, and the increase in franchising and multiunit firms.

Keywords: Foodservice industry, eating places, away-from-home eating, food markets, industry structure, equipment, supplies.

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PREFACE

This research was requested on behalf of the food industry by the International Foodservice Manufacturers Association (IFMA), Michael J. Licata, President. Primary objectives were to obtain information on industry structure and organization, the quantity of foods received, use of foodservice equipment and nonfood supplies, and other characteristics of establishments which make up the industry.

Financial support was provided by associations, commodity groups, and individual firms having an interest in the foodservice industry. Leadership in organizing and coordinating the research effort was provided by Reuben R. Cordova, formerly Executive Vice President, IFMA; William S. Ash, Market Research and Planning Director, Durkee Foods Division of SCM Corporation; and J. C. Heithaus, Market Research Director, Hobart Corporation. Other contributors who were members of IFMA's Market Research Committee were John Hofer, Technomic Consultants; Charles Lehman, formerly with Chef's Pantry, Inc.; Arthur Skulstad, formerly with Kraft, Inc.; Malcolm Knapp, Malcolm M. Knapp, Inc.; Ronald Klimek, formerly with CFS Continental, Inc.; and Robert Schmitz, formerly with American Can. Data were gathered by Audits and Surveys, Inc., under the direction of Dexter Neadle and Nagesh Gupta.

Thomas Stafford and Barry Ford of the U.S. Department of Agriculture designed and developed the sample; Kenneth King, USDA, was responsible for data processing systems and programming; and James Carlin, USDA, was editor. Michael G. Van Dress directed the Department's efforts and provided consultation on methodology and procedures during the survey.

Statistics are provided on numbers of establishments by kind and size of business and primary type of food service offered. Using these establishment characteristics as major classifications, detailed information is shown on product movement, equipment inventories, and use of nonfood supplies. Selected data on workers, persons served, cost components, food vending, and energy also are provided.

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SUMMARY

Americans spent 38 percent of their food dollar on meals and snacks away from home in 1981, up from a 26-percent share in 1960. The consumer trend toward quick and convenient meals away from home led to a jump in the number of cafeteria and fast food outlets since 1966. Although establishments offering table and booth service still dominate the foodservice industry, their numbers dropped from 79 percent of all outlets in 1966 to 58 percent in 1979.

The consumer trend toward spending more food dollars in the foodservice market was triggered by rising incomes, changing living and working habits, a more mobile population, and the national inclination to purchase greater convenience. The estimated total retail value of food served away from home reached \$102.4 billion in 1979; an average of 169 million persons was served daily. Real sales increased 3 percent, compounded annually, and 34 percent more people were served compared with 1966. In current dollars, the increase in sales amounted to over 10 percent. Continued growth in the foodservice industry, though slowing, will likely rely on rising income and the expected continued increase in single-person households and away-from-home food purchases by people in the age group 22 to 40 years.

The following trends characterized the foodservice industry between 1966-79:

In 1979, the foodservice establishments reviewed in this survey bought 49 billion pounds of food, up from 37 billion pounds in 1969.

Certain farmers will benefit from expansion of the foodservice industry, especially more variety in fast food menus. Vegetable, fruit, poultry, and grain producers will likely gain. The trend toward breakfast offerings should further boost producer earnings.

Independent firms, while declining in number, still outnumbered franchised businesses in 1979--88 percent of sitdown operations were unaffiliated, and 63 percent of fast food places remained independent.

The foodservice industry employed more workers than any other retail business, averaging 13 workers per establishment in 1979, compared with eight in 1966. Eighty-six of 100 establishments employed workers other than the proprietor or partners, and 38 percent of the employees worked at least 40 hours per week.

Food industry employees were becoming increasingly younger as the number of sitdown service establishments declined. Fewer waiters/waitresses meant more wages paid at, or slightly above, minimum wage, and fewer jobs held as a major source of family income.

The foodservice sector, which has more retail outlets than any other business, has become increasingly stable since 1966. In 1979, 7 of 10 places were in business at least 5 years, and only 3 of 100 were operating for less than a year.

In 1979, separate eating places, the industry's major segment with 231,000 establishments, registered \$58.4 billion in sales of food and nonalcoholic beverages, a 360-percent increase from 1966. Growth in fast food sales (available at establishments that primarily offer drive-up, carryout, or delivery service, and those that offer counter service with seating and stand-up facilities elsewhere in the establishment) was even more dramatic, showing a tenfold increase in current dollars and a fivefold increase in constant dollars.

GLOSSARY

Food service--The dispensing of prepared meals and snacks intended for onpremise or immediate consumption, except for the following products when other solid foods are not available: candies, popcorn, pretzels, nuts, and drinks. Further, vended foods qualify as food service only when tables or counters are available in the immediate area and a person with records of food receipts is present at the establishment.

Foodservice establishment--A complex operating under a single name at a given location in which food service is available. An establishment may consist of a single building, such as a separate eating place, or many buildings, such as a university, a factory, or an amusement park.

Foodservice operation--A unit that provides food service within an establishment, having its own food records and food preparation area(s) or a kitchen. Two or more foodservice operations in an establishment that have combined food records or that use a food preparation area or kitchen together are treated as a single foodservice operation. An establishment may have more than one foodservice operation.

Size of operation--A measure based on sales of food and non-alcoholic beverages in its foodservice operation(s). "Retail value" and "sales" are used synonymously in this report and the term "food" is used to include "nonalcoholic beverages."

Avoirdupois weight--The system used to report estimated quantities of products received, that is, the unit of weight is the pound of 16 ounces. Liquid measures, such as pints, quarts, and gallons are converted to pounds.

Kind of business--A classification reflecting the product(s) or service(s) which is the primary source of the establishment's receipts or the traditional trade activity or service designation which characterizes the establishment's business. They are:

Separate eating places: Establishments that do not operate as subordinate facilities of different and separately identifiable kinds of businesses, and whose primary function is the sale of food for onpremise or immediate consumption.

Separate drinking places: Establishments with foodservice that do not operate as subordinate facilities of different and separately identifiable kinds of businesses and whose primary function is the sale of alcoholic beverages sold for consumption on the premises.

Retail stores: Foodservice operations that operate in conjunction with retail establishments, such as department stores; limited-price variety stores; delicatessens; candy, nut, or confectionery stores; retail bakery stores; and drug stores.

Hotels/motels: Establishments that are engaged in providing both lodging and meals to the general public. Included here are

tourist courts that provide food service. Excluded are rooming and boarding houses and private residences.

Civic/social/fraternal associations: Nonprofit membership organizations with food service, excluding fraternity and sorority residential houses.

Recreation/amusement: Foodservice operations in drive-in theaters, dinner theaters; bowling, billiard, or pool halls; commercial sports establishments (racetracks and stadiums); membership golf or country clubs; public golf courses; and miscellaneous commercial amusement and recreational establishments (tennis clubs, athletic clubs, and amusement parks).

Other public places: Miscellaneous public eating places covered by the survey not elsewhere classified, including gas stations, office buildings, plants, and airports.

Hospitals: Included are both public and private hospitals. Excluded are hospitals on military bases and university hospitals not open to the public.

Nursing/care facilities: This group included the following types of public and private establishments:

- a. Skilled nursing homes--provide continuous health care as their primary function;
- b. Nursing and personal-care facilities--provide some nursing services but not on a continuing basis; and
- c. Residential-care facilities--provide personal care where medical care is not a major element.

Colleges/universities: Establishments that require a high school diploma or equivalent for admission. Such establishments grant degrees, associate degrees, certificates, or diplomas. Included are junior colleges and professional and normal schools.

Other institutions: Foodservice operations in religious organizations (convents and monasteries) and community programs (such as job-training centers).

Primary type of food service--A single method of serving, selling, or dispensing meals and snacks considered most important by the operator. If operators were uncertain about the primary type of food service offered, they were asked to indicate that type which produced the greatest amount of sales. They are:

Table/booth with waiter/waitress service: This group includes operations which provide sitdown service at tables and/or booths.

Counter service with waiter/waitress: This group includes operations which provide sitdown service at counters.

Counter purchase: This group includes operations in which meals and snacks are purchased at the counter but normally are eaten elsewhere in the establishment.

Drive-up windows/carryout/delivery: Operations in which carry-out orders, purchases at drive-up windows, or delivery service is the primary source of revenue.

Cafeteria type: Operations in which people perform a self-service function in the process of obtaining meals and snacks for onpremise or immediate consumption. Excluded are food-vending operations.

Other: This group contains operations that are not classified in any of the above groups. These establishments may provide such services as banquet facilities, catering, and food vending.

1. The first part of the paper is devoted to a general discussion of the problem of the existence of solutions of the system of equations

$$\frac{dx}{dt} = A(x)u, \quad \frac{dy}{dt} = B(x)y, \quad (1)$$

where $A(x)$ and $B(x)$ are matrices depending on x , and u is a vector function.

2. In the second part, we consider the case when the matrix $A(x)$ is constant, and the matrix $B(x)$ is a function of x .

3. In the third part, we consider the case when the matrix $A(x)$ is a function of x , and the matrix $B(x)$ is constant.

4. In the fourth part, we consider the case when both matrices $A(x)$ and $B(x)$ are functions of x .

5. In the fifth part, we consider the case when the matrix $A(x)$ is constant, and the matrix $B(x)$ is a function of x , and the vector function u is a constant vector.

6. In the sixth part, we consider the case when the matrix $A(x)$ is a function of x , and the matrix $B(x)$ is constant, and the vector function u is a constant vector.

7. In the seventh part, we consider the case when both matrices $A(x)$ and $B(x)$ are functions of x , and the vector function u is a constant vector.

8. In the eighth part, we consider the case when the matrix $A(x)$ is constant, and the matrix $B(x)$ is a function of x , and the vector function u is a function of x .

9. In the ninth part, we consider the case when the matrix $A(x)$ is a function of x , and the matrix $B(x)$ is constant, and the vector function u is a function of x .

10. In the tenth part, we consider the case when both matrices $A(x)$ and $B(x)$ are functions of x , and the vector function u is a function of x .

The Foodservice Industry

Structure, Organization, and Use of Food, Equipment, and Supplies

Michael G. Van Dress*

INTRODUCTION

In 1981, expenditures for meals and snacks away from home, which encompass the foodservice industry, accounted for about 38 percent of total expenditures for all foods, up 12 percentage points from 1960 when the foodservice sector accounted for 26 percent of total food expenditures. Growth in food service was accompanied by marked changes in industry structure and organization. Sales by fast food firms accounted for about 38 percent of total sales by eating places (SIC 5812) in 1981, up from 15 percent in 1963.^{1/} Sales by fast food chains--those with 11 or more outlets--increased from 9 percent of total fast food sales in 1963 to about 40 percent in 1981. Although total growth in food service has benefited suppliers to this industry, including farmers, manufacturers, and distributors, changes in industry structure and organization have altered the mix of foods consumed away from home and the kinds of equipment and supplies purchased. While these changes profited some suppliers, they had a negative impact on others.

This report identifies current product markets and provides statistics on the structure and organization of the foodservice industry and information on economic and physical characteristics of foodservice establishments. Measures of changes since the survey was last conducted in 1966-69 also are provided. As used in this report, food service is the dispensing of prepared meals and snacks for onpremise or immediate consumption in establishments which collectively make up the foodservice industry.

PROCEDURE

Interviews were conducted with representatives of 2,272 foodservice establishments. Respondents were selected from a stratified, two-stage probability-proportional-to-size sample representing the contiguous United States. Stratification was by the

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^{1/} Standard Industrial Classification (SIC) codes were developed by the Office of Management and Budget as a statistical tool. The code classifies industries as economic units which produce goods and services.

four census regions, and within these, by six zones based upon degrees of urbanization.

The survey represented all foodservice operations except those that operated in elementary and secondary schools, the military services, correctional institutions, programs for senior citizens, child day-care services, churches and synagogues, fraternity and sorority residential houses, boarding houses, intransit feeding, mobile lunch and ice cream wagons, food-stores, and selected types of theaters and vended food locations. Estimates for these segments were developed individually by the U.S. Department of Agriculture (USDA). All other segments of the foodservice industry were represented by the sample survey. (They are listed on page 3 of the Screening/Call Report Form in the appendix.)

Estimates of reliability were not computed for findings from this survey as they were for those from the 1966-69 survey. In the 1966-69 survey, such estimates were reported in the form of coefficients of variation. For the 16 major food groups in that survey, the coefficients ranged from 2.2 percent (at one standard deviation) for dairy products and ices to 7.9 percent for seafood. For the dairy group, then, the chances were 95 out of 100 (at two standard deviations) that the true quantity would lie within 4.4 percent, plus or minus, of the estimated quantity.

Data were collected randomly beginning November 1978 and ending October 1979, although callbacks continued through January 1980. Annual sales were for the most recent period for which data were available prior to the interview. Sales estimates from the survey mostly covered the period July 1978 to July 1979. Estimates for nonsurveyed market segments were primarily for October 1978 to September 1979. All other estimates reflected information as of the date of the scheduled interview.

The survey data were classified under public eating places and institutional, or nonpublic, eating places. Public eating places primarily sell a product or service for profit, whereas institutional food service is labeled as rendering a service, although a profit is sometimes possible. Establishments in the public eating sector accounted for 87.5 percent of the total number of establishments represented in the survey, but they registered a lower percentage of sales. Most of the establishments that were not represented by the survey were the institutional type. The survey accounted for 95 percent of the value of all food and beverage purchases made by public eating establishments, but recognized just 40 percent of purchases made by institutional establishments. Institutional sector purchases excluded the military services and elementary and secondary schools, which together, accounted for nearly 50 percent of food purchases.

Information from the current survey sometimes is compared with a 1966-69 study. Differences in the estimates between the periods may be due to some differences in sample design and to other sampling and nonsampling errors. Some comparisons between findings

are made in aggregate form without adjusting for differences in establishment classification and/or representation. For example, grocery and dairy stores, fraternity and sorority residential houses, and theaters (except drive-in and dinner theaters) were included in 1966-69 but not in 1979. Conversely, Federal hospitals, if they were not physically located on a military reservation, had an opportunity for sample selection in 1979 but not in 1966-69. Classification changes placed sporting and recreational camps with the public sector in 1979, although they were classified under institutions in 1966-69. Classifications used in the 1966-69 surveys, such as sanatoriums, convalescent homes or resthomes, and homes for the aged, young, handicapped, or mentally ill, were redefined for the 1979 survey as residential-care facilities and nursing and personal-care facilities. Because of technical requirements in classifying some medical and care facilities, an establishment may have been misclassified prior to sample selection, but misclassification was not likely. Overall, these changes decreased the 1979 food purchase value about 0.7 percent for public eating places and 1.4 percent for institutions. (Additional detail on sample methodology and data collection is provided in the appendix.)

INDUSTRY GROWTH AND CHANGE

The foodservice industry grew rapidly during the sixties and seventies. Projected estimates of the 1979 survey data showed the retail value of meals and snacks served away from home at about \$86 billion, when 139 million persons were served daily.

These estimates showed neither the value of food moving through establishments not included in the survey nor the number of persons served in them. The value of products moving through those establishments is estimated at \$17 billion, received from serving 31 million persons daily.

Estimates for both the surveyed and nonsurveyed categories are provided on the following page.

The estimated total retail value of food served away from home, excluding alcoholic beverages, reached \$102.4 billion; nearly 170 million persons were served daily in 1979. Real sales, compounded annually, increased 3 percent; 2.7 percent more people were served compared with 1966.

In current dollars, the increase in sales, compounded annually since 1966, was estimated at 10.5 percent. If this rate of growth should continue into the mideighties, the value of meals and snacks away from home should approach \$187 billion. However, many variables, such as income, affect away-from-home eating. Growth rates tend to slow as industries mature, and there are indications that food service may be approaching this point in its life cycle, although a given individual firm may attain substantial growth in future years. Growth in population and the number of mothers employed outside the home--variables which also had a favorable impact on food service--may not approach the increases achieved since the sixties. Double-income families frequent eating places more often than families with one spouse

Industry sector	:	:
	:	:
	:	:
	:	:
	:	:
	Retail food value	Persons served daily
	Mil. dol.	Mil.
Public establishments	76,962	120.9
Surveyed population	73,606	115.6
Nonsurveyed population	3,356	5.3
Intransit feeding	1,467	--
Retail outlets	724	--
Mobile lunch and ice cream wagons	294	--
Alaska and Hawaii	871	--
Institutional establishments	25,447	48.4
Surveyed population	12,103	23.0
Nonsurveyed population	13,344	25.4
Schools	7,340	--
Military services	3,337	--
Correctional institutions	845	--
Senior citizens	491	--
Child day-care	343	--
Other	988	--
Industry total	102,409	169.3

--=Estimates were not imputed separately for these categories.

employed. The check size per person for families with both spouses employed is larger, and annual expenditures are about one-fifth again as large as households with only one spouse employed.

Foodservice growth may have to rely on such factors as increases in singleperson households and in the proportion of people from 22 to 40 years of age. People in these categories eat out more frequently and spend more of their income than others for meals and snacks away from home. The tendency toward small households--a favorable trend for the foodservice industry--is expected to continue.

However, the foodservice industry, especially the commercial segment, is not expected to maintain the high growth rates in the eighties that it has experienced since 1966. In fact, sales at eating places (SIC 5812) actually declined in 1979 and 1980, after adjusting for inflation. However, real sales have since rebounded and showed an average increase as of the first quarter of 1982 of 0.6 percent compared with the previous year.

SURVEY FINDINGS

The Foodservice Industry Survey concentrated on segments of the market that could be efficiently represented in the sample design. Segments were excluded that did not meet this criterion or for which data could be obtained elsewhere. The establishments represented in the survey accounted for about 81 percent of the value of all food and nonalcoholic beverages purchased by the total industry. The amount purchased by nonsurveyed, public eating places accounted for 3 percent of the industry total, and purchases by nonsurveyed, institutional eating places accounted for 16 percent. Additional values are provided on the following page.

Industry Structure, Organization, and Operation

Food service is available in about 378,000 establishments of the types represented in the 1979 survey, about 7,000 more establishments than was estimated from a similar survey of the foodservice industry in 1966 (app. table 1).

The slight increase would suggest, at first, that the industry changed little during the intervening 13 years. However, substantial changes occurred in industry structure and organization, the number of customers served, real dollar sales, and the types and quantities of products used. Some market segments had major declines in number of establishments while others grew. According to data published by the Bureau of the Census, the number of establishments classified as single unit eating places (SIC 5812) increased almost 2 percent between the 1972 and 1977 Retail Trade censuses.^{2/} However, the number of establishments affiliated with a franchise firm and owned by a franchisee increased by about 44 percent during the same period. Since establishments are classified by firm size without regard to franchise affiliation, many single unit establishments actually had available to them the full backing of many services that franchise firms can provide, such as site location, design and construction assistance, training, accounting, links with supply sources, and advertising and promotion. Consequently, franchise establishments more often operate similarly to outlets of chains rather than as independents. When the figures were adjusted to reflect this difference, single unit firms dropped to 66 percent of the total in 1977, down from 75 percent in 1972. Multiunit firms, on the other hand, reached 34 percent of the total in 1977, up from 25 percent just 5 years earlier.

Kind of Business

Separate eating places dominated the industry with 231,000 establishments, or 61 percent of all establishments surveyed. In the 1966 survey, separate eating places accounted for 54 percent of the establishments. Separate drinking places maintained second position in 1979 with 8 percent of the establishments, although the number of such places actually decreased from 52,000 in 1966 to 31,000. Recreation and amusement places and nursing

^{2/} The Census of the Retail Trade is part of the economic censuses of the Nation's industrial and business activities conducted at 5-year intervals to provide a detailed statistical profile of a large segment of the national economy.

Surveyed and nonsurveyed industry sectors	Food purchase value	Percent distribu- tion
	<u>Mil. dols.</u>	<u>Percent</u>
Public eating places	30,337	73.0
Surveyed population	29,007	69.8
Nonsurveyed population	1,330	3.2
Intransit air and rail	589	1.4
Alaska and Hawaii	342	.8
Miscellaneous retail establishments	284	.7
Mobile lunch and ice cream wagons	115	.3
Institutional eating places	11,201	27.0
Surveyed population	4,551	11.0
Nonsurveyed population	6,650	16.0
Schools	3,670	8.8
Military services	1,647	4.0
Correctional institutions	422	1.0
Senior citizens	246	.6
Intransit inland waterways	237	.6
Child day-care	171	.4
Alaska and Hawaii	56	.1
Other	201	.5
Industry total	41,538	100.0

and personal-care facilities each represented 5 to 6 percent of the establishments surveyed.

The total number of drinking places (SIC 5813), as well as the number that provided food service, decreased markedly since 1972. But sales of meals and snacks, as a percentage of total sales of all drinking places, and as a percentage of those that provided food service, actually increased marginally.

Continued changes are anticipated in the physical structure of the industry, possibly altering the demand for goods and services.

Primary Type of Food Service

Establishments primarily offering waiter/waitress (sitdown) service at tables and booths constituted almost half the total number surveyed (app. table 2). However, eating places that offered this service, whether as a primary or secondary service, decreased from 79 percent in 1966 to 58 percent. Although this trend should continue, it is expected to moderate as proportionately fewer independents leave the business and, possibly, as

fast food places continue to increase their food and service offerings in competition for customers. Conversely, the number of establishments that offered cafeteria service increased to 11 percent from 7 percent in 1966. Fast food outlets (a combination of establishments that primarily offered services as drive-up, carryout, or delivery and those that offered counter purchase with seating or stand-up facilities elsewhere in the establishment) accounted for 29 percent of all establishments surveyed. Separate eating places had proportionately more fast food outlets than any other kind of business, accounting for 37 percent of such establishments. While direct comparisons for this type of food service were not made because of differences in definition between the 1966 and 1979 surveys, Bureau of the Census data indicate that real sales of fast food eating places (SIC 5812) increased 51 percent between 1972 and 1977, after adjusting for inflation.

If this trend continues, farmers will benefit who produce commodities for such processed items as cheese, buns, and pickles, which are frequently used by fast food places. Farmers that produce infrequently used commodities, such as fruit, turkey, and milk to be churned into butter, may experience a softening of demand, other things being equal. It should be noted, however, that the limited menu of fast food places is gradually becoming less limited, and this trend will likely continue. Farmers will benefit who produce vegetables for salad bars, ingredients for breakfast offerings, and chicken, pork, and fish items for burger outlets expanding their menus.

Establishment Size

More than half of the establishments surveyed had annual meal and snack sales of less than \$100,000. About 86 percent of separate drinking places grossed less than \$100,000 in meal and snack sales. Generally, as sales increased, there were fewer establishments. For example, about 2 percent of the establishments surveyed had meal and snack sales of \$1,250,000 or more, but a quarter had sales of less than \$40,000, annually. In the 1966 survey, about 3 percent had sales of at least \$775,000, and 38 percent had sales of less than \$50,000 in 1979 dollars.

Firm Size

Seventy-one percent of the firms were single establishments in 1979, down from 87 percent in 1966. However, single unit establishments with franchise affiliations were included in the 71-percent figure but not in the 87-percent total.

The drift toward fewer independents also is reflected in statistics from the Bureau of the Census. In 1967, 90 percent of eating places (SIC 5812) were single unit firms, and chains--firms with 11 or more units--had only 5 percent. By 1977, the percentage of independents had decreased 11 percentage points, but the number of units owned by chains had had a net increase of 8 percentage points. The balance was accounted for by multi-unit firms which were not classified as chains. Census figures on independents included establishments that had a franchise affiliation.

Proportionately fewer establishments tend to offer table or booth service as a primary type of food service when firm size increases. Fifty-two percent of single unit firms provided table and booth service. This service was offered by 37 percent of chain outlets and by 34 percent of the outlets of firms with 250 or more units. Conversely, about 49 percent of the outlets of large multiunit firms, 37 percent of the outlets of chains, and 25 percent of the independents were likely to be fast food establishments.

Independents offered a greater mix of foods than the franchise or chain outlets. An efficient restaurant operator might use a full menu as a management tool to control food costs and maintain competitive menu prices while keeping a high level of satisfied customers. This would be especially appropriate during periods of rising prices and relatively lower disposable incomes. This approach requires menu flexibility because managers would have to gear menus or specials to foods in plentiful supply, and which may be purchased at a savings.

Wholesalers could develop and/or increase their market shares by offering independents many of the same services that chains and franchise firms provide their member outlets. Beginning in the thirties, this was accomplished successfully in the grocery industry, allowing many independent grocery stores to compete with chain outlets. There were differing plans and approaches, but the common element was group action resulting in large-scale purchases, consolidated deliveries, inventory control, and better access to capital.

The trend of an industry from one of mostly independents toward one of chain outlets is expected to continue but at a declining rate. The independents that are still in business are relatively stronger than in 1966, and can probably compete more effectively today based on growth in real sales per establishment. Since a wider variety of products may be purchased by independents than chains and franchise firms that tend to operate limited menu outlets, more farmers would likely benefit from an increase in single unit firms. Nevertheless, chains and franchise firms exercise advantages over independents in many critical areas, such as advertising and promotion, centralized purchasing, inventory, accounting, and administrative technologies and controls, and their share of the total market is expected to increase.

Franchise Association

About 19 percent of respondents were associated with a franchise firm (app. table 3). In the 1966 survey, a minimum of 87 percent of public eating places were not affiliated. An undetermined additional percentage of multiunit outlets and institutions also had no affiliation. Further comparisons with the 1966 survey are not appropriate because of differences in the extent of detail tabulated. But franchising apparently has grown substantially during the two survey periods.

Slightly more than half of the establishments with a franchise association were operated by a franchisee, but this varied

substantially when establishments were classified by primary type of food service. The franchisee, who actually owns and operates the business, agrees to maintain specific uniform products, services, and practices in the operation of the business. A franchisor outlet is owned and managed directly by the franchise firm. Franchisees were more likely to operate establishments that primarily offered drive-up windows, carryout or delivery service, and sitdown service at counters. Franchisors, on the other hand, had a higher proportion of establishments that offered cafeteria or room service. About the same percentage operated fast food outlets where food was purchased at counters. Fast food service was offered by about 60 of 100 establishments that had any association with a franchise, compared with only 5 of 100 that primarily offered counter service, and 30 of 100 that offered table or booth service.

Eighty-eight percent of the establishments that featured sitdown service were not associated with a franchise firm. About 4 out of 5 were independents. In fast foods, 63 percent were not associated with a franchise firm and only 6 in 10 were independents.

As the structure of the industry evolves, so will the needs and requirements for workers. A decreasing number of establishments offered sitdown service, but other establishments--led by franchise firms--increasingly offered fast food service, cutting into jobs available to waiters and waitresses.

The demand for traditional waiters and waitresses may weaken in subsequent years with a decrease in the number of establishments that provide this service at tables, booths, and counters. Conversely, as franchising increases, demand for workers at fast food outlets should strengthen. Some fast food firms are beginning to look at senior citizens to fill their employment needs.

The relative rate of change in ownership among foodservice operators reflects industry stability and maturity. Respondents were asked the number of years that the operation had been under the same ownership at the same location. Whether the previous owner was in the same business at a different location or the present proprietor was a new-owner entrant into food service was not determined; the date the establishment was built also was not determined.

About 7 of 10 establishments have been operated by the same proprietor for 5 years or more, up from about 5 of 10 in 1966 (app. table 4). Less than 3 of 100 have been in operation for less than 1 year in 1979 compared with about 18 of 100 in 1966.

Proportionately more foodservice operations in institutions were operated by the same proprietor for 5 years or more compared with public eating places. Many private hospitals had functioned less than 1 year because of numerous changes in operators, including contract feeders, and/or the addition of new private hospitals. Only 1 percent of public hospitals had operated for less than 1 year.

Years in Operation

Weeks Operated

More than 4 of 5 establishments provided year-round food service (app. table 5). Seven of 100 were open much of the year, but shut down 1 to 2 weeks, annually. A much higher proportion of institutions than public eating places, 93 percent versus 82 percent, were open the full 52 weeks.

Seasonally open establishments--those that operate from 1 to 49 weeks annually--accounted for 10 percent of the establishments. Proportionately more hotels, motels, or tourist courts were in this category than any other kind of business. About 19 percent of the lodging places operated less than 40 weeks per year, up from 15 percent in 1966. The number of establishments open less than 40 weeks per year increased from 6 to 7 percent between 1966 and 1979.

Menu Specialty

Varied American plate meals were the menu specialties of 42 percent of the foodservice establishments surveyed (app. table 6). This specialty ranged from a low of 20 percent in separate drinking places to more than 95 percent in hospitals and residential-care facilities. Varied American plate meals are a meat, poultry, or fish entree, a vegetable or grain--usually potato or rice--and a salad or serving of fruit. The menu is frequently rotated. Hamburgers and hotdogs followed in importance, listed as specialties by 14 percent of those surveyed. Establishments specializing in sandwiches; ice cream, donuts, and pastry; and pizza followed in frequency, ranging from 13 to 5 percent. Chicken or turkey specialties were the least frequent responses (fig. 1).

Between 1966 and 1979, separate eating places specializing in varied American plate meals and Italian foods declined 9 and 1 percentage point(s), respectively. The number of establishments increased which served seafood, poultry, or steaks, chops, and roast beef. Direct comparisons cannot be made for establishments serving Mexican foods, pizza, hamburgers or hot dogs, and ice cream, donuts, and pastry because of differences in definitions between the two surveys.

Changes in menu specialty may influence commodity demand. Demand may strengthen for cheese, flour, tomatoes, and meat toppings, for example, if the number of pizza establishments increases. Conversely, demand may weaken for products used frequently by eating places whose specialty is varied American plate meals and rarely by establishments who have other house specialties, if the number offering the American fare decreases.

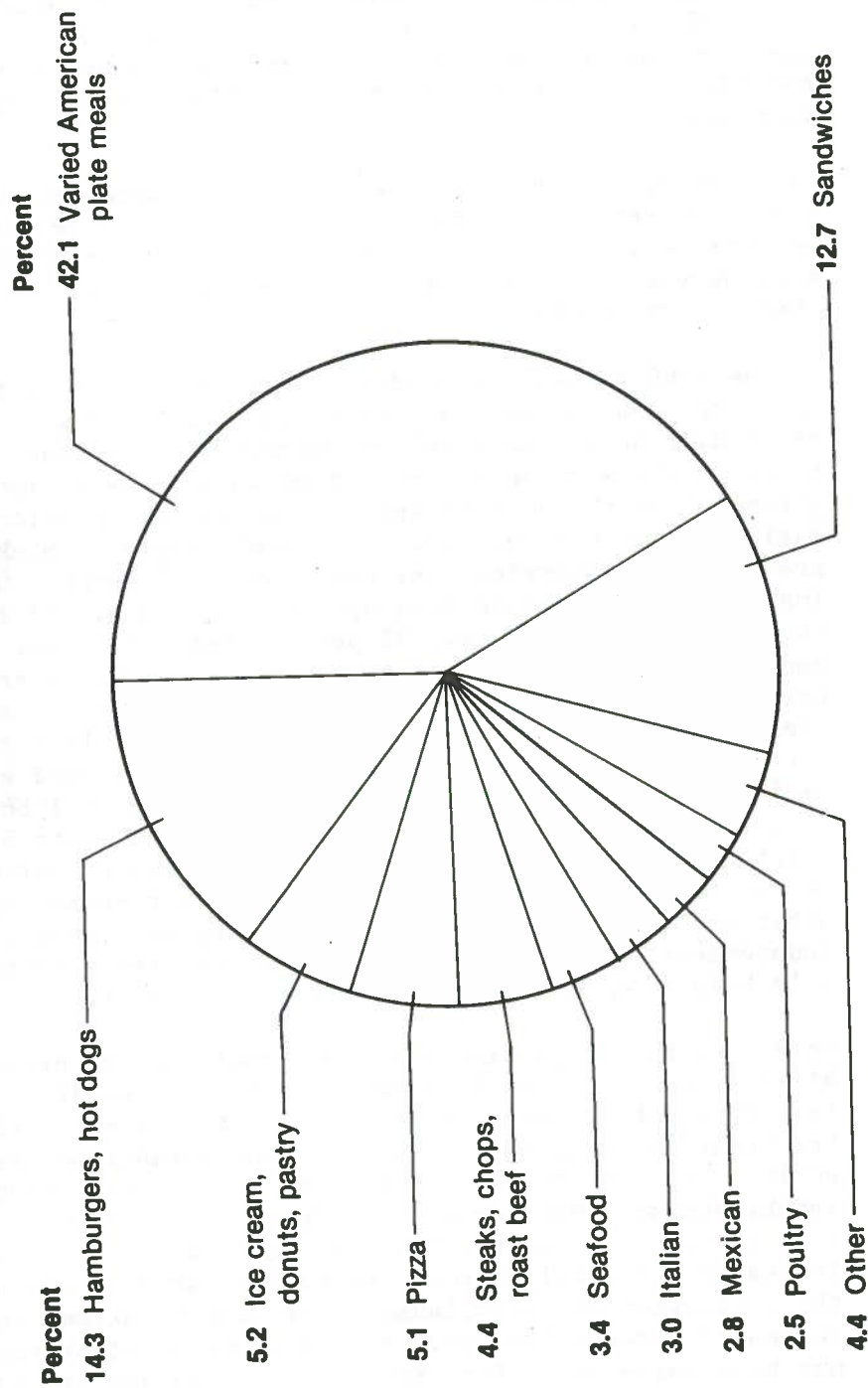
Persons Served

The foodservice industry has more total outlets and workers than any retail business. It also might have more individual consumer transactions. The establishments represented by the survey served 139 million people on a typical day, a 34-percent increase over the 104 million transactions reported in the 1966 survey (app. table 27). Population increased only 13 percent over the same period.

Public eating places, with 88 percent of the establishments surveyed, accounted for 83 percent of the transactions. Institutions

Figure 1

Establishments With Food Service: Distribution by Menu Specialty, United States, 1979



*Figures may not add to 100% because of rounding.

averaged 487 transactions daily, while public eating places averaged 350. Hospitals and colleges had the largest average number of daily transactions, serving 991 and 1,188, respectively.

More public eating places served lunch than breakfast or dinner. The difference in number of establishments serving these meals and lunch was substantial, ranging from a high of 136,000 for breakfast to 29,000 for dinner (app. table 7). About 28,000 served lunch. Institutions, on the other hand, most often served each meal, and the difference in number of institutions serving them was very small.

About 86 percent of public eating places were open for lunch, and 77 percent were open for dinner. But, 35 percent of the persons served were served meals at lunch whereas 30 percent were served meals at dinner. The remainder were served breakfast and/or snacks.

In the 1966 survey, respondents named the hours of the day food was purchased rather than describing the serving occasion as a particular meal. Although allowances must be made for differences in the wording of these questions, some insight may be gleaned from the data regarding changes in operations of public eating places and the nature of establishments which no longer are in the foodservice business. About 72 percent of the eating places served food from opening to 11 a.m.; 93 percent between 11 a.m. and 4 p.m.; 93 percent between 4 p.m. and 9 p.m.; and 58 percent from 9 p.m. to closing. If the first three periods are roughly equated with breakfast, lunch, and dinner, then there was a substantial decrease between 1966 and 1979 in the proportion of public eating places that served all these meals. Apparently, many more establishments in 1966 that were open throughout the day subsequently changed their operating practices or went out of business. A review of Bureau of the Census figures on the number of single unit eating places and other secondary data indicates that many smaller outlets--independents who operate small diners and restaurants and probably keep long hours--are leaving the business.

More recently, a growing number of chains serve breakfast. Still others are now offering it under test conditions in a select group of outlets. Most of the establishments that added breakfast to their menu were fast food establishments. Apparently, they are occupying the niche held by many independent establishments that served breakfast but which are no longer in food service. Also, the fast food chains appear to have increased the total size of the market for this meal. Although the proportion of establishments serving breakfast actually decreased between 1966 and 1979, the number of persons served may have increased. Data from the 1966 survey are not available to substantiate this, but findings from other secondary sources indicate that breakfast counts are rising.

The increase in total meals and snacks purchased away from home for onpremise or immediate consumption is an extension of a consumer trend to purchase greater convenience. If this trend

continues, further change is expected in food consumption practices, food delivery systems, food expenditures, and the nutritional well-being of the populace due to major differences between grocery stores and eating places in the mix of foods purchased, food supply sources and distribution channels, services provided by wholesalers, and retail margins and components of cost.

Number of Workers

One characteristic of the foodservice industry that reflects its importance to the national economy is the large number of people who work in its establishments.

More than 4.8 million people worked during a normal week in the kinds of foodservice establishments surveyed in 1979 (app. table 28). This estimate did not include owners who may have worked at the establishment or people who might perform duties at locations other than in the foodservice outlet.

The average establishment had about 13 workers, an increase of 5 workers per establishment since 1966. Institutions required more workers per establishment than did public eating places. Private hospitals and colleges used more workers than other kinds of businesses, averaging 40 and 28 per establishment, respectively.

Workers were employed in 86 of 100 establishments (app. table 8). The remaining establishments, about 52,000, were operated solely by proprietors and/or partners. The kinds of businesses that reported employing workers ranged from a low of 76 percent for separate drinking places to a high of 94 percent for private hospitals.

Many workers, 42 percent, worked 20 to 39 hours per week; 38 percent put in 40 or more hours. Whereas 32 percent of the workers in higher educational establishments and civic, social, or fraternal associations worked less than 20 hours per week, only about 7 percent of the workers in public hospitals and hotels, motels, or tourist courts were in this category.

Sales of Food and Nonalcoholic Beverages

The annual retail value of food and nonalcoholic beverages sold by establishments represented in the survey was estimated at \$85.7 billion (app. table 9). From the 1966 survey, sales were estimated at \$21.9 billion. The difference represented an average compound annual increase in real sales of 3.6 percent, or 11 percent in current dollar sales, all things being equal. Public eating places accounted for \$73.6 billion, or 86 percent of total sales, almost unchanged from the 85 percent estimated from the 1966 survey. As in the 1966 survey, a retail value was imputed for food and nonalcoholic beverages for nonprofit establishments so that these operations might be compared with those that are in business for profit. A value also was imputed for nonreporting establishments and for establishments whose food costs about equaled sales.

Kind of Business

Separate eating places alone accounted for \$58.4 billion in sales, 13 times more than hospitals, the next most important

single segment. On an establishment basis, however, separate eating places averaged only \$252,715, and hospitals averaged \$604,101 per establishment.

Food service at recreation or amusement places increased markedly from sales of \$815 million in the 1966 survey to \$4 billion in the 1979 survey. In 1966, recreation or amusement places accounted for 3.7 percent of sales by all establishments surveyed. By 1979, this had increased to 4.7 percent.

Average sales at separate eating places increased more than average sales at all establishments between 1966 and 1979. While separate eating places accounted for 61 percent of the establishments and 68 percent of total sales in the current survey, they had 54 percent of the establishments and 58 percent of sales in 1966.

Primary Type of Food Service

A marked change has occurred since 1966 in the relative importance of establishments that provide different types of food service, irrespective of their primary type. While the number of establishments that provided sitdown service at counters declined substantially, cafeteria and fast food services increased.

Establishments primarily offering table and booth service retained their leadership position with \$40.7 billion, or 47 percent of total sales (app. table 10). Fast feeders and cafeteria service followed with 29 and 11 percent, respectively.

There was substantial variation in average sales per outlet when establishments were classified by primary type of food service offered. Those that offered cafeteria or room service had average sales in excess of \$315,000 whereas those that provided drive-up window, carryout, or delivery service and those that offered sitdown service at counters had average sales of less than \$200,000 per establishment.

Table and booth service accounted for 51 percent of separate eating place sales and 52 percent of establishments. In 1966, however, this service had 61 percent of sales and 50 percent of establishments. Thus, it accounted for roughly the same proportion of establishments, although its share of sales declined 10 percentage points. The number of places primarily offering sitdown service at tables and booths increased between 1966 and 1979, but at a slower rate than the number of outlets that offered other types of food service. During the same period, average sales of table and booth service places increased far less than average sales of other types of food service, resulting in a decrease in market share.

Establishment Size

The importance of larger foodservice establishments as outlets for food and nonalcoholic beverages was apparent when establishments were classified by size of business. For example, about 10 percent of all eating places accounted for 46 percent of food sales, 18 percent for 62 percent of sales, and 33 percent for 79 percent of sales. Establishments with revenues of \$600,000 to \$1,249,999, annually, registered combined sales of \$23.6 billion,

or 28 percent of total sales. Establishments in this size of business category had greater total sales than any other group of establishments.

In the 1966 survey, about 14 percent of the establishments had 59 percent of sales, and 30 percent accounted for 77 percent of sales, roughly about the same as in 1979. However, there was a 55-percent increase during the 13-year period in average sales per establishment, after adjusting for inflation. That is, real sales grew an average of about 4 percent annually since the 1966 survey.

Firm Size

Many foodservice chains, firms with at least 11 outlets, have become very large during the past two decades. Bureau of the Census figures on size of eating place firms (SIC 5812) show that chains had 12.8 percent of establishments and 27.6 percent of sales in 1977, up from 3.8 percent of establishments and 11 percent of sales in 1963.

In the 1979 Foodservice Industry Survey, chains accounted for 12 percent of establishments and 27 percent of sales (app. table 11). Growth by chains has come primarily from a real increase in food consumption away from home and a decline in operations of single unit firms. In 1966, single unit firms accounted for an estimated 90 percent of the establishments surveyed. In 1979, they had 71 percent of the establishments and 52 percent of the sales. Sales data for 1966 are not available for single unit firms.

There appears to be a relationship between firm size and average sales per outlet, although other factors affect establishment sales, such as menu specialty, type of food service, and kind and size of business. Annual sales for single establishment firms (independents) averaged \$163,855. Chains had sales of \$500,422 per outlet, and firms with 250 or more outlets averaged \$519,915.

Franchise Association

Foodservice franchise operations closely parallel those of large corporate chains with trademarks, uniform identification symbols, storefronts, and standardized products and prices. Franchising enables the parent firm to expand its operation with only a limited capital investment. Growth for some franchise firms has been so rapid that some firms now in the largest 100 were not in business or large enough in 1965 to be included as one of the 400 largest foodservice firms in the country.

Establishments associated with a franchise firm accounted for 33 percent of total sales of meals and snacks, with sales between franchisees and franchisors about evenly split (app. table 12).

Marked differences were apparent in the types of food service in which sales of franchise and nonfranchise operations were concentrated. Franchise operations registered proportionately greater sales at fast food places, and nonfranchise operations realized proportionately greater sales at establishments that provided sitdown service at tables or booths. Nonfranchise establishments

also were dominant in cafeteria operations which accounted for about 14 percent of their total sales.

Average annual sales of franchise operations were at least twice as great as sales of nonfranchise establishments for all primary types of food service except cafeteria and room service where sales were roughly equivalent. Sales of franchise establishments averaged \$392,282 for all types of food service, and the non-franchise group averaged \$188,317.

Differences also existed within the franchise group of establishments. The proportion of sales by franchisee/franchisor establishments were about the same for those that provided waiter or waitress service, counter purchase (eat elsewhere in establishment), or room service. But the proportion of sales of franchisees that operated drive-up windows, carryout, or delivery service reached 24 percent versus 11 percent for franchisors. Conversely, sales of franchisors that operated cafeterias amounted to 9 percent versus 2 percent for franchisees.

In total, sales of franchisor outlets averaged slightly higher than those of franchisee outlets. But sales of franchisees were greater in two of the four types of food service and the spread in average sales was substantial. Franchisees outperformed franchisor-operated outlets which offered room service or drive-up windows, carryout, or delivery service. The opposite was true for counter service and cafeteria operations. Although the total number of establishments that primarily provided room service numbered about 12,000, the small number of franchise establishments specializing in this service likely make comparisons insignificant.

Years in Operation

Establishments in business for 5 or more years under the same ownership and at the same location accounted for 76 percent of total sales (app. table 13). Foodservice operations in institutions were more stable in this regard than public eating places. Eighty-three percent of their sales were at establishments that operated at the same location for 5 or more years versus 75 percent for public eating places. By contrast, the proportion of sales at institutions and public eating places was the same, at about 2 percent for operations in business for less than a year.

When classified by kind of business, average sales tended to increase comparably with longevity at the same location. Foodservice departments in retail stores were an exception to this finding. Average sales actually decreased as the longevity of the operation increased. Although not confirmed by findings from this study, it is possible that retail stores have given added emphasis to food service in recent years. Foodservice facilities were being enlarged as new stores were constructed or older stores remodeled. Lodging places, public hospitals, and residential care facilities showed higher than average sales in operations that were in business for less than a year.

Menu Specialty

Varied American plate meals accounted for about half of total sales of all meals and snacks (app. table 14). Establishments specializing in hamburgers and hot dogs accounted for an additional 16 percent. Seafood establishments and those featuring sandwiches or steaks, chops, and roast beef ranked third, fourth, and fifth, respectively.

Seafood establishments averaged more sales by far than establishments featuring other menu specialties followed by foodservice operations specializing in steaks, chops, and roast beef or varied American plate meals.

Although there were nearly three times as many outlets featuring sandwiches and pizza, or ice cream, donuts, and pastry compared with those featuring seafood or steaks, chops, and roast beef, total sales of the latter group were only 11 percent less, probably reflecting the effects of differing menu prices and patronage. Average sales reflected these factors to some extent. For example, establishments specializing in sandwiches ranked third when classified by number of establishments and eleventh when classified by average annual sales. Operations featuring poultry ranked eleventh when classified by number of establishments and fifth when classified by average annual sales.

Quantity of Foods
Received

Many kinds of food are represented in the billions of pounds of food and nonalcoholic beverages sold by establishments represented by the 1979 Foodservice Industry Survey. Each product was assigned to one of 20 major groups. Together, they reflect the total mix of foods that move through the foodservice delivery system. They are: dairy products and ices; fats and oils; flour and cereal products; bakery products; beef and veal; pork; other red meats; variety meats; meat products; poultry and eggs; fish and shellfish; sugar and sweets; vegetables; fruits; juices, ades, and drinks; beverages; soups, gravies, and sauces; prepared foods; nuts and snacks; and condiments and seasonings.

In 1979, the quantity of foods received by the establishments surveyed amounted to 49 billion pounds, up from 37 billion pounds in 1969 (app. table 15).

The compounded annual increase of about 2.8 percent between 1969 and 1979 may be a conservative indication of real growth, because of the tendency on the part of foodservice firms to purchase less foods in bulk and more foods in serving units. The compounded annual increase in real dollar sales amounted to 3.6 percent for the same time period.

Major Food Groups

During the 10-year period 1969-79, factors other than growth and structural change affected foodservice operations and their food offerings. This period saw a stronger demand by eating place patrons for lighter foods, so fruit and salad bars became commonplace; prepared foods probably were substituted to some extent for veteran chefs or otherwise used by eating places to expand or make attractive alternate meal and snack offerings. Use of products associated with breakfast increased as more eating places made this service available.

In 1969, dairy products and ices, and vegetables represented the two principal major food groups, each accounting for about 18 percent of all foods received (fig. 2). In 1979, these groups retained their rankings as the two principal food groups, but the percentage of total foods accounted for by dairy products and ices decreased to 16.4 percent, and vegetables increased to 18.5 percent, due to a change in the total mix of all foods received (fig. 3). For example, when the market for dairy products and ices increased by 16 percent between 1969 and 1979, the market for all foods increased by 32 percent. On the other hand, use of vegetables grew at a slightly higher rate than the average of all foods, probably reflecting the increased availability of salad bars and patron preference for lighter foods.

Bakery products and beef and veal did not change their relative standings between 1969 and 1979, but the percentage accounted for by beef and veal decreased from 9 to 7 percent, and bakery products increased from 10 to 13 percent. The decline in beef and veal away from home paralleled the national decline in per capita consumption of these products between 1969 and 1979, from 84.7 to 79.8 pounds per capita.

Sugars and sweets, in sixth place in 1969, ranked fifth in 1979, although the percentage of all foods decreased marginally from 6.7 percent in 1969 to 6.2 percent in 1979. Use of fruits remained in tenth position, and the percentage of foods accounted for by fruits also remained about the same.

Flour and cereal products and prepared foods advanced between 1969 and 1979 as did the percentage of all foods accounted for by these groups. In 1969, the poundage of prepared foods reported was less than that of any major food group. But by 1979, prepared foods advanced to fifteenth position and slightly increased the proportion of all foods for which it accounted, from 0.9 to 1.1 percent.

Individual Foods

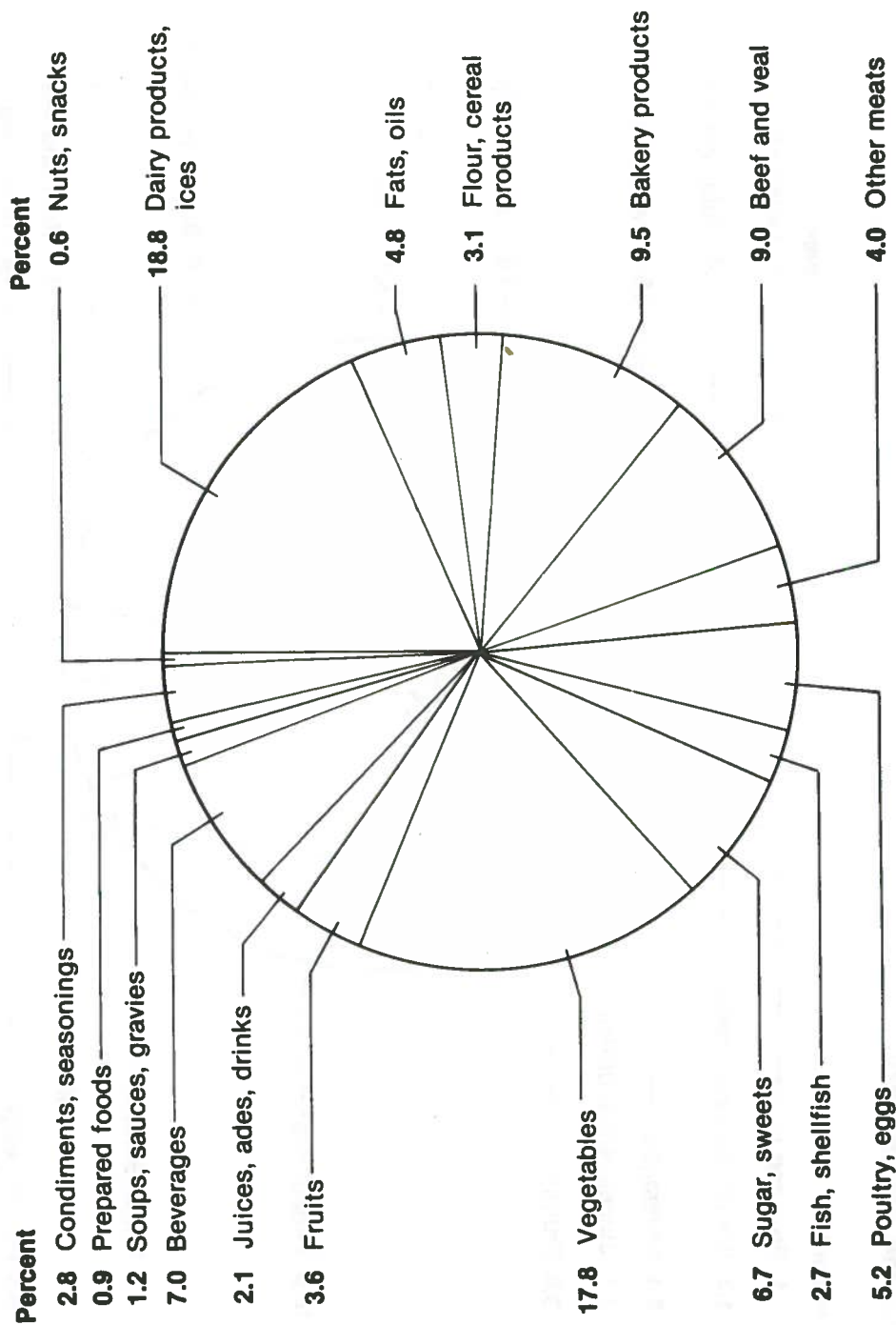
Another indication of growth in food service was the number of individual products that tallied more than 500 million pounds each received by establishments. In 1969, 13 products were in this category; by 1979, the number increased to 24.

Although the list of foods numbered into the hundreds, a surprisingly few products accounted for half of the total quantity of foods received by the establishments surveyed. Of the following 16 products that made up this group, down from 21 in the 1969 survey, 10 were especially noteworthy, accounting for 1.3 billion pounds or more each. The values are provided on p. 21.

White fluid milk--the leading product by far in 1969--maintained its dominance in 1979 with 4.6 billion pounds, almost twice as much as potatoes, the second leading product. Milk accounted for 9 percent, and potatoes for 5 percent, of all products received.

Figure 2

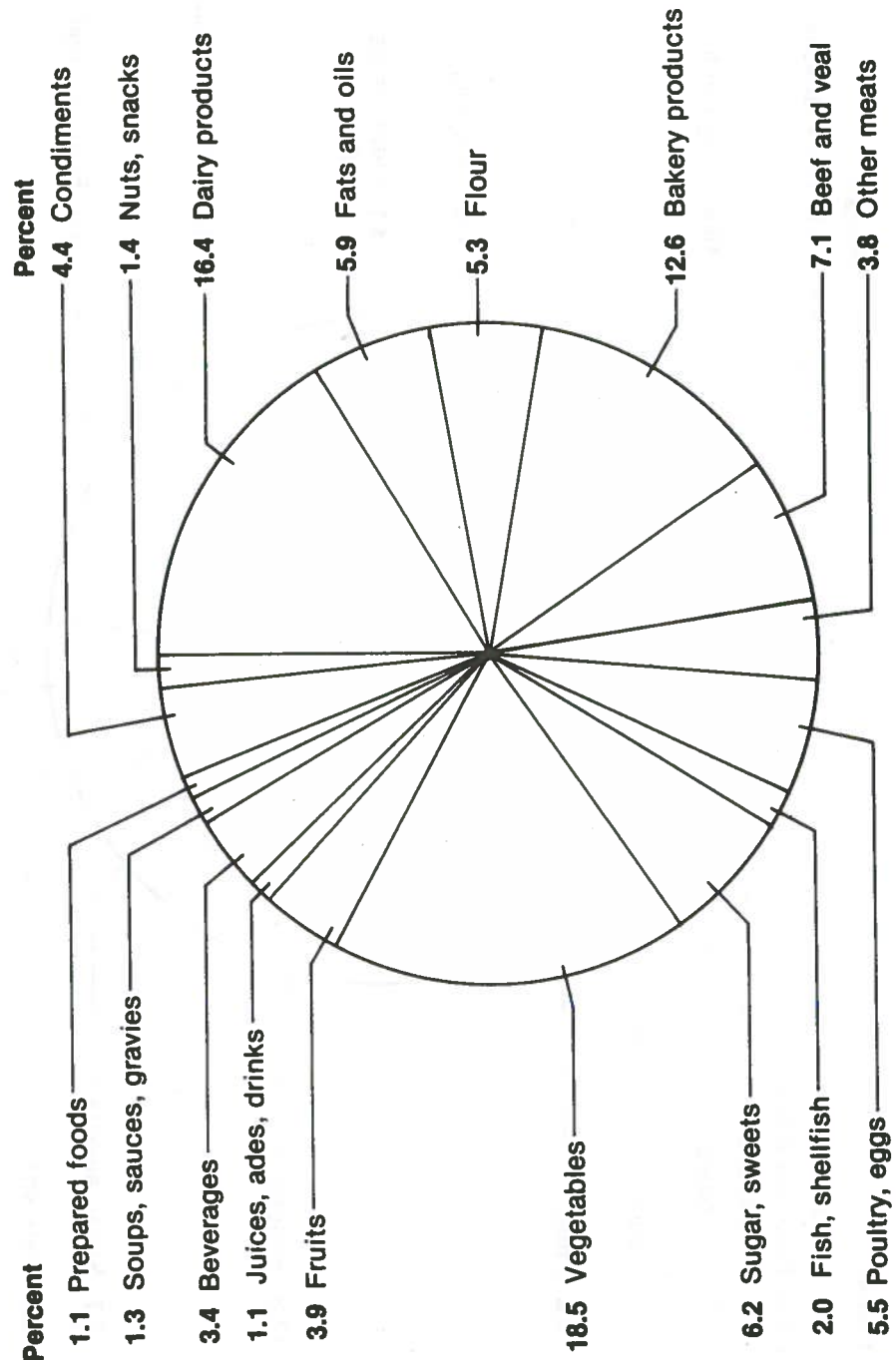
Establishments With Food Service, Distribution of Estimated Quantity by Food Group, United States, 1969



*Figures may not add to 100% because of rounding.

Figure 3

Establishments With Food Service, Distribution of Estimated Quantity by Food Group, United States, 1979



*Figures may not add to 100% because of rounding.

<u>Food product</u>	<u>Mil. pounds</u>	<u>Percent</u>
White fluid milk, incl. low fat	4,560	9.3
Potatoes, excl. sweetpotatoes	2,363	4.8
Flour, excl. mixes	1,924	3.9
Beverage fountain syrups	1,870	3.8
Bread, excl. cornbread	1,822	3.7
Ground beef and veal	1,605	3.3
Cheese, incl. imitation and cottage	1,546	3.1
Shortening, excl. oil	1,543	3.1
Buns, excl. rolls	1,491	3.0
Eggs, incl. egg substitute	1,330	2.7
Steak, beef and veal	903	1.8
Lettuce, incl. leaf and head	857	1.7
Cream, incl. substitutes	829	1.7
Tomatoes, incl. paste and stewed	697	1.4
Crackers, unsweetened	612	1.2
Roasts, beef and veal	608	1.2

Three additional foods--flour, beverage fountain syrups, and bread--with about 1.9 billion pounds each, accounted for 4 percent of the total pounds received. Flour and bread, in third and fifth positions, increased in level of importance from the fifteenth and tenth positions in 1969.

Ground beef and veal, cheese, shortening, buns, and eggs each made up 3 percent of receipts. Whereas ground beef and veal and buns slipped slightly in overall importance since 1969, cheese and shortening rose from fourteenth and seventeenth, respectively, to seventh and eighth in 1979. Eggs dropped from ninth in 1969 to tenth in 1979, although this product had a 76-percent increase in pounds received. During the same period, total consumption of eggs, both at home and away from home, declined from 39.4 to 35.3 pounds per capita.

The remaining foods in the group of 16 each accounted for 1 to 2 percent of the quantity of all foods received. They are in order of importance: steak, lettuce, cream, tomatoes, unsweetened crackers, and beef and veal roasts.

Kinds of Business

Real growth in the market for food away from home is seen in the increase of foods received by public eating places between 1969 and 1979. As noted previously, public establishments existed primarily to sell a product or service for profit. Food service in institutions is viewed as rendering a service, although a profit is sometimes possible. The data have not been adjusted for differences in methodology between the two surveys, but the physical amount of product received by public eating places increased by nearly a quarter (app. table 16). Institutions performed even better, showing about 25 percent of the quantity of all foods reported in the 1979 survey, and receiving almost 75 percent more product in 1979 than was received in 1969.

Differences in methodology between the 1969 and 1979 surveys may have slightly increased estimates for public eating places compared with those for institutions. For example, in the institutional sector, the 1979 sample included Federal hospitals but excluded fraternity and sorority residential houses. Public eating places, on the other hand, lost representation of food service in foodstores and certain types of theaters. But sporting or recreational camps, included with institutions in 1969, were classified in the public sector in 1979.

Separate eating places were the most important segment of the foodservice industry containing more outlets, serving more meals and snacks, and accounting for more sales than the other businesses. Separate eating places accounted for 59 percent of the total quantity of food received by all establishments, up 35 percent from 1969 (app. table 17).

Hospitals, with 7 percent of total foods in 1979 and 6 percent in 1969, increased the quantity of product received in 1979 by about one-half. Conversely, colleges and universities reported 31 percent less product in 1979 than in 1969. Since the number of full-time students increased 25 percent between 1969 and 1979, the quantity of product received by colleges and universities would be expected to have increased, all things being equal. Possible explanations would include changes in eating habits: proportionately more students eat off-campus; many people, especially college-age persons, eat nutritional, lighter meals and snacks, which may have had a negative impact on gross food tonnage; proportionately more students live at home and eat there; differences in methodology and data collection procedures; and survey error.

Establishment Size The proportion of the total quantity of food receipts in 1979 ranged from 9 percent for establishments with sales of at least \$1.25 million yearly to 20 percent for those grossing \$40,000 to \$100,000. Establishments in other sales intervals did not vary significantly, each accounting for about 14 percent of foods received.

The total market for food as represented by a given sales interval is a factor of the number of outlets that comprise the interval and the sales size of establishments therein. For example, 31 percent of all establishments grossed \$200,000 or more in food sales, annually, and accounted for about half the quantity of foods received, whereas approximately half of all establishments grossed under \$100,000 and accounted for 35 percent of food receipts. Nevertheless, small establishments, those with \$40,000 in food sales, can be an important market for certain foods. This group accounted for only 15 percent of all foods, yet sold 48 percent of the nuts and snacks received. A substantial number of establishments in this classification were separate drinking places, which are good outlets for some snack products.

Establishments grossing \$200,000-\$350,000 sold 12 percent of all foods and 24 percent of juices, ades, and drinks; those with

sales of at least \$1.25 million, annually, accounted for nearly 20 percent of noncitrus fruits but sold only 8 percent of all foods. A proportionately higher number of establishments classified as hospitals, nursing homes, colleges, and hotels and motels likely are important outlets for these products.

In aggregate, there was a general relationship between establishment size, as measured by sales, and average quantity of food per establishment. All establishments averaged 35,000 pounds, ranging from 25,000 pounds for establishments with sales of less than \$40,000 to 70,000 pounds for establishments with sales of at least \$1.25 million annually. The relationship appeared to be closer for separate eating places than for all establishments. However, considerable variation existed among products by size of business, because of the diversity of foods received, differing menu specialties, and types of food service offered by establishments.

Equipment and Nonfood Supplies

Demand for foodservice equipment and nonfood supplies is a function of many factors, including wage rates and availability of foodservice personnel, the types of foods and services offered by eating places, and the cost of equipment.

Equipment

Energy conservation efforts of foodservice management and the relative energy efficiency of equipment are factors, in addition to the above, which may affect demand. Changes in one or more of these factors or in the total number of eating places could substantially affect the potential market for a given type of equipment. Conversely, the number of pieces and types of equipment available in foodservice establishments could affect the quantity of food purchased and stored, the forms in which it is purchased, and the extent to which it is processed.

Information was obtained on more than 150 items of foodservice equipment used for food and beverage receiving, storage, preparation, cooking and serving, and for sanitation and maintenance tasks.

The number of iced tea dispensers and beverage dispensers increased 21 percent and 32 percent, respectively, between 1966 and 1979, and cream dispensers and milk dispensers decreased 65 percent and 30 percent, respectively (app. table 18). Silverware washers also decreased substantially from about 24,000 in 1966 to 8,000 in 1979. Changes in equipment use often reflect new products and changes in operational methods, eating patterns, and structural characteristics of the industry.

Reach-in refrigerators increased in number from 735,000 to 1,050,000 and walk-in refrigerators, from 177,000 to 263,000. Since the number of establishments increased only about 2 percent between 1966 and 1979, growth in refrigeration capacity would indicate a marked change in the forms in which foods are received and stored.

The market for convection ovens grew from 37,000 to 119,000, an increase of 222 percent. The markets for both gas and electric

convection ovens increased 186 percent and 350 percent, respectively.

Deck-type roasting and baking ovens decreased about 19 percent between 1966 and 1979. The gas unit decreased more than the electric unit, but still had about 80 percent of the total market.

Kind of Business

Public eating establishments generally had a substantial share of the market for most equipment simply because of the large number of establishments and the diversity of foods and services offered. In many instances, however, their market share was less than might be indicated by the number of such establishments.

Public eating places, which make up 87 percent of the establishments surveyed, accounted for 82 percent of the market for all equipment. This varied from a low of 76 percent for sanitation and maintenance equipment to a high of 86 percent for holding and serving equipment.

Public eating places represented about 86 percent of the markets for refrigerators and freezers, almost equal to the proportion that the number of such establishments would indicate. Public eating places dominated purchases of fryers and broilers, accounting for 94 and 91 percent of these categories, respectively.

Institutions, accounting for 13 percent of the establishments surveyed, had 25 percent or more of the markets for hand trucks and dollies, food mixers and beaters, conveyor-type toasters, and rack-type gas ovens.

Considerable variation existed in market shares represented by public and institutional eating places within certain groups of equipment. Surveyed establishments bought 1.3 million refrigerators, an average of 3 to 4 per establishment. Institutions accounted for a proportionately larger share of the markets for walk-in, reach-in (full size), and mobile cart refrigerators. But public eating places bought 95 percent of the counter and undercounter refrigerators.

Hotels, motels, and tourist courts, while only 4 percent of the total number of establishments, had 16 percent of the light/medium duty electric ranges and waffle irons and 34 percent of the rack-type electric ovens; separate drinking places, 8 percent of the establishments, had 13 percent of the light/medium duty gas ranges, 16 percent of the electric pizza ovens, and 18 percent of the electric infrared ovens; and recreational or amusement places, with 6 percent of the establishments, accounted for 12 percent of the gas infrared ovens, 17 percent of the electric pizza ovens, and 21 percent of the low-temperature gas ovens.

Hospitals served an average of three times as many persons each day as public eating places. The size and nature of the operations of hospitals often are reflected in the types and amounts of equipment reported. Hospitals, with only 2 percent of the establishments, had over 30 percent of the markets for an

estimated 33,800 portable dish dispensers, 9,500 mobile cafeteria lines, and 6,700 conveyors.

Public eating places represented the major market for most types of equipment, although institutions frequently accounted for a greater share of the markets for many items of equipment than otherwise would have been indicated by the number of such establishments.

Nonfood Supplies

Information obtained on nonfood supplies in 1979 is considerably expanded over that in the 1966 survey. In 1979, information was obtained on about 110 items including permanent and disposable dinnerware and tableware, food wraps, containers of different types, carryout supplies, and selected paper products.

Comparisons between the 1979 and 1966 data are difficult because categories were defined differently in many instances. For example, in the 1966 survey, dinnerware was categorized as china, glass, nondisposable plastic, or disposable plastic. In the 1979 survey, dinnerware consisted of 12 specific pieces based on its physical properties.

Data showed an increase in the percent of establishments reporting disposable supplies and a decrease in those reporting permanent products. Disposable tableware, used in 1966 by only 26 percent of the establishments, was used in 46 to 53 percent of the establishments in 1979 (app. table 19). Disposable beverage containers, used in 1966 by 47 to 62 percent of the establishments, was used by at least 78 percent of the establishments.

Use of glasses dropped 10 percentage points in 1979 from 1966. Use of silver-plated tableware also was indicative of change in industry structure since 1966, although increases in silver prices may have contributed to the decline. Eleven percent of the establishments surveyed in 1966 used silverware; 3 percent used silverware in 1979.

Kind of Business

Use patterns between the public and institutional market segments differed markedly but generally reflected the characteristics of their respective operations. Proportionately more institutions reported using permanent dinnerware and tableware, and proportionately more public eating places reported using carryout supplies, such as lids, cartons, and cylindrical food containers and other disposable foodservice supplies.

An average of 64 percent of the institutions used permanent dinnerware and 91 percent used metal tableware (not silver). Public eating places used 45 percent and 62 percent, respectively, of these products. Conversely, about 35 percent of the institutions and 47 percent of the public eating places use loose, disposable tableware.

At times, use patterns for disposable supplies were about the same between public and institutional eating places. Paper napkins were used by about the same proportion of public and

institutional eating places, although sharp differences existed when napkins were classified as single-ply and multi-ply napkins and as cocktail, luncheon, and dinner napkins. About the same proportion of public and institutional eating places also used 6- to 14-ounce drink cups. Use of disposable plates and bagged settings of disposable tableware--primarily by hospitals--gave institutions an edge over public eating places in the proportion of establishments reporting these products.

Vending Machines

Food vending in this survey was restricted to vended food locations that had facilities in the immediate area for eating food and in which a person with food records was available. Respondents in establishments meeting these criteria reported information on numbers of machines and the percent of annual sales for each of nine product categories: soups and hot canned items; milk and chocolate drink; soft drinks; sandwiches; ice cream; fruits; candy and packaged confections; crackers, cookies, or cakes; and coffee, tea, or cocoa. A tenth category classified products not fitting any of the above descriptions.

About 9.1 percent of the 378,000 establishments represented by the survey had food-vending machines, up from 6.8 percent in 1966 (app. table 20). Although public eating places had substantially more machines than institutions, proportionately more institutions reported them available.

Within the public sector, one in every five lodging places and one in four recreation or amusement places had food-vending machines. A high proportion, about 35 percent, of the outlets classified as other public also had machines. This group included food service at such places as office buildings, factories, and airports.

Private hospitals in the institutional sector comprised the single kind of business most likely to engage in food vending. Nearly half the establishments of this type had vending machines. Colleges and universities also had a high incidence of use with slightly more than 30 percent reporting this service.

Machines vending soft drinks or candy and confections are available in 85 and 51 percent, respectively, of the establishments that provided food vending, about the same proportions that existed in 1966. However, soft drink machines accounted for 42 percent of total machines, up from 28 percent in 1966, and candy and confection machines, at 22 percent, were up only slightly since 1966.

Machines vending crackers, cookies, or cake, the third most prominent category, did not change after 1966, being available in 28 percent of the establishments that had food vending, and accounting for 11 percent of the machines.

Machines vending milk and chocolate drink averaged \$2,445, annually, the highest for any of the nine categories. Other categories that averaged more than \$2,000 per machine included those that vended sandwiches, soft drinks, and hot canned items.

Average sales for remaining categories ranged from \$1,947 for fruits to \$1,731 for crackers, cookies, or cakes. The average of all categories was \$2,002. For each category, average sales of vended foods per establishment exceeded average sales per establishment of each category. This indicates that some establishments had two or more machines dispensing the same product category.

Use of Energy Sources

Nearly all establishments used electricity as their primary energy source for lighting, refrigeration, and air-conditioning (app. table 21). Gas was used in three out of four establishments, primarily for cooking and heating. The third prominent energy source, fuel oil, was used for heating. Propane was used primarily for cooking.

The percent of establishments using the various sources of energy generally equaled the distribution of establishments when they were classified by primary type of food service, except for those which offered table and booth service. While this group accounted for 49 percent of all eating places, 37 percent of the establishments using gas as their primary energy source and 62 percent of those using propane belonged to this group.

Electricity used for cooking was a backup or secondary energy source in an additional 17 percent of establishments. Gas used for cooking was the backup source for 6 percent of the establishments. In total, an estimated 48 percent of establishments used electricity for cooking either as a primary or secondary source. Gas was used for cooking by an estimated 68 percent of establishments.

Cost Components

Components of cost varied among eating places of different kinds, types, and sizes. Two costs that are basic and especially important to all operations because of their magnitude are food and labor costs. Another component that is becoming more important to foodservice operators is the cost of energy. Cost data in 1979 were not based on official accounting records but rather were estimated by respondents during personal interviews. Values were imputed for nonrespondents based on averages reported by similar kinds of establishments. Further, adjustments for reported values were made when such values were substantially more or less than the specified limits imposed on the data.

Food

The cost of food was the most important component in food service. As a percentage of sales, the cost of food exceeded the next component by about 16 percentage points.

Respondents reported a 1979 annual cost of \$33 billion for food and nonalcoholic beverages, up about 53 percent since the 1966 survey, after adjusting for inflation.

Institutions purchased more food than public eating places on an establishment basis. Average food costs at institutions, at \$88,159, exceeded the overall average for all establishments by 11 percent. The food bill in hospitals and universities was significantly higher than the average, reflecting their mass feeding

operations. The bill in smaller institutions, such as residential-care and nursing and personal-care facilities, was lower than the average. Separate drinking places, with costs at \$24,846 per outlet, showed lower average costs than any other kind of business.

The food costs-to-sales ratio of 38.9 percent was much less than the 44.6 percent found in the 1966 survey, probably due to a change in the structure and organization of the industry (app. table 22). That change reflected fewer single unit firms, which tended to be smaller and may have had higher food costs, and more chain outlets and franchise outlets which offered more specialized menus and are thought to exercise greater control over food costs.

Variation in food ratios was less when establishments were classified by primary type of food service than when they were classified by kind of business. The ratios ranged from a low of 36 percent for drinking places to 43 percent for colleges and universities when classified by kind of business. When classified by primary type of food service, the ratio range was only 2 percentage points. Some educational facilities may subsidize their foodservice operations to provide meals and snacks at lower costs. If widespread, this practice may effect a higher ratio for components of cost than experienced by other kinds of businesses.

Many factors affect the food cost-to-sales ratio of an establishment. And no one ratio may be applicable to all establishments. When using ratios as a basis for comparison, an operator should select the ratio that most nearly depicts the operation. The operator also should consider potential impacts of other factors on the business which could trigger differences between the ratio and that to which it is being compared. Such factors would include, but not be limited to, establishment location, dining ambiance, menu specialty, purchasing practices, supply sources, availability of entertainment, food preparation and processing, and firm policy.

Payroll

Payroll costs, defined as "labor payroll before deductions," averaged 23 cents per dollar of sales for all establishments surveyed (app. table 23). Costs at institutions averaged 2 cents higher, and costs at public eating places were slightly less. Colleges and universities carrying payroll costs of 31 cents for each dollar of sales had the highest costs among institutions. Lodging places showing payroll costs of slightly less than 29 cents and retail stores with costs of 26 cents were the highest among public eating places. Separate drinking and eating places carrying payroll costs of 22 cents per dollar of sales were the lowest.

Variations in payroll costs were greater when establishments were classified by kind of business than when classified by size of business. Apparently, the establishment's size of business had little effect on average payroll-to-sales ratios. In a few

instances, however, some general trends were observed for certain kinds of businesses, but, for the most part, results were variable and mixed.

Energy

Demand for energy associated with away-from-home eating nearly doubled over the past two decades, if energy use paralleled increases in real sales of eating places (SIC 5812). Food service offers unusual opportunities for energy savings and conservation because of the magnitude and growth of this energy intensive industry.

Annual costs for energy in all forms totaled about \$4 billion, which amounted to 4.7 cents per dollar of food and nonalcoholic beverage sales (app. table 24). However, some respondents may have reported energy costs for the entire establishment rather than the actual amount used by the foodservice operation, as requested. Thus, this estimate may have had an upward bias due to the apparent inaccuracies of some respondents at smaller foodservice establishments, such as those doing less than \$40,000, annually. The same bias applies to those who operated facilities in certain kinds of businesses, such as nursing homes, who may not have separated the energy cost for the foodservice operation from that of the total establishment.

Dinnerware

This information is useful in identifying differences among foodservice operations and as a basis for general comparisons. Total dinnerware costs, including both disposable and permanent items, were estimated at nearly \$4 billion. Variations in dinnerware costs when expressed as a ratio to food and nonalcoholic beverage sales were within 1 percentage point of the overall average of 4.6 percent for all kinds of businesses, except public hospitals, which were higher at 7.2 percent (app. table 25). Variations were even less among establishments when they were classified by size of business. Maximum variation from the overall average was 0.7 percentage point on the high side and only 0.2 on the low side.

Public hospitals, with higher than average costs when analyzed by kind of business, also had higher than average costs when analyzed by size of business. Cost-to-sales ratios for dinnerware were higher for public hospitals than the averages for six of seven size classes. And then, the ratio for the seventh size class equaled the average for that class.

Cleaning Products

These costs amounted to nearly 1 percent of food and nonalcoholic beverage sales, representing a substantial market to manufacturers of such products.

Automatic dishwashing detergents accounted for 33 percent of the annual cost of \$737 million spent on cleaners by all establishments surveyed (app. table 26). The value of automatic dishwashing detergents was about three times that of chemical sanitizers, manual dishwashing detergents, dishwashing rinse additives, and automatic laundry detergents, which each accounted for about 1 of every 10 dollars spent for housekeeping and equipment cleaners. Other cleaning products, such as manual laundry

detergents and cleaning additives, together accounted for 23 percent of the total cost for cleaners.

The cost of cleaning products, as a percentage of sales, averaged more for institutions than for public eating places, although the cost for lodging places at 1.7 percent was the same as for nursing and personal-care facilities, the highest in the institutional sector. For most establishments, however, costs for cleaning products averaged less than 1 percent of sales.

APPENDIX I-- Methodology

The survey plan was to obtain information on food and non-alcoholic beverages, industry structure and organization, and economic and physical characteristics of establishments that provided food service.

Sample

The sample design was a stratified, two-stage probability proportional to size sample. Stratification was by the four census regions and, within these, by six zones based upon degrees of urbanization defined as:

Zone 1--Core counties of large metropolitan areas--counties that contained the primary central city of a Standard Metropolitan Statistical Area (SMSA) with a population of at least 1 million;

Zone 2--Fringe counties of large metropolitan areas--counties that did not contain the central city of an SMSA with a population of at least 1 million;

Zone 3--Counties of medium metropolitan areas--counties of an SMSA with a population of 250,000 to 999,999;

Zone 4--Counties of small metropolitan areas--counties of an SMSA with a population of less than 250,000;

Zone 5--Counties of nonmetropolitan urbanized areas--counties that had an aggregate urban population of at least 20,000 and were not part of an SMSA; and

Zone 6--Counties of nonmetropolitan rural and less urbanized areas--counties that had an aggregate urban population of less than 20,000 and were not part of an SMSA.

In the first stage of the design, where the county was the primary sampling unit, each county within a zone was randomly selected with a probability proportional to its 1970 population. Thus, a county with a large population was more likely to be selected than a county with a small population, and some counties with above-average populations were selected more than once. Using a systematic sample, a total of 200 selections of 179 unique counties were made to represent the contiguous United States. Each selection was treated as a cluster of establishments for interviewing purposes.

In the second stage of the design, where the establishment was the primary sampling unit, foodservice establishments within each county were drawn at random from name and address lists obtained primarily from State, county, or municipal officials who issued licenses or permits or who inspected foodservice facilities. If a county was selected more than once, new subsamples were used with each selection.

For each of 200 selections, a primary sample, as well as a secondary and tertiary sample, was drawn. The secondary and tertiary samples were drawn independently to accommodate potential refusals, out-of-business operations, and closures. Where possible, each sample contained a hospital, a college

or university, and 14 additional establishments representing other sampled kinds of businesses that provided food service. Hospitals were randomly selected with probability proportional to the number of inpatients in a county. Institutions of higher learning were randomly selected with probability proportional to student enrollment. The lists of hospitals and institutions of higher learning were from U.S. Department of Health, Education and Welfare records. The 14 additional establishments were selected systematically and with equal probabilities within the primary sampling unit. Thus, a total of 16 establishments plus alternatives when available were chosen for each of 200 clusters.

Field procedures required including all eligible establishments in the primary sample, with one exception, before drawing establishments from the randomly listed secondary and tertiary samples. An eligible establishment provided meals and snacks and had its own kitchen(s) or food preparation area(s) and records of foods received, although its records may have been maintained elsewhere. A food-vending service was considered eligible if facilities were available in the immediate area for eating and if a person with food records was at the establishment. Personal interviews and self-administered Food Item Recording Booklets (see section on Data Collection) were used to collect the information. Normal cutoff procedures for nonresponse were followed. Of the 8,770 establishments contacted, 6,256 establishments were eligible to be interviewed and, of these, 2,272 provided the detailed information required. Thus, about 1 of 3 eligible respondents participated in the survey.

The random selection included 15 outlets of a large foodservice firm in the primary sample, but authorization could not be secured to contact these outlets to obtain scheduled interviews. Because of the size of this firm and its unique operation, alternate establishments were not selected as substitutes. Instead, an establishment profile was constructed and imputed for scheduled interviews as required.

To minimize the potential effect of seasonal factors on annual estimates of food usage, interviews were scheduled over 12 months. Establishments within each cluster were assigned the same reporting period that was randomly assigned to the cluster. Within each stratum, clusters were systematically selected where possible to assure that interviews were conducted in each geographic region and urbanization zone during each interviewing period.

Estimation

In the first stage of the probability design, selected counties accounted for 43 percent of the population. In the second stage, interviewed hospitals accounted for 11 percent of the inpatients located in the selected counties; and universities accounted for 18 percent of student enrollment. All additional kinds of businesses interviewed accounted for 1 percent of such businesses. The sampling rates were different for each cluster, and within clusters, for hospitals, institutions, and other

business. Individual rates, in conjunction with appropriate adjustments, resulted in the following expansion formulas:

$$\text{U.S. totals: } T = \sum_{i=1}^{24} T_i,$$

$$\text{with } T_i = \sum_{j=1}^{n_i} T_{ij}, \text{ and}$$

$$T_{ij} = \sum_{k=1}^m \frac{A_{ij} \cdot B_{ij} \cdot X_{ijk}}{n_i},$$

where:

i = stratum or an urbanization zone within a region.

j = county unit selected within a stratum.

k = establishment in a county.

n_i = number of county units selected in stratum i .

$A_{ij} = \frac{\text{population in stratum } i}{\text{population in county } j}$

$B_{ij} = \left(\frac{\text{INBUS}_j}{\text{TRIED}_j} \cdot \text{TNUM}_j \right) \div m_j.$

INBUS_j = establishments from the sample list in county j that were contacted and found to serve food (includes refusals).

TRIED_j = all establishments from the sample list in county j that were contacted, whether they served food or not (includes refusals and ineligible).

TNUM_j = total number of establishments on the sample list for county j .

m_j = number of eligible establishments with completed questionnaire information in county j .

X_{ijk} = response to particular questions on questionnaire.

Sampling and
Nonsampling
Variation

Number of establishments in $INBUS_j$, $TRIED_j$, $TNUM_j$, and m_j would be replaced by the number of inpatient days when projecting all data for hospitals as well as by the number of students enrolled when projecting all data for colleges and universities other than the number of such establishments.

Survey estimates are based on a probability sample. The sample used is one of a large number of potential similar samples that could have been selected using the same design. Although an estimate based on one sample would be expected to differ from that of any other sample from the same design, the average of estimates from all such samples would be close to the estimate derived from a complete enumeration of the population, other things being equal.

A second cause of differences between survey estimates may result from comparing estimates derived from samples that are based on different size and design characteristics, such as an estimate from the 1966-69 survey and from the current survey.

Other types of errors in a survey estimate can be attributed to the collection and processing of data: (1) inability to obtain information about all cases in the sample; (2) mistakes in following instructions and in recording, editing, or coding the data obtained; (3) errors in response; (4) difficulties in definition and differences in the interpretation of terms and questions; and (5) other errors of collection, response, coverage, and estimation for missing data.

As in most surveys, nonsampling errors may have a greater impact on a given estimate due to the nature of the question being addressed. For example, less nonsampling error would be expected for an estimate based on a simple YES or NO question regarding availability of food-vending machines than would be expected for a more detailed and difficult question regarding the percent of vended food sales accounted for by milk and chocolate drink.

Estimates could be affected by participation bias of establishments of the same type having similar size and menu characteristics. To the extent that large establishments tended to participate more frequently than small establishments, estimates associated with size of operation would be biased upward. Conversely, if pizza outlets tended not to participate as often as establishments with other menu specialties, estimates associated with foods, equipment, and supplies used by pizza outlets would be biased downward.

In this survey, the establishment was the sample observation, an important distinction for kinds of businesses that have two or more foodservice operations at different locations at the establishments, such as hospitals and colleges. That is, the entire college, including all buildings on a particular campus, was considered an establishment. Estimates associated with these establishments would be biased downward if interviews were not completed in all foodservice operations at the establishment, or

if applicable, estimates were not imputed to represent such operations.

Estimates for Nonsurveyed Segments

Projected totals for foodservice establishments included directly in the survey represented an estimated 81 percent of the purchase value of all foods moving through the away-from-home delivery system. Segments of the industry not represented included those that operated in conjunction with elementary and secondary schools, the military services, correctional institutions, programs for senior citizens, child day-care services, churches and synagogues, fraternity and sorority residential houses, boarding houses, intransit feeding, mobile lunch and ice cream wagons, foodstores, and selected types of theaters and vended food locations. Estimates for segments not included in the sample survey were developed by USDA.

A given estimate for the total foodservice industry may be imputed by multiplying the estimate for the same item from the survey by a factor of 1.24. This exercise assumes comparability between the nonsurveyed and surveyed segments of the foodservice industry, which may not always exist. For example, average milk consumption in schools, a nonsurveyed segment, is much greater than that in any surveyed segment. Thus, it would be expected that an imputed estimate for milk for the entire foodservice industry would be on the low side. Conversely, estimates for other products may be on the high side. Thus, researchers are cautioned against using this approach without giving full consideration to differences between the surveyed and nonsurveyed industry segments and how such differences may affect the estimate of the item to be imputed.

Data Collection

Personal interviews and self-written Food Item Recording Booklets were used to collect the data. To minimize the potential effect on annual estimates of food use due to seasonal differences, interviews were scheduled each month beginning in November 1978 and ending October 1979. One-twelfth of the 200 county selections were surveyed during the middle 2 weeks of each month.

Procedure

Each interview included a personal interview, a food purchase diary, and a final interview when the diary was picked up. Personal interviews were conducted to establish that the foodservice establishment met the study definition. Establishments that met the criteria were provided a Food Item Recording Booklet. The respondent recorded all food purchases for the establishment during a consecutive 7-day period. Classification data and information on economic and operational characteristics of establishments, such as menu specialty, franchise affiliation, firm size, meals served, and years in operation also were obtained during the initial interview.

Followup personal interviews were conducted with the same respondent to check the Food Item Recording Booklet and to obtain other required information on equipment, nonfood supplies, energy, number of workers, sales, and selected components of cost.

Interviewer Training

Field supervisors and interviewers received briefings on the survey objectives, conduct of the interview, and workings of survey instruments. Field supervisors were trained in using a detailed instruction booklet and conducting personal briefings. Field materials along with instruction booklets were mailed to supervisors before the meetings for study before the personal briefings. Each local supervisor, in turn, personally briefed the interviewers who worked on the study. In those areas where a new interviewer was hired, the hiring and training of the interviewer was conducted personally by a full-time salaried regional field supervisor. Where more than one cluster of interviews was conducted at a particular location, the same group of interviewers was used for each cluster.

Quality Control

Completed questionnaires were first checked by local supervisors to control the quality of data collected in the field. As a standard procedure, approximately 25 percent of each interviewer's completed interviews were validated by telephone. Some of the validation was accomplished by the field supervisor, but at least 10 percent was done by the headquarter's staff.

Quality control in the coding and editing operation included a check for the completion of all questionnaires and check-coding of 10 percent of each coder's work by the coding supervisor.

The keypunching operation that transferred data from questionnaires to punch cards was verified by a second person. Further, a computer consistency check of all information was also performed. This step included checking the punched responses for consistency within established coding and editing procedures. Where inconsistencies were found, the original questionnaire was inspected, and corrections in coding and punching were made.

Commodity Reviews

Food volume estimates from this survey were reviewed by USDA commodity specialists. Reviews were based on personal knowledge about their respective commodities and other available data, including findings from a 1969 survey of the foodservice industry and consumption and use data for agricultural products.

In general, reviewers indicated that the survey estimates were reasonable. As with any survey in which thousands of estimates are generated, selected estimates were thought to deviate from expected values either on the high side or on the low side. Following is a summary of reviewer comments:

1. Bakery products, flour and cereals, and fats and oils--
"We do not find any items that appear unreasonable,"
although "precise data to check against" are not
available.
2. Red meats--".....generally confirmed the numbers as far
as possible."
3. Dairy products and ices--"We do not have a good basis
for judging the numbers, especially the specialty items
.....the estimated volume of milk.....is probably

underestimated from 2 to 4 percent....cheese.....
is probably overestimated from 3 to 5 percent."

4. Poultry--"Estimates for the quantity of chicken are somewhat lower than expected, by about 30 percent."
5. Other estimates that deviated from expected values on the high or low sides include:

<u>High</u>	<u>Low</u>
beverage fountain syrups	carbonated soft drinks
instant coffee	mixes and bottled water
carrots	potatoes
beets	lettuce
canned peas	celery
lima beans	frozen peas
frozen asparagus	sauerkraut
broccoli	brussels sprouts
spinach	cauliflower
lemons	cucumbers

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APPENDIX II--SURVEY FORMS

PROJECT #4860
1978 - 1979

5-1
6-0

AWAY-FROM-HOME FOOD STUDY
SCREENING/CALL RECORD FORM

FOR OFFICE USE ONLY	
(7-8)	
NOV - 01	APR - 06
DEC - 02	MAY - 07
JAN - 03	JUN - 08
FEB - 04	JUL - 09
MAR - 05	AUG - 10
	OCT - 11

INTERVIEWER'S NAME _____

SAMPLE I.D. #

9-	10-	11-	12-	13-	14-
----	-----	-----	-----	-----	-----

INTERVIEWER'S #

15-	16-	17-	18-	19-
-----	-----	-----	-----	-----

CITY _____

P.S.U. #

20-	21-	22-
-----	-----	-----

STATE _____

DATE: _____ MONTH _____ DAY _____ YEAR _____

NAME OF ESTABLISHMENT _____			
STREET ADDRESS _____			
CITY OR TOWN _____			
PHONE NUMBER _____	AREA CODE _____	PHONE NUMBER _____	STATE _____ ZIP CODE _____

Hello, I'm _____ from Audits & Surveys, Inc. a national market research organization and would like to speak to the Manager or owner of this establishment.

INTRODUCTION TO MANAGER/ADMINISTRATOR/OWNER

Hello, I'm _____ of Audits & Surveys, Inc. We are conducting a national study of the food service establishments to determine the various types of foods served by these establishments.

1. Is food service available here in this establishment; by food service, I mean the availability of prepared meals or snacks intended for on premise or immediate consumption. YES [] 23-1
NO [] -2
2. Does this food service operation have any food preparation area or kitchen at this location? YES [] 24-1
NO [] -2

IF "YES" TO BOTH Q.1 AND Q.2 SKIP TO STATEMENT.

IF "NO" TO Q.1 AND/OR Q.2, ASK Q.3:

3. Are there any food vending machines within the establishment that dispense sandwiches, soups or prepared foods other than snacks (candy, nuts, pretzels and/or drinks)? YES [] 25-1 READ INSTRUCTIONS
BELOW AND CONTINUE
WITH STATEMENT IF
ESTABLISHMENT MEETS
BOTH CRITERIA
NO [] -2 THANK RESPONDENT
AND TERMINATE

IF "YES" IN Q.3 CHECK OR ASK THE RESPONDENT THE FOLLOWING:

- a. Does this establishment have tables, booths or counters available in the immediate area for eating food?

YES [] NO []

- b. Is a person with records of the foods vended normally at this establishment?

YES [] NO []

IF THE ESTABLISHMENT DOES NOT MEET BOTH OF THE ABOVE CRITERIA, THAT IS, "YES" TO BOTH "a" AND "b", THANK RESPONDENT AND TERMINATE INTERVIEW.

IF THE ESTABLISHMENT MEETS BOTH CRITERIA, CONTINUE WITH STATEMENT.

STATEMENT

I would like to talk to the person who is responsible for food and equipment purchases for this establishment:

RECORD NAME OF THE PERSON BELOW AND READ INTRODUCTION. IF MANAGER/OWNER IS THE PERSON RESPONSIBLE TO BUY, RECORD HIS NAME BELOW AND CONTINUE WITH Q.4.

NAME OF FOOD BUYER _____

NAME OF EQUIPMENT BUYER _____

INTRODUCTION TO BUYER:

Hello, I'm _____ from Audits & Surveys, Inc. We are conducting a study for the food service industry to determine the kinds of establishments serving food all over the United States. HAND HIM/HER THE INTRODUCTORY LETTER AND CONTINUE WITH Q.4.

NOW, I would like to ask you some questions about this food service establishment.

4. First, is this food service operation or drinking place best described as: (READ STATEMENTS AND MARK ONLY ONE).

a. A separate eating or drinking place (not operated as a part of any other kind of business)?

[] 26-1 SKIP TO Q.9

b. Operated as a part of some other kind of business (including plants or factories)?

[] -2 ASK Q.5

IF OPERATED AS PART OF SOME OTHER KIND OF BUSINESS IN Q.4, ASK:

5. What is the other kind of business with which this food service is affiliated? (HAND RESPONDENT CARD A AND MARK ONE.)

KIND OF BUSINESS - Commercial

(27-28)

- A drug store..... [] 01
A department/variety/discount store [] 02
A candy, nut or confection store..... [] 03
A gasoline service station..... [] 04
A retail bakery store..... [] 05
A hotel/motel/tourist court..... [] 06
A bowling, billiards or pool hall..... [] 07
A drive-in motion picture theatre..... [] 08
A dinner theatre..... [] 09
A commercial sports establishment..... [] 10
A private membership golf or country club..... [] 11
A private membership tennis or racket club..... [] 12
A public golf course..... [] 13
An amusement park..... [] 14
A sporting or recreational camp..... [] 15
An office building..... [] 16
A plant or factory..... [] 17
A civic, social or fraternal association or club without on-premise lodging.... [] 18
Other civic, social or fraternal association or club with on-premise lodging available..... [] 19
Delicatessen..... [] 20
An Airport..... [] 21
Other commercial non-institutional business (DESCRIBE)..... [] 22

KIND OF BUSINESS - Non-Commercial

(27-28)

- A hospital:
A government owned hospital
a. Federal..... [] 30
b. State..... [] 31
c. Other local/government..... [] 32
A privately owned/non-government hospital..... [] 33
A residential care facility:
Publicly supported..... [] 34
Commercially operated for profit..... [] 35
Operated by a charitable organization or others for non-profit..... [] 36
A nursing and personal care facility:
Government
a. Nursing homes with health care..... [] 37
b. Nursing homes without health care... [] 38
Non-Government
a. Nursing homes with health care..... [] 39
b. Nursing homes without health care... [] 40
A college, university, professional school, or junior college (higher learning) (completion of 12th grade is an entrance requirement) - one of 2,000 accredited schools..... YEARS [] 41
OR
4
YEARS [] 42
Other - trade schools, etc. [] 43
A religious organization/convent/retreat, etc. [] 44
A community program (job training, etc.) - (Not included in any of the above)..... [] 45
Other non-commercial institutional facility (DESCRIBE)..... [] 46

OTHER BUSINESSES

- Movie theatres (except drive-ins and dinner theatres)..... [] 61
Elementary & Secondary schools. [] 62
Military reservation..... [] 63
Child day care services..... [] 64
Correctional institutions..... [] 65
Boarding houses..... [] 66
A grocery store..... [] 67
A church or synagogue [] 68
Fraternity/sorority/residential house..... [] 69

THANK
RESPONDENT &
TERMINATE

TAKE BACK CARD A

IF OPERATED AS PART OF SOME OTHER KIND OF BUSINESS IN Q.4, ASK:

6. Are there any other food service facilities in this establishment that have their own kitchens or food preparation areas?

YES []29-1 ASK Q.7

NO []-2 SKIP TO Q.10

IF "YES" IN Q.6, ASK:

7. Do these other food service facilities maintain their own food purchasing records?

YES []30-1 ASK Q.8

NO []-2 SKIP TO Q.10

IF "YES" IN Q.7, ASK:

8. What are the names of the other food service operations in this establishment? (RECORD BELOW)

8a. FOR EACH AREA LISTED, ASK: Who is responsible for purchasing the food items for (INSERT AREAS)? (RECORD NAME OF PERSON BELOW).

Q.8 AREAS	Q.8a PERSON RESPONSIBLE FOR FOOD PURCHASING
1. _____	_____
2. _____	_____
3. _____	_____

31-

INTERVIEWER NOTE: A SEPARATE QUESTIONNAIRE IS REQUIRED FOR EACH FOOD SERVICE OPERATION MENTIONED IN Q.8. CONTINUE WITH Q.10.

IF SEPARATE EATING OR DRINKING PLACE IN Q.4, ASK:

9. HAND RESPONDENT CARD "B" AND SAY: Here is a list of various types of food service operations. Which one category would best describe this food service operation? (MARK ONE)

1. Restaurant (full menu provided with waiter/waitress service and patrons seated) []32-1
2. Ice cream, frozen custard stand [] -2
3. Fast-food or refreshment place providing limited menu of food items (hamburgers, steaks, seafood, chicken, pizza, pancakes, etc.) [] -3
4. Cafeteria [] -4
5. Social caterer (banquets, weddings, etc.) [] -5
6. Mobile food service (ice cream, sandwiches, snacks, and meals distributed from trucks or other vehicles) [] -6
7. Drinking place (tavern, bar, night club, etc.) [] -7
8. Other (SPECIFY) [] -8

33-

TAKE BACK CARD B

ASK EVERYONE

Now I'd like to know about the food services offered by this establishment.

10a. Here is a list of various types of services offered by different food operations. (HAND RESPONDENT CARD C)
Please go through the list and tell me which of these services are offered by this food operation? (MARK ONE OR MORE BELOW)

IF MORE THAN ONE BOX IS CHECKED, ASK:

10b. Which one of these is the primary type of food service offered? (MARK ONE BELOW)

	<u>Q.10a</u> <u>SERVICES</u> <u>OFFERED</u>	<u>Q.10b</u> <u>PRIMARY</u> <u>SERVICE</u> (48-49)
Table/booth with waiter/waitress service	[] 34-1	[] 01
Eat at counter with waiter/waitress service	[] 35-1	[] 02
Counter purchase (seating elsewhere in establishment)	[] 36-1	[] 03
Counter purchase (stand-up facilities)	[] 37-1	[] 04
Cafeteria type service	[] 38-1	[] 05
Room service	[] 39-1	[] 06
Banquet facilities	[] 40-1	[] 07
Catering	[] 41-1	[] 08
Carry-out	[] 42-1	[] 09
Food vending machine	[] 43-1	[] 10
Drive-up window	[] 44-1	[] 11
Delivery services	[] 45-1	[] 12
Other (SPECIFY)	[] 46-1	[] 13

47-

TAKE BACK CARD C

11. Which of the following statements best describes this food service operation.

1. A food service facility that is owned by a firm that also franchises independent outlets [] 50-1
2. A food service facility that is associated with a firm that franchises but, that is NOT OWNED by it [] -2
3. A food service facility that is neither owned by nor identified with a firm that franchises [] -3

12. Is this food service operation under contract to feed either employees, patients, inmates, passengers or students within this establishment?

YES [] 51-1

NO [] -2

13. How many years has this particular food service operation at this location been under the present ownership?

MONTHS _____
(52-53)

YEARS _____
(54-55)

14. What is the menu specialty of this food service operation? (MARK ONE)

		(56-57)	
VARIED AMERICAN PLATE MEALS	[] 01	CHICKEN OR TURKEY	[] 08
ITALIAN FOODS	[] 02	PIZZA	[] 09
FRENCH FOODS	[] 03	HAMBURGER, HOT DOGS	[] 10
ORIENTAL FOODS	[] 04	SANDWICHES	[] 11
MEXICAN FOODS	[] 05	ICE CREAM	[] 12
STEAKS, CHOPS, ROAST BEEF	[] 06	OTHER (SPECIFY)	[] 13
SEA FOODS	[] 07		

15. In total, how many eating places are operated by the owner(s) of this eating facility? (MARK ONE)

		(58-59)	
1	[] 01	51-100	[] 08
2	[] 02	101-249	[] 09
3	[] 03	250-499	[] 10
4-5	[] 04	500-999	[] 11
6-10	[] 05	1,000 OR MORE	[] 12
11-25	[] 06	(IF DON'T KNOW)	
26-50	[] 07	(GET BEST GUESS)	_____

16. I am going to read a list of different food items. As I read a category, please tell me if this establishment has purchased any products in that category within the past two months. (READ LIST AND MAKE SURE TO CHECK "YES" OR "NO" FOR EACH CATEGORY.)

Q.16
PURCHASED

I. Red Meats and Red Meat Products -
Excluding Prepared Food Mixtures

	YES	NO
A. Hamburger or ground meat (excluding ground pork sausage & chopped sirloin)	[] 60-1	[] -2
B. Beef and veal; steaks, ribs or roasts	[] 61-1	[] -2
C. Any other beef or veal cuts or products	[] 62-1	[] -2
D. Pork; chops, steaks, ribs or roasts	[] 63-1	[] -2
E. Any other pork cuts or products	[] 64-1	[] -2
F. Bacon	[] 65-1	[] -2
G. Hams	[] 66-1	[] -2
H. Hot dogs, weiners, sausages, luncheon meat,	[] 67-1	[] -2
I. Lamb or mutton	[] 68-1	[] -2
J. Game meat; large and small	[] 69-1	[] -2
K. Liver, heart and other varietals	[] 70-1	[] -2
L. Meat pizza toppings	[] 71-1	[] -2

II. Poultry and Eggs

	YES	NO
A. Chickens (whole and half)	[] 72-1	[] -2
B. Turkey (whole and half)	[] 73-1	[] -2
C. Other poultry and small game fowl (whole and half)	[] 74-1	[] -2
D. Chicken, turkey and other poultry parts	[] 75-1	[] -2
E. Processed poultry	[] 76-1	[] -2
F. Eggs and egg products	[] 77-1	[] -2

5-2
6-0

III. Fish/Shellfish

	YES	NO
A. Whole finfish (not including shellfish)	[] 7-1	[] -2
B. Processed finfish including patties, squares, sticks and blocks	[] 8-1	[] -2
C. Cut finfish (includes steaks and fillets)	[] 9-1	[] -2
D. Canned, bottled, dried finfish or finfish products	[] 10-1	[] -2
E. Shellfish	[] 11-1	[] -2
F. Other seafood and marine specialties (including seafood blend, caviar, roe, frogs legs, etc.)	[] 12-1	[] -2

Q.16
PURCHASED

IV. Vegetables	YES	NO
A. Fresh/refrigerated vegetables	[] 13-1	[] -2
B. Fresh shredded, sliced, diced, vegetables or vegetable salad mix	[] 14-1	[] -2
C. Frozen vegetables (does not include frozen potatoes)	[] 15-1	[] -2
D. Canned vegetables	[] 16-1	[] -2
E. Dried or frozen potatoes or potato products	[] 17-1	[] -2
F. Dried miscellaneous vegetables	[] 18-1	[] -2

V. Fruits and Fruit Type Pie Filling	YES	NO
A. Fresh/refrigerated fruits	[] 19-1	[] -2
B. Frozen fruits	[] 20-1	[] -2
C. Canned fruits	[] 21-1	[] -2
D. Dried fruits	[] 22-1	[] -2
E. Fruit type pie filling	[] 23-1	[] -2

VI. Juices and Miscellaneous Non-Carbonated Drinks	YES	NO
A. Single strength	[] 24-1	[] -2
B. Liquid, freeze dried, or frozen base concentrate	[] 25-1	[] -2
C. Cold drink, powder mix	[] 26-1	[] -2
D. Cold drink, syrup mix	[] 27-1	[] -2

VII. Carbonated Soft Drinks, Beverage	YES	NO
Fountain Syrups, Cocktail Mixes, Bottled Water		
A. Carbonated soft drinks	[] 28-1	[] -2
B. Beverage fountain syrups	[] 29-1	[] -2
C. Cocktail mixes and bottled water	[] 30-1	[] -2

VIII. Soups	YES	NO
A. Canned and condensed and dried soups	[] 31-1	[] -2
B. Soup bases or bouillon	[] 32-1	[] -2
C. Vending soups - soup kits	[] 33-1	[] -2

IX. Gravy and Sauces	YES	NO
A. Gravy	[] 34-1	[] -2
B. Sauces, including tomato, soya, hot, steak, etc.	[] 35-1	[] -2

Q.16
PURCHASED

X. Bakery Products	YES	NO
A. Bread (fresh, refrigerated dough, dry mix, frozen bake and serve, frozen thaw and serve and any other form)	[]36-1	[]-2
B. Rolls, buns, biscuits, muffins, bagels (fresh, refrigerated dough, dry mix, frozen bake and serve, frozen thaw and serve, and any other form)	[]37-1	[]-2
C. Pancakes, waffles, French toast, soft pretzels, breadings, croutons, bread sticks, crepes, blintzes, dumplings (fresh, refrigerated dough, dry mix, frozen bake and serve, frozen thaw and serve, and any other form)	[]38-1	[]-2
D. Cakes, pastry, pies, doughnuts, pie shells, pizza crust (fresh, refrigerated dough, dry mix, frozen bake and serve, frozen thaw and serve and any other form)	[]39-1	[]-2
E. Cookies, crackers, cones, poptarts (fresh, refrigerated dough, dry mix, frozen bake and serve, frozen thaw and serve and any other form)	[]40-1	[]-2
F. Miscellaneous products used in baking	[]41-1	[]-2

XI. Flour, Cereal, Pasta and Other Grain Products	YES	NO
A. Flour, includes corn meal, cracker meal, and matzo meal	[]42-1	[]-2
B. Hot breakfast cereals	[]43-1	[]-2
C. Cold breakfast cereals and breakfast bars	[]44-1	[]-2
D. Rice and barley products	[]45-1	[]-2
E. Noodles, macaroni and spaghetti products	[]46-1	[]-2

XII. Dairy Products, Ices and Dairy Product Substitutes	YES	NO
A. Fluid and dry milk, dry milk products, cream and cream substitutes and whipped topping	[]47-1	[]-2
B. Ice cream, custard, sherbet, ice milk, yogurt and ices	[]48-1	[]-2
C. Cheese: natural/processed/imitation/cream/cottage	[]49-1	[]-2
D. Butter	[]50-1	[]-2

XIII. Shortenings, Fats and Oils, Salad Dressings and Mayonnaise	YES	NO
A. Deep fry shortenings, fats and oils	[]51-1	[]-2
B. Grill or pan frying shortenings, fats and oils	[]52-1	[]-2
C. Salad oils/cooking oils	[]53-1	[]-2
D. Margarine	[]54-1	[]-2
E. Salad dressings and mayonnaise	[]55-1	[]-2
F. Cake, pastry and icing shortenings and other fats	[]56-1	[]-2

Q.16
PURCHASED

XIV. Condiments, Seasonings and Spices,
Including Olive and Pickle Products

	YES	NO
A. Seasonings, including salt and pepper	[] 57-1	[] -2
B. Herbs and spices	[] 58-1	[] -2
C. Catsup, mustard, vinegar, horseradish	[] 59-1	[] -2
D. Olives	[] 60-1	[] -2
E. Pickles and relish	[] 61-1	[] -2
F. Cooking wine and sherry	[] 62-1	[] -2

XV. Jelly, Jams, Peanut Butter, Candy,
Gelatin, Puddings and Cream Desserts

	YES	NO
A. Jam, jelly, preserves and peanut butter	[] 63-1	[] -2
B. Gelatins	[] 64-1	[] -2
C. Puddings and cream desserts, non fruit pie fillings	[] 65-1	[] -2
D. Non vending candy and marshmallows	[] 66-1	[] -2

XVI. Syrups, Fountain Toppings, Honey, Sugar

	YES	NO
A. Table syrup, molasses and honey	[] 67-1	[] -2
B. Fountain syrups and toppings	[] 68-1	[] -2
C. Dry sugar, liquid sweeteners and sugar substitutes	[] 69-1	[] -2

XVII. Nuts and Snacks (chips, pretzels, etc.)

	YES	NO
A. Nuts	[] 70-1	[] -2
B. Chips, pretzels, popcorn, etc.	[] 71-1	[] -2

XVIII. Coffee, Tea, Cocoa

	YES	NO
A. Coffee, coffee substitutes	[] 72-1	[] -2
B. Tea	[] 73-1	[] -2
C. Cocoa	[] 74-1	[] -2

XIX. Geriatric, Baby, Dietary and Health Foods

	YES	NO
A. Geriatric and baby foods	[] 75-1	[] -2
B. Other health and diet foods	[] 76-1	[] -2

XX. Prepared Foods and Food Mixtures

	YES	NO
A. Hors d'oeuvre/appetizers	[] 7-1	[] -2
B. Salads and salad type mixtures	[] 8-1	[] -2
C. Sandwiches	[] 9-1	[] -2
D. Prepared meat meals or entrees with beef or veal	[] 10-1	[] -2
E. Prepared meat meals or entrees with poultry or pork	[] 11-1	[] -2
F. Other prepared meat meals, entrees, pizza or side dishes with or without meat, poultry or seafood	[] 12-1	[] -2

5-3
6-0

As part of this overall study of the out-of-home food industry, we have to obtain information on the food receipts of each establishment for one week. The information we need about the food items you purchase includes weight, quantity, description of smallest buying unit, etc. In order to make this task as easy as possible for you, I have a few questions to ask.

17. First, based on how you keep your records, would it be easier for you to provide a record of your food receipts for the past week, or would it be easier to supply this information for the coming week?

PAST WEEK []13-1

COMING WEEK []-2

18. In the course of operating this establishment, are any preprinted reports or summaries prepared which provide the specific types of information stated above on food receipts, or from which you can derive the specific information for any period of time such as a week, month or any other time period?

YES []14-1 ASK Q.19

NO []-2 SKIP TO Q.22

IF "YES" IN Q.18, ASK:

19. For what time period is that report prepared?

WEEKLY []15-1
MONTHLY [] -2
OTHER (SPECIFY) [] -3

20. Does the report contain... (READ LIST AND MARK ONE.)

All the food items you purchase []16-1 ASK
Most of the food items you purchase [] -2 Q.21
Only major items you purchase [] -3 SKIP TO
Just a few items [] -4 Q.22

IF "ALL" OR "MOST" ITEMS IN Q.20, ASK:

21. Would it be convenient for you to give us a copy of your latest report?

YES []17-1 SEE INSTRUCTIONS NO []-2 GO TO Q.22

INSTRUCTION: IF "YES" TO Q.21, REQUEST A COPY OF THAT REPORT, AND MAKE APPOINTMENT FOR SECOND VISIT WITHIN THE NEXT FEW DAYS, BUT MAKE SURE THE REPORT IS PREPRINTED (SEE NOTE ON PREPRINTED REPORTS).

IN THE MEANWHILE, CHECK THE REPORT AND MAKE SURE IT HAS THE INFORMATION REQUIRED IN THE RECORDING BOOKLET. IF AT LEAST THE TOTAL QUANTITY RECEIVED OF EACH ITEM CAN BE OBTAINED FROM THE REPORT, COMPLETE THE QUESTIONNAIRE DURING THE SECOND VISIT.

IF THE CORRECT INFORMATION CANNOT BE OBTAINED, PULL OUT DETAIL SHEETS FOR CATEGORIES MENTIONED AS NOT PURCHASED, LEAVE A RECORDING BOOKLET AT THE SECOND VISIT, AND MAKE APPOINTMENT FOR A THIRD VISIT.

BE SURE TO ASK Q'S 22-26.

NOTE ON PREPRINTED REPORTS:

WE WILL NOT ACCEPT HANDWRITTEN RECEIPTS. IF HIS REPORTS ARE HANDWRITTEN, PULL OUT DETAIL SHEETS FOR CATEGORIES MENTIONED AS NOT PURCHASED, LEAVE A RECORDING BOOKLET AND MAKE AN APPOINTMENT FOR SECOND VISIT.

ASK EVERYONE

22. About how many weeks per year is this establishment open?

WEEKS _____
(19-19)

23. As a usual practice, which of the following meals do you serve? (READ LIST AND MARK "YES" OR "NO" FOR EACH TYPE.)

	Q.23		Q.24
	YES	NO	
Breakfast	[] 20-1	[] -2	_____ (24-26)
Lunch	[] 21-1	[] -2	_____ (27-29)
Dinner	[] 22-1	[] -2	_____ (30-32)
Snacks	[] 23-1	[] -2	_____ (33-35)

FOR EACH MEAL TYPE SERVED "YES" IN Q.23, ASK:

24. About how many persons do you serve (INSERT TYPE) to on a typical day? (RECORD NUMBER ABOVE FOR APPROPRIATE MEAL.)
25. During the past year what were your food costs (excluding paper and cleaning supplies) as a percent of gross sales?
- % _____ (36-37)
26. Approximately what are your weekly food costs?
- \$ _____ (38-41)

INTERVIEWER: IF "NO" IN Q.18 OR Q.21 DO THE FOLLOWING:

PULL OUT THE DETAIL SHEETS FOR THE CATEGORIES MENTIONED AS NOT PURCHASED -- "NO" TO Q.16

HAND RESPONDENT RECORDING BOOKLET AND SAY:

I am going to leave a booklet with you to record the various items you might receive in the next seven days and detail sheet for various categories, listing items in each category. At the end of each day, please list all the items received using the detailed sheets. For each item listed please indicate the quantity, description of the buying units and container type.

INTERVIEWER: MAKE SURE RESPONDENT UNDERSTANDS CLEARLY AS TO WHAT TO RECORD ABOUT EACH ITEM IN THE RECORDING BOOKLET, AND,

HOW TO USE THE DETAILED FOOD LISTING SHEETS.

I shall come back after a week and pick up the recording booklet.

INTERVIEWER: RECORD BELOW THE TIME AND DATE TO PICK UP THE BOOKLET. THANK RESPONDENT FOR HIS/HER COOPERATION.

MONTH	_____
DATE	_____
DAY	_____
TIME	_____

INTERVIEWER NOTE: A SEPARATE QUESTIONNAIRE IS REQUIRED FOR EACH FOOD SERVICE OPERATION MENTIONED IN Q.8. YOU ARE TO INTERVIEW THE PERSON RESPONSIBLE FOR EACH OPERATION SEPARATELY.

INTERVIEWER: BE SURE TO RECORD THE RESULTS OF EACH CALL IN THE CALL RECORD GRID BELOW.

<u>RESULTS OF CALL</u>	<u>1ST CALL</u>	<u>2ND CALL</u>	<u>3RD CALL</u>	<u>4TH CALL</u>
INTERVIEW COMPLETED	[] 142-1	[] 143-1	[] 144-1	[] 145-1
INTERVIEW REFUSED OR INCOMPLETE	[] -2	[] -2	[] -2	[] -2
FOOD SERVICE AVAILABLE ESTABLISHMENT INELIGIBLE	[] -3	[] -3	[] -3	[] -3
ESTABLISHMENT INELIGIBLE NO FOOD SERVICE AVAILABLE	[] -4	[] -4	[] -4	[] -4
SEASONALLY CLOSED, INTERVIEW COMPLETED	[] -5	[] -5	[] -5	[] -5
SEASONALLY CLOSED, INTERVIEW REFUSED OR INCOMPLETED	[] -6	[] -6	[] -6	[] -6
SEASONALLY CLOSED, WILL OPEN (MONTH) _____ (WILL COMPLETE LATER)	[] -7	[] -7	[] -7	[] -7
OUT OF BUSINESS (VACANT)	[] -8	[] -8	[] -8	[] -8
OTHER (DESCRIBE) _____ _____	[] -9	[] -9	[] -9	[] -9

AUDITS & SURVEYS, INC.
One Park Avenue
New York, New York 10016

PROJECT #4860
August 1978

5-0
6-4

AWAY FROM HOME FOOD STUDY
QUESTIONNAIRE

INTERVIEWER'S NAME _____

SAMPLE I.D. #

7-	8-	9-	10-	11-	12-

INTERVIEWER'S #

--	--	--	--	--

DATE

MONTH

DAY

YEAR

TIME INTERVIEW BEGAN: _____

TIME INTERVIEW ENDED: _____

TOTAL TIME: _____

NAME OF RESPONDENT _____

TITLE _____

NAME OF ESTABLISHMENT _____

ADDRESS _____

CITY/STATE _____

CITY

STATE

TELEPHONE # (_____) _____

AREA CODE

TELEPHONE #

INTRODUCTION TO RESPONDENT:

Thank you for your cooperation. In order to complete the information, I would like to ask you a few questions about various types of dinnerware and equipment used by this food service establishment at this location. I assure you this won't take long.

1. Within this food service operation, are there any food/beverage items sold through vending machines?

YES []13-1 ASK Q.2

NO []-2 SKIP TO Q.6



IF "YES" IN Q.1, ASK:

2. In total how many vending machines are there in this food service operation?

_____ (14-15)

HAND RESPONDENT CARD D AND SAY:

3. Which of these items are sold through the vending machines and about how many machines carry this item? (MARK AS MANY AS MENTIONED.)

ITEMS	Q.3		Q.5
	ITEMS CARRIED	# OF MACHINES	% OF ANNUAL DOLLARS
Soups and other hot canned items	[]16-1	_____ (17-18)	_____ % (19-20)
Milk and chocolate drink	[]21-1	_____ (22-23)	_____ % (24-25)
Soft drinks	[]26-1	_____ (27-28)	_____ % (29-30)
Sandwiches	[]31-1	_____ (32-33)	_____ % (34-35)
Ice Cream	[]36-1	_____ (37-38)	_____ % (39-40)
Fruits	[]41-1	_____ (42-43)	_____ % (44-45)
Candy and packaged confections	[]46-1	_____ (47-48)	_____ % (49-50)
Crackers, cookies, cakes	[]51-1	_____ (52-53)	_____ % (54-55)
Coffee, tea, cocoa	[]56-1	_____ (57-58)	_____ % (59-60)
Other food products (SPECIFY)	_____ 61-1	_____ (62-63)	_____ % (64-65)

TAKE BACK CARD "D"

4. What is the total annual dollar volume for food/beverage items excluding tobacco and non-food items, sold through the vending machines?

\$ _____ (66-69)

FOR EACH FOOD/BEVERAGE ITEM SOLD THROUGH VENDING MACHINES, ASK:

5. About what percent of total food/beverage dollar volume through vending machines is accounted by (INSERT ITEM)? (RECORD PERCENT ABOVE AND REPEAT Q.5 FOR ALL ITEMS CHECKED IN Q.3)

Now, I would like to ask a few questions about permanent dinnerware and tableware used by this food service operation.

IF NO PERMANENT DINNERWARE AND TABLEWARE USED MARK THE BOX HERE []70-1 AND SKIP TO Q.10.

6. First, let's talk about permanent dinnerware. As I read an item please tell me how many of that item does this operation presently own? (READ EACH ITEM LISTED BELOW AND RECORD NUMBER FOR EACH ITEM. IF NOT OWNED CHECK "NONE".)

PERMANENT DINNERWARE	Q.6 TOTAL # OWNED	Q.7 NUMBER OWNED BY TYPE			
		CHINAWARE	GLASS CLEAR/ GLASS CERAMIC	METAL	HEAVY DUTY PLASTIC/ WOOD
<u>Plates Including Salad Platters</u>			5-0 6-5		
Under 6 inches	# _____ (71-73) NONE []	# _____ (74-76)	# _____ (7-9)	# _____ (10-12)	# _____ (13-15)
Over 6 inches	# _____ (16-18) NONE []	# _____ (19-21)	# _____ (22-24)	# _____ (25-27)	# _____ (28-30)
Oval Platters	# _____ (31-33) NONE []	# _____ (34-36)	# _____ (37-39)	# _____ (40-42)	# _____ (43-45)
<u>Bowls</u>					
Under 8 ounces	# _____ (46-48) NONE []	# _____ (49-51)	# _____ (52-54)	# _____ (55-57)	# _____ (58-60)
8 ounces or more	# _____ (61-63) NONE []	# _____ (64-66)	# _____ (67-69)	# _____ (70-72)	# _____ (73-75)
Saucers	# _____ (7-9) NONE []	# _____ (10-12)	# _____ (13-15)	# _____ (16-18)	# _____ (19-21)
Cups/Mugs	# _____ (22-24) NONE []	# _____ (25-27)	# _____ (28-30)	# _____ (31-33)	# _____ (34-36)
Glasses	# _____ (37-39) NONE []		# _____ (40-42)	# _____ (43-45)	# _____ (46-48)
Coffee Pots	# _____ (49-50) NONE []	# _____ (51-52)	# _____ (53-54)	# _____ (55-56)	# _____ (57-58)
Water Pitchers	# _____ (59-60) NONE []	# _____ (61-62)	# _____ (63-64)	# _____ (65-66)	# _____ (67-68)
Creamers	# _____ (69-70) NONE []	# _____ (71-72)	# _____ (73-74)	# _____ (75-76)	# _____ (77-78)
Sugar Bowls	# _____ (7-8) NONE []	# _____ (9-10)	# _____ (11-12)	# _____ (13-14)	# _____ (15-16)

Now let's talk about the type of permanent dinnerware that you own.

FOR EACH ITEM OWNED, ASK:

7. How many of (INSERT ITEM) that you own are chinaware, how many of these are glass clear or glass ceramic, how many of these are metal, and how many are heavy duty plastic or wood? (RECORD NUMBER FOR EACH TYPE ABOVE UNDER Q.7.) (REPEAT QUESTION 7 FOR EACH ITEM OWNED.)

8. Now, thinking about permanent tableware, please tell me which of the following items are used by your establishment. (READ EACH ITEM LISTED BELOW AND MARK "YES" OR "NO" FOR THAT ITEM.)

TABLEWARE	Q.8	
	YES	NO
Knives	[] 17-1	[] 2
Forks	[] 18-1	[] 2
Spoons	[] 19-1	[] 2

9. In total, about how many settings of stainless steel tableware does this operation own and how many settings are silver plated?

STAINLESS STEEL # _____ (20-22) SILVER PLATED # _____ (23-25)

Now, let's talk about disposable dinnerware and beverage containers.

IF NO DISPOSABLE OF ANY KIND USED, MARK THIS BOX []26-1 AND SKIP TO Q.14.

10. As I read the list of various types of disposable items, please tell me if your operation uses that item. (READ LIST AND MARK "YES" OR "NO" FOR EACH ITEM).

FOR EACH ITEM CHECKED "YES" IN Q.10, ASK:

11. What type of material are these (INSERT TYPE) made of? (MARK AS MANY AS APPLY).

12. About how many cases of (INSERT ITEM AND MATERIAL) are purchased annually? (RECORD BELOW).

13. And how many pieces are there in each case of this item? (RECORD BELOW)

	Q.10		Q.11		Q.12	Q.13
	YES	NO	TYPE		# OF CASES PURCHASED	# OF ITEMS PER CASE
Plates/Bowls	[] 27-1	[]-2	Paper	[] 28-1	# (31-33)	# (40-42)
			Foam	[] 29-1	# (34-36)	# (43-45)
			Impact/thermo-formed plastic	[] 30-1	# (37-39)	# (46-48)
Cold Drink Cups 6-14 Oz. Manual	[] 49-1	[]-2	Paper	[] 50-1	# (53-55)	# (62-64)
			Foam	[] 51-1	# (56-58)	# (65-67)
			Impact/thermo-formed plastic	[] 52-1	# (59-61)	# (68-70)
Cold Drink Cups 15 Oz. or Larger Manual	[] 7-1	[]-2	Paper	[] 8-1	# (11-13)	# (20-22)
			Foam	[] 9-1	# (14-16)	# (23-25)
			Impact/thermo-formed plastic	[] 10-1	# (17-19)	# (26-28)
Cold Drink Cups Vending Type	[] 29-1	[]-2	Paper	[] 30-1	# (33-35)	# (42-44)
			Foam	[] 31-1	# (36-38)	# (45-47)
			Impact/thermo-formed plastic	[] 32-1	# (39-41)	# (48-50)
Hot Drink Cups Manual	[] 51-1	[]-2	Paper	[] 52-1	# (55-57)	# (64-66)
			Foam	[] 53-1	# (58-60)	# (67-69)
			Impact/thermo-formed plastic	[] 54-1	# (61-63)	# (70-72)
Hot Drink Cups Vending Type	[] 7-1	[]-2	Paper	[] 8-1	# (11-13)	# (20-22)
			Foam	[] 9-1	# (14-16)	# (23-25)
			Impact/thermo-formed plastic	[] 10-1	# (17-19)	# (26-28)

14. Now, I'd like to ask about a few other items that are used in operations like yours. Please tell me which of the following are used by you. (READ LIST AND MARK "YES" OR "NO" FOR EACH ITEM)

Disposable

Tableware YES NO

Bagged Setting	[] 29-1	[] -2
Loose	[] 30-1	[] -2

Lids YES NO

Plastic	[] 31-1	[] -2
Paper	[] 32-1	[] -2

Food Wraps YES NO

Foil	[] 33-1	[] -2
Wax Paper	[] 34-1	[] -2
Dry Wax	[] 35-1	[] -2
Freezer Wrap	[] 36-1	[] -2
Plastic Wrap	[] 37-1	[] -2

Cartons YES NO

Single Sandwich	[] 38-1	[] -2
Partial/Full Meal	[] 39-1	[] -2

Bags/Sacks YES NO

Single Portion	[] 40-1	[] -2
Carry-Out	[] 41-1	[] -2

Cylindrical
Food

Containers YES NO

Condiment Size	[] 42-1	[] -2
3-4 Oz.	[] 43-1	[] -2
5-8 Oz.	[] 44-1	[] -2
Over 8 Oz.	[] 45-1	[] -2

Popcorn Cups YES NO

18-24 Oz.	[] 46-1	[] -2
32 Oz. Or More	[] 47-1	[] -2

Food Tubs YES NO

All Sizes	[] 48-1	[] -2
-----------	----------	--------

15. How about paper napkins, toilet tissue and other paper disposable items?
Please tell me which of the following types you use. (READ LIST AND MARK
"YES" OR "NO" FOR EACH ITEM)

FOR EACH ITEM CHECKED "YES" IN Q.15, ASK:

16. About how many cases of (INSERT ITEM) are purchased annually? (RECORD
NUMBER BELOW)

17. How many items are there in each case? (RECORD BELOW)

		Q.15		Q.16	Q.17	
		TYPE USED		# OF CASES	# OF ITEMS	
		YES	NO	PURCHASED	PER CASE	
Paper Napkins						
Single Ply	Cocktail	[] 49-1	[] -2	# (50-52)	# (53-55)	
	Luncheon	[] 56-1	[] -2	# (57-59)	# (60-62)	
	Dinner	[] 63-1	[] -2	# (64-66)	# (67-69)	
Multi-Ply	Cocktail	[] 70-1	[] -2	# (71-73)	# (74-76)	5-1
	Luncheon	[] 7-1	[] -2	# (8-10)	# (11-13)	6-0
	Dinner	[] 14-1	[] -2	# (15-17)	# (18-20)	
Toilet Tissue						
Single-Ply		[] 21-1	[] -2	# (22-24)	# (25-27)	
Multi-Ply		[] 28-1	[] -2	# (29-31)	# (32-34)	
Flat/Interfold		[] 35-1	[] -2	# (36-38)	# (39-41)	
Paper Towels						
Roll (Kitchen/Soft Wound)		[] 42-1	[] -2	# (43-45)	# (46-48)	
Roll (Washroom/ Hard Wound)		[] 49-1	[] -2	# (50-52)	# (53-55)	
2 Panel - (Single Fold)		[] 56-1	[] -2	# (57-59)	# (60-62)	
3 Panel - (Single or Multi Fold)		[] 63-1	[] -2	# (64-66)	# (67-69)	
3 Panel - (Center Fold)		[] 70-1	[] -2	# (71-73)	# (74-76)	5-1
Paper Placemats		[] 7-1	[] -2	# (8-10)	# (11-13)	6-1
Paper Table Cloths		[] 14-1	[] -2	# (15-17)	# (18-20)	
Paper Tray Covers		[] 21-1	[] -2	# (22-24)	# (25-27)	
Disposable Trays And Other Serviceware		[] 28-1	[] -2	# (29-31)	# (32-34)	

Now I would like to ask a few questions about various types of equipment used by this food service operation.

18. First, please tell me how many of the following receiving and storage equipment are in operating condition on the premises. (READ LIST AND RECORD NUMBER. IF NONE, RECORD "0".)

Refrigerators		Freezers	
TYPE:	# IN OPERATING CONDITION	TYPE	# IN OPERATING CONDITION
1. Reach-In Full Size	# _____ (35)	1. Reach-In Full Size	# _____ (39)
2. Walk-In	# _____ (36)	2. Walk-In	# _____ (40)
3. Reach-In (Counter or Undercounter Height)	# _____ (37)	3. Reach-In (Counter or Undercounter Height)	# _____ (41)
4. Mobile Carts	# _____ (38)	4. Mobile Carts	# _____ (42)

OTHER RECEIVING AND STORAGE EQUIPMENT	
	# IN OPERATING CONDITION
1. Receiving Scales	# _____ (43)
2. Hand Trucks And Dollies	# _____ (44)
3. Ingredient Bins - Mobile	# _____ (45)

19. Now please tell me the linear footage (including walk-in refrigerator storage) for the following types of shelving. (READ LIST AND RECORD NUMBER. IF NONE, RECORD "0".)

SHELVING:	LINEAR FOOTAGE
Portable {	- Wire # _____ (46-48)
	- Solid # _____ (49-51)
Stationary {	- Wire # _____ (52-54)
	- Wood # _____ (55-57)
	- Other Solid # _____ (58-60)

20. How about food preparation equipment? About how many of the following food preparation equipment do you have in operating condition? (READ LIST AND RECORD NUMBER. IF NONE, RECORD "0".)

TYPE OF EQUIPMENT	# IN OPERATING CONDITION	TYPE OF EQUIPMENT	# IN OPERATING CONDITION
1. Bread Slicer	# _____ (61)	12. Breeding Machine	# _____ (72)
2. Meat Slicing Machine	# _____ (62)	13. Dough Divider and Rounder	# _____ (73)
3. Power Meat Saw	# _____ (63)	14. Ice Making Machines	# _____ (74)
4. Tenderizing Machine	# _____ (64)	15. Portion Control Scales	# _____ (75)
5. Patty Maker, Automatic	# _____ (65)	16. Work Table Tops or Cutting Boards	# _____ (76)
6. Meat Chopper	# _____ (66)	17. Sinks, Stainless or Other	# _____ (77)
7. Vegetable Cutter, Dicer, Slicer, Stationary Bowl, Powered	# _____ (67)	18. Tray Make Up Conveyor	# _____ (78)
8. Vegetable Cutter, Dicer, Slicer, Rotating Bowl, Powered	# _____ (68)	19. Waffle Irons	# _____ (79)
9. Vegetable Cutter, Dicer, Attachment.	# _____ (69)	20. Popcorn Popper	# _____ (80)
10. Peelers	# _____ (70)	21. Toasters, Pop-Up Type	# _____ (7)
11. Food Mixers & Beaters	# _____ (71)	22. Toasters, Conveyor Type	# _____ (8)

5-1
6-2

Coffee Makers	
	# IN OPERATING CONDITION
1. Automatic Coffee Bottle Brewers	# _____ (9)
2. Manual Pourover Bottle Brewers	# _____ (10)
3. Automatic Coffee Urns	# _____ (11)
4. Manual Coffee Urns	# _____ (12)
5. Hot Tea Urns	# _____ (13)

How many of the following cooking and reconstituting equipment do you have at this location that are in operating condition? (READ LIST AND RECORD NUMBER OF EQUIPMENT USING GAS AND ELECTRICITY. IF NONE RECORD "0".)

NUMBER IN
OPERATING CONDITION

Ovens:	GAS	ELECTRIC
1. Deck Type, Roasting and Baking	# (14)	# (15)
2. Convection, Floor or Counter	# (16)	# (17)
3. Convection, Floor or Counter (Roll In)	# (18)	# (19)
4. Rotary (Reel or Revolving Tray)	# (20)	# (21)
5. Infra-Red (Quartz, Metal Sheath/Gas Heated)	# (22)	# (23)
6. Low Temperature	# (24)	# (25)
7. Conveyorized	# (25)	# (27)
8. Rack Type	# (28)	# (29)
9. Pizza	# (30)	# (31)
10. Electronic (Micro-wave) Plug In 110V	# (32)	# (33)
11. Electronic (Micro-wave) Plug In 220V	# (34)	# (35)

Ranges:	GAS	ELECTRIC
1 Light/Medium Duty	# (36)	# (37)
2. Heavy Duty	# (38)	# (39)

Fryers:	GAS	ELECTRIC
1 Pressure	# (40)	# (41)
2 Deep Fat, Floor	# (42)	# (43)
3 Deep Fat, Counter	# (44)	# (45)
4. Continuous	# (46)	# (47)
5. Filter - Built In	# (48)	# (49)
6. Filter - Portable	# (50)	# (51)

5 - 1
6 - 3

NUMBER IN
OPERATING CONDITION

Broilers:	GAS	ELECTRIC
1. Overfired	# (52)	# (53)
2. Salamander	# (54)	# (55)
3. Open Hearth	# (56)	# (57)
4. Counter top Charbroilers	# (58)	# (59)

Cookers:	GAS	ELECTRIC
1. Steam, Atmospheric Pressure	# (60)	# (61)
2. Steam, Deck, Low Pressure (5-8 PSI)	# (62)	# (63)
3. Steam, High Pressure (12-15 PSI)	# (64)	# (65)

Kettles:	GAS	ELECTRIC
1. Kettle, Steam Jacketed	# (66)	# (67)

Miscellaneous:	GAS	ELECTRIC
1. Griddles & Grills	# (68)	# (69)
2. Braising Pans	# (70)	# (71)
3. Warmer, Food Steam Injected	# (72)	# (73)
4. Hot Plates	# (74)	# (75)
5. Sandwich Toaster	# (76)	# (77)
6. Rotisseries	# (78)	# (79)
7. Corn on Cob Boilers/Cookers	# (7)	# (8)
8. Holding Case For Deep Fried Pies	# (9)	# (10)

22. How many of the following sanitation and maintenance equipment do you have in operating condition at this location? (READ LIST AND RECORD NUMBER. IF NONE RECORD "0".)

<u>Ware-Washers</u>	<u>NUMBER IN OPERATING CONDITION</u>
1. Under Counter	# (11)
2. Door Type	# (12)
3. Rack Conveyor	# (13)
4. Continuous Conveyor, Straight Flight Type	# (14)
5. Continuous Conveyor, Circular Horizontal Plane	# (15)

<u>Glass Washers</u>	<u>NUMBER IN OPERATING CONDITION</u>
1. Automatic, Straight Conveyor	# (16)
2. Automatic, Rotary Conveyor	# (17)
3. Automatic, Door Type	# (18)

<u>Miscellaneous Washers</u>	<u>NUMBER IN OPERATING CONDITION</u>
1. Automatic, Pot & Pan	# (19)
2. Silver	# (20)
3. Scrapping & Pre-Wash Equipment, Overhead Spray	# (21)
4. Laundry Washing Machine	# (22)

<u>Waste Equipment</u>	<u>NUMBER IN OPERATING CONDITION</u>
1. Pulpers, Waste	# (23)
2. Compactors	# (24)
3. Crushers, Can & Bottle	# (25)
4. Disposers, Food Waste, Power	# (26)

<u>Miscellaneous</u>	<u>NUMBER IN OPERATING CONDITION</u>
1. Burnishers, Silver, Stainless Steel, Etc.	# (27)
2. Boosters, Hot Water, Separate Unit	# (28)
3. Exhaust Vent Hoods	# (29)
4. Soiled Tray Conveyor System	# (30)

<u>Spray Washers</u>	<u>NUMBER IN OPERATING CONDITION</u>
1. Kitchen Equipment Spray Washer & Sanitizing Machine - Portable Unit	# (31)
2. Kitchen & Equipment Spray Washer & Sanitizing Machine - Wall Mount	# (32)

<u>Carts</u>	<u>NUMBER IN OPERATING CONDITION</u>
1. Busing	# (33-34)
2. Dishes	# (35-36)
3. Silverware	# (37-38)
4. Tray	# (39-40)
5. Rack	# (41-42)

<u>Racks</u>	<u>NUMBER IN OPERATING CONDITION</u>
1. Dishwasher, Wire	# (43-44)
2. Dishwasher, Plastic	# (45-46)

23. How many of the following holding and service equipment do you have at this location that are in operating condition? (READ LIST AND RECORD NUMBER. IF NONE RECORD "0".)

NUMBER IN
OPERATING
CONDITION

NUMBER IN
OPERATING
CONDITION

Bars - Liquor

1. Portable (Including Dispenser Bars)	# (47)
---	--------

Bars - Salad

1. Mobile	# (48)
2. Stationary	# (49)

Buffet Chafers

Buffet Chafers	# (50)
----------------	--------

Buffet Line

1. Mobile	# (51)
2. Stationary	# (52)

Cafeteria Line

1. Mobile	# (53)
2. Stationary	# (54)

Conveyors

1. Irregular Shape	# (55)
2. Straight	# (56)

Dispenses - Self Leveling Drop-In

1. Dishes	# (57)
2. Racks/Trays	# (58)

Dispensers - Self Leveling; Portable

1. Dishes	# (59)
2. Racks/Trays	# (60)

Dispensers

1. Carbonated Beverages	# (61)
2. Cream	# (62)
3. Hot Chocolate	# (63)
4. Iced Tea	# (64)
5. Juice	# (65)
6. Liquor	# (66)
7. Milk	# (67)
8. Other Non-Carbonated Beverages	# (68)

Food Carriers - Portable

1. Heated	# (69)
2. Unheated	# (70)

Food Holding Cabinets - Stationary

1. Heated	# (71)
2. Unheated	# (72)

Other Holding And Service Equipment

1. Fudge Warmer	# (73)
2. Hot Wells - 12" X 20"	# (74)
3. Ice Pans	# (75)
4. Ice Cream Cabinets	# (76)
5. Nourishment Station (Health Care)	# (77)
6. Shake Machines	# (78)
7. Soda Fountain	# (79)
8. Soft Serve Machines	# (80)
9. Waitress Service Stations	# (7)

5-1
6-4

HAND RESPONDENT CARD E AND SAY:

24. Here is a list of various types of energy, please read to me the letter next to the type that is the primary energy source for the following usages at this location? (READ LIST AND WRITE LETTER NEXT TO EACH USAGE TYPE.)

	<u>Q.24</u> <u>PRIMARY</u>	<u>Q.25</u> <u>SECONDARY</u>	
Cooking	_____ 8-	_____ 14-	NONE []
Heating	_____ 9-	_____ 15-	NONE []
Air Conditioning	_____ 10-	_____ 16-	NONE []
Lighting	_____ 11-	_____ 17-	NONE []
Refrigerator/Freezer	_____ 12-	_____ 18-	NONE []
Others	_____ 13-	_____ 19-	NONE []

25. Now, read to me the letter next to the type that is the secondary energy source for the same usages at this location. (READ LIST AND WRITE LETTER NEXT TO EACH USAGE TYPE OR CHECK "NONE".)

TAKE BACK CARD E

26. Approximately what are your total annual energy costs of all types?

\$ _____ (20-23)

27. What were the total dollars spent in the past 12 months on the following cleaning products? (READ LIST AND WRITE AMOUNT FOR EACH.) PROBE: Just your best estimate will do.

1. Automatic dishwashing detergents	\$ _____ (24-27)	5. Automatic laundry detergents	\$ _____ (40-43)
2. Manual dishwashing detergents	\$ _____ (28-31)	6. Manual laundry detergents	\$ _____ (44-47)
3. Dishwashing rinse additives	\$ _____ (32-35)	7. Laundry cleaning additives, such as breaks, deter- gents, bleaches, sours, softeners, stain removers	\$ _____ (48-51)
4. Chemical sanitizers - bathroom and food equipment	\$ _____ (36-39)	8. Other housekeeping and equipment cleaners	\$ _____ (52-55)

28. In a usual work week, how many people in total, aside from proprietors and/or partners work at this food service operation? (IF NONE, RECORD "0".)

OF WORKERS

40 OR MORE HOURS PER WEEK _____ (56-57)
20-39 HOURS PER WEEK _____ (58-59)
LESS THAN 20 HOURS PER WEEK _____ (60-61)

IF FOOD SERVICE OPERATION HAS BEEN UNDER PRESENT OWNERSHIP FOR ONE YEAR OR MORE, ASK:

29. During the past year, what were your total gross sales for this food service operation (excluding sales tax)?

\$ _____ (62-65)

DON'T KNOW ☐ ASK

REFUSED ☐ Q.30

IF REFUSED/DON'T KNOW IN Q.29, ASK:

30. HAND RESPONDENT CARD F AND SAY: Which one group would you say best describes the total gross sales for this food operation excluding sales tax?

(66-67)

LESS THAN \$10,000 ☐ 01
\$10,000-\$19,999 ☐ 02
\$20,000-\$29,999 ☐ 03
\$30,000-\$49,999 ☐ 04
\$50,000-\$99,999 ☐ 05
\$100,000-\$299,999 ☐ 06
\$300,000-\$499,999 ☐ 07
\$500,000-\$999,999 ☐ 08
\$1,000,000-\$1,999,999 ☐ 09
\$2,000,000-\$4,999,999 ☐ 10
5 MILLION OR MORE ☐ 11

TAKE BACK CARD F

31. What were your gross food sales not including alcoholic beverages during the past year?

(ESTIMATE IF NECESSARY) \$ _____ (68-71)

32. Approximately what were your food costs excluding paper and cleaning supplies as a percentage of gross sales (during the past year)?

(ESTIMATE IF NECESSARY) % _____ (72-73)

33. What was your labor payroll before deductions as a percentage of gross sales (during the past year)?

(ESTIMATE IF NECESSARY) % _____ (74-75)

34. What was your total annual permanent and disposable dinnerware costs as a percentage of gross sales?

(ESTIMATE IF NECESSARY) % _____ (76-77)

IF FOOD SERVICE OPERATION HAS BEEN UNDER PRESENT OWNERSHIP FOR LESS THAN ONE YEAR, ASK:

29. Could you estimate, based on the time you have been in business, what your annual gross sales for this food service operation would be (excluding sales tax)?

\$ _____ (62-65)

DON'T KNOW ☐ ASK

REFUSED ☐ Q.30

IF REFUSED/DON'T KNOW IN Q.29, ASK:

30. HAND RESPONDENT CARD F AND SAY: Which one group would you say best describes the total gross sales for this food operation excluding sales tax?

(66-67)

LESS THAN \$10,000 ☐ 01
\$10,000-\$19,999 ☐ 02
\$20,000-\$29,999 ☐ 03
\$30,000-\$49,999 ☐ 04
\$50,000-\$99,999 ☐ 05
\$100,000-\$299,999 ☐ 06
\$300,000-\$499,999 ☐ 07
\$500,000-\$999,999 ☐ 08
\$1,000,000-\$1,999,999 ☐ 09
\$2,000,000-\$4,999,999 ☐ 10
5 MILLION OR MORE ☐ 11

TAKE BACK CARD F

31. What were your gross food sales not including alcoholic beverages during the past year?

(ESTIMATE IF NECESSARY) \$ _____ (68-71)

32. Approximately what were your food costs excluding paper and cleaning supplies as a percentage of gross sales (during the past year)?

(ESTIMATE IF NECESSARY) % _____ (72-73)

33. What was your labor payroll before deductions as a percentage of gross sales (during the past year)?

(ESTIMATE IF NECESSARY) % _____ (74-75)

34. What was your total annual permanent and disposable dinnerware costs as a percentage of gross sales?

(ESTIMATE IF NECESSARY) % _____ (76-77)

***INSTRUCTIONS**

A. *Type of buying unit, i.e.: Pounds, Gallons, Quarts, Pints, Ounces, Cases, Boxes, other.*

B. *Type of smallest container, i.e.: Cans, Jars, Boxes, Bottles, Portion Control/Individual Package, other.*

C. *Weight/Size of smallest container/package, i.e.: Pounds, Gallons, Quarts, Pints, Ounces, other.*

When item is received in cans, enter can size, i.e.: #303, #10, etc.

APPENDIX TABLES

TABLE 1 -- ESTABLISHMENTS WITH FOOD SERVICE, BY KIND AND SIZE OF BUSINESS, 1979

KIND OF BUSINESS	SIZE OF BUSINESS										TOTAL
	LESS THAN \$40,000	\$40,000-\$99,999	\$100,000-\$199,999	\$200,000-\$349,999	\$350,000-\$599,999	\$600,000-\$1,249,999	\$1,250,000-\$1,999,999	\$2,000,000-\$3,499,999	\$3,500,000-\$5,999,999	\$6,000,000-\$12,499,999	
SEPARATE EATING PLACE	45,032	58,419	41,225	39,395	21,520	21,566	3,852				231,018
SEPARATE DRINKING PLACE	18,285	8,600	1,430	1,882	717	384	---				31,307
RETAIL STORES	4,705	3,801	2,433	498	804	288	116				12,647
HOTELS, MOTELS, OR TOURIST COURTS	1,879	4,097	2,670	1,736	2,159	1,324	470				14,353
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	4,381	3,101	907	897	167	113	---				9,566
RECREATION OR AMUSEMENT PLACES	9,650	6,491	2,424	2,040	1,074	340	414				22,441
OTHER PUBLIC OUTLETS	2,172	2,550	1,552	449	1,390	1,134	119				9,366
TOTAL PUBLIC	86,104	87,059	52,650	46,897	27,840	25,157	4,082				337,698
PRIVATE HOSPITALS	157	744	392	1,297	456	522	533				4,171
PUBLIC HOSPITALS	352	689	296	479	292	177	802				3,187
RESIDENTIAL CARE FACILITIES	3,630	5,131	2,045	1,209	947	379	246				13,587
NURSING AND PERSONAL CARE FACILITIES	3,482	6,443	4,244	3,420	633	829	94				19,145
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	508	1,068	440	752	321	292	338				3,728
OTHER INSTITUTIONAL FACILITIES	1,402	529	352	494	530	154	---				3,461
TOTAL INSTITUTIONAL	9,531	14,604	7,770	7,651	3,179	2,353	2,113				47,209
TOTAL	95,635	101,663	60,437	54,548	31,019	27,510	7,095				377,907

--- = NOT AVAILABLE.

TABLE 2 -- ESTABLISHMENTS WITH FOOD SERVICE, BY FIRM SIZE AND PRIMARY TYPE OF FOOD SERVICE, 1979

FIRM SIZE	PRIMARY TYPE OF FOOD SERVICE										
	WITH WAITER-WAITRESS					COUNTER SERVICE					
	TABLE- BOOTH	EAT AT COUNTER	EAT ELSEWHERE	IN: CARRYOUT, OR DELIVERY	CAFETERIA	ROOM SERVICE	OTHER	TOTAL			
1 UNIT	141,297	34,603	35,451	33,019	12,799	6,789	5,441	269,399			
2-3 UNITS	17,096	1,457	8,318	6,290	4,668	2,201	797	40,827			
4-10 UNITS	8,398	147	6,611	3,020	2,490	1,012	148	21,826			
11-50 UNITS	7,504	683	4,303	1,886	3,903	854	560	19,693			
51-249 UNITS	3,970	593	2,181	934	1,889	748	51	10,355			
250 OR MORE UNITS	5,286	643	5,399	2,318	1,699	143	308	15,796			
TOTAL	183,551	38,126	62,263	47,467	27,448	11,747	7,305	377,907			

TABLE 3 -- ESTABLISHMENTS WITH FOOD SERVICE ASSOCIATED WITH A FRANCHISE FIRM,
BY PRIMARY TYPE OF FOOD SERVICE, 1979

PRIMARY TYPE OF FOOD SERVICE	ASSOCIATED WITH A FRANCHISE FIRM		NOT ASSOCIATED WITH A FRANCHISE FIRM		TOTAL
	FRANCHISOR OWNED	FRANCHISEE OWNED	FRANCHISOR OWNED	FRANCHISEE OWNED	
WAITER-WAITRESS SERVICE	13,111	13,197	195,369	221,677	
TABLE-BOOTH	12,102	11,198	160,251	183,551	
EAT AT COUNTER	1,009	1,999	35,118	38,126	
COUNTER PURCHASE, EAT ELSEWHERE IN ESTABLISHMENT	11,890	12,846	37,527	62,263	
DRIVE UP WINDOW, CARRY OUT OR DELIVERY	5,350	10,550	31,567	47,467	
CAFETERIA	2,870	1,195	23,383	27,448	
ROOM SERVICE	178	126	11,443	11,747	
OTHER	---	138	7,167	7,305	
TOTAL	33,399	38,052	306,456	377,907	

--- = NOT AVAILABLE.

TABLE 4 -- ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS
AND YEARS IN OPERATION, 1979

KIND OF BUSINESS	YEARS IN OPERATION				TOTAL
	LESS THAN 1	1-2	3-4	5 OR MORE	
SEPARATE EATING PLACE	5,379	34,212	39,112	152,315	231,018
SEPARATE DRINKING PLACE	1,346	3,794	4,885	21,282	31,307
RETAIL STORES	51	661	1,430	10,505	12,647
HOTELS, MOTELS, OR TOURIST COURTS	460	3,147	661	10,085	14,353
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	450	826	978	7,312	9,566
RECREATION OR AMUSEMENT PLACES	306	3,423	2,141	16,571	22,441
OTHER PUBLIC OUTLETS	---	1,666	1,461	6,239	9,366
TOTAL PUBLIC	7,992	47,729	50,668	224,309	330,698
PRIVATE HOSPITALS	290	444	561	2,806	4,101
PUBLIC HOSPITALS	41	196	104	2,846	3,187
RESIDENTIAL CARE FACILITIES	439	899	669	11,580	13,587
NURSING AND PERSONAL CARE: FACILITIES	505	1,531	668	16,441	19,145
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	50	409	316	2,953	3,728
OTHER INSTITUTIONAL FACILITIES	439	284	328	2,410	3,461
TOTAL INSTITUTIONAL	1,764	3,763	2,646	39,036	47,209
TOTAL	9,756	51,492	53,314	263,345	377,907

--- = NOT AVAILABLE.

TABLE 5 -- ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS AND WEEKS PER YEAR IN OPERATION, 1979

KIND OF BUSINESS	WEEKS PER YEAR			TOTAL
	1-39	40-51	52	
SEPARATE EATING PLACE	14,355	10,902	18,853	231,018
SEPARATE DRINKING PLACE	324	820	3,266	31,307
RETAIL STORES	115	97	1,401	12,647
HOTELS, MOTELS, OR TOURIST COURTS	2,732	---	---	14,353
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	642	160	909	9,566
RECREATION OR AMUSEMENT PLACES	2,992	1,878	748	22,441
OTHER PUBLIC OUTLETS	---	160	211	9,366
TOTAL PUBLIC	21,160	14,017	25,388	330,698
PRIVATE HOSPITALS	---	---	---	4,101
PUBLIC HOSPITALS	---	---	---	3,187
RESIDENTIAL CARE FACILITIES	61	315	---	13,587
NURSING AND PERSONAL CARE FACILITIES	---	---	---	19,145
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	1,266	853	320	3,728
OTHER INSTITUTIONAL FACILITIES	102	---	354	3,461
TOTAL INSTITUTIONAL	1,429	1,168	674	47,209
TOTAL	22,589	15,185	26,062	377,907

--- = NOT AVAILABLE.

TABLE 6 -- ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS AND MENU SPECIALITY, 1979

KIND OF BUSINESS	MENU SPECIALITY						
	VARIED AMERICAN PLATE MEALS	ITALIAN FOODS	MEXICAN FOODS	STEAKS, CHOPS, ROAST BEEF	SEA- FOOD	CHICKEN OR TURKEY	
SEPARATE EATING PLACE	72,739	9,602	9,795	14,765	11,397	8,222	
SEPARATE DRINKING PLACE	6,301	1,315	586	---	764	1,012	
RETAIL STORES	6,297	---	---	---	---	---	
HOTELS, MOTELS, OR TOURIST COURTS	11,123	---	---	499	69	169	
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	4,936	132	344	668	674	91	
RECREATION OR AMUSEMENT PLACES	6,860	---	---	478	173	---	
OTHER PUBLIC OUTLETS	6,319	---	---	135	---	---	
TOTAL PUBLIC	114,575	11,049	10,725	16,545	13,079	9,494	
PRIVATE HOSPITALS	3,942	---	---	---	---	---	
PUBLIC HOSPITALS	3,054	99	---	---	---	---	
RESIDENTIAL CARE FACILITIES	13,193	144	---	---	---	---	
NURSING AND PERSONAL CARE FACILITIES	18,212	82	---	---	---	---	
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	3,053	---	33	157	---	---	
OTHER INSTITUTIONAL FACILITIES	2,965	---	---	---	---	---	
TOTAL INSTITUTIONAL	44,419	325	33	157	---	---	
TOTAL	158,994	11,374	10,758	16,702	13,079	9,494	

CONTINUED --

TABLE 6 -- ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS AND MENU SPECIALITY, 1979--CONTINUED

KIND OF BUSINESS	MENU SPECIALITY					TOTAL
	PIZZA	HAMBURGER, HOT DOGS	SANDWICHES	ICE CREAM, DONUTS, PASTRY	OTHER	
SEPARATE EATING PLACE	16,705	35,576	21,598	16,766	13,853	231,018
SEPARATE DRINKING PLACE	1,202	7,082	12,060	811	174	31,307
RETAIL STORES	310	1,766	2,698	1,576	---	12,547
HOTELS, MOTELS, OR TOURIST COURTS	170	756	699	---	868	14,353
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	160	446	1,646	189	278	9,566
RECREATION OR AMUSEMENT PLACES	787	6,982	6,852	196	113	22,441
OTHER PUBLIC OUTLETS	---	902	1,766	---	244	9,366
TOTAL PUBLIC	19,334	53,510	47,319	19,538	15,530	330,698
PRIVATE HOSPITALS	---	---	33	---	126	4,101
PUBLIC HOSPITALS	---	---	---	---	34	3,187
RESIDENTIAL CARE FACILITIES	---	---	250	---	---	13,587
NURSING AND PERSONAL CARE FACILITIES	---	---	107	---	744	19,145
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	---	321	129	---	35	3,728
OTHER INSTITUTIONAL FACILITIES	---	173	323	---	---	3,461
TOTAL INSTITUTIONAL	---	494	842	---	939	47,209
TOTAL	19,334	54,004	48,161	19,538	16,469	377,907

--- = NOT AVAILABLE.

TABLE 7 -- ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS AND TYPES OF MEALS SERVED, 1979

KIND OF BUSINESS	TYPES OF MEALS			
	BREAKFAST	LUNCH	DINNER	SNACKS
SEPARATE EATING PLACE	100,520	205,340	194,546	176,744
SEPARATE DRINKING PLACE	6,616	20,683	16,304	28,376
RETAIL STORES	8,284	11,595	5,990	11,669
HOTELS, MOTELS, OR TOURIST COURTS	12,016	13,486	12,795	10,205
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	2,585	6,177	6,884	6,083
RECREATION OR AMUSEMENT PLACES	9,877	17,387	13,296	20,031
OTHER PUBLIC OUTLETS	7,464	8,738	4,096	7,663
TOTAL PUBLIC	147,362	283,406	253,911	260,771
PRIVATE HOSPITALS	4,065	4,022	4,028	3,837
PUBLIC HOSPITALS	3,187	3,187	3,187	2,967
RESIDENTIAL CARE FACILITIES	12,526	12,884	12,608	11,131
NURSING AND PERSONAL CARE FACILITIES	19,145	19,145	18,949	18,593
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	3,101	3,717	2,500	2,840
OTHER INSTITUTIONAL FACILITIES	2,343	3,180	2,184	1,958
TOTAL INSTITUTIONAL	44,367	46,135	43,456	41,326
TOTAL	191,729	329,541	297,367	302,097

TABLE 8 -- ESTABLISHMENTS WITH FOOD SERVICE THAT ARE OPERATED BY OWNERS AND OTHER HELPERS, BY KIND OF BUSINESS, 1979

KIND OF BUSINESS	OPERATED BY		
	OWNERS ONLY	OTHER HELP	TOTAL
SEPARATE EATING PLACE	26,579	204,439	231,018
SEPARATE DRINKING PLACE	7,414	23,893	31,307
RETAIL STORES	1,048	11,599	12,647
HOTELS, MOTELS, OR TOURIST COURTS	2,421	11,932	14,353
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	1,417	8,149	9,566
RECREATION OR AMUSEMENT PLACES	4,739	17,702	22,441
OTHER PUBLIC OUTLETS	1,481	7,885	9,366
TOTAL PUBLIC	45,099	285,599	330,698
PRIVATE HOSPITALS			
PUBLIC HOSPITALS	262	3,839	4,101
RESIDENTIAL CARE FACILITIES	577	2,610	3,187
NURSING AND PERSONAL CARE FACILITIES	2,415	11,171	13,587
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	2,917	16,228	19,145
OTHER INSTITUTIONAL FACILITIES			
	494	3,234	3,728
	204	3,257	3,461
TOTAL INSTITUTIONAL	6,870	40,339	47,209
TOTAL	51,969	325,938	377,907

TABLE 9 -- ANNUAL MEAL AND SNACK SALES AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND AND SIZE OF BUSINESS, 1979
(THOUSANDS)

KIND OF BUSINESS	SIZE OF BUSINESS										TOTAL
	LESS THAN \$40,000	\$40,000- \$99,999	\$100,000- \$199,999	\$200,000- \$349,999	\$350,000- \$599,999	\$600,000- \$1,249,999	\$1,250,000 OR MORE				
SEPARATE EATING PLACE	1,112,993	3,747,744	5,851,223	10,518,359	9,791,810	18,251,768	9,107,894	58,381,791			
SEPARATE DRINKING PLACE	319,827	511,769	195,646	532,002	308,311	309,373	---	2,176,922			
RETAIL STORES	94,132	221,468	355,986	133,024	352,447	269,265	334,648	1,760,964			
HOTELS, MOTELS, OR TOURIST COURTS	42,393	242,133	354,954	485,729	898,100	1,150,280	859,577	4,033,166			
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	96,564	209,062	123,757	248,474	79,826	97,632	---	855,315			
RECREATION OR AMUSEMENT PLACES	189,258	354,372	338,228	576,719	508,281	340,964	1,689,452	3,997,274			
OTHER PUBLIC OUTLETS	49,316	170,604	239,858	115,836	733,247	912,269	179,095	2,400,225			
TOTAL PUBLIC	1,904,483	5,457,152	7,459,640	12,610,143	12,672,022	21,331,551	12,170,566	73,635,657			
PRIVATE HOSPITALS	2,917	69,781	52,575	428,831	315,421	564,369	1,118,267	2,552,161			
PUBLIC HOSPITALS	5,165	69,130	45,450	145,625	111,294	103,407	1,370,461	1,850,532			
RESIDENTIAL CARE FACILITIES	81,397	307,730	283,288	337,017	404,045	433,721	747,528	2,594,726			
NURSING AND PERSONAL CARE FACILITIES	91,786	367,250	607,433	861,200	289,095	724,429	263,670	3,204,863			
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	29,604	97,952	108,516	151,968	122,375	317,316	448,672	1,276,403			
OTHER INSTITUTIONAL FACILITIES	35,503	34,056	48,663	124,418	213,256	168,476	---	624,372			
TOTAL INSTITUTIONAL	246,372	945,899	1,145,925	2,049,050	1,455,486	2,311,718	3,948,598	12,103,057			
TOTAL	2,150,855	6,403,051	8,605,565	14,659,292	14,127,508	23,643,269	16,119,264	85,709,714			

--- = NOT AVAILABLE.

TABLE 10 -- ANNUAL MEAL AND SNACK SALES AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRIMARY TYPE OF FOOD SERVICE
AND SIZE OF BUSINESS, 1979
(THOUSANDS)

PRIMARY TYPE OF FOOD SERVICE	SIZE OF BUSINESS							TOTAL
	LESS THAN \$40,000	\$40,000- \$99,999	\$100,000- \$199,999	\$200,000- \$349,999	\$350,000- \$599,999	\$600,000- \$1,249,999	\$1,250,000- OR MORE	
WITH WAITER-WAITRESS SERVICE	1,398,976	3,731,373	4,896,524	8,459,093	8,857,677	11,706,086	6,337,842	45,387,571
TABLE-BOOTH	1,044,799	3,004,796	4,489,282	7,684,910	8,050,283	10,373,357	6,003,194	40,650,622
EAT AT COUNTER	354,177	726,577	407,241	774,183	807,394	1,332,729	334,648	4,736,949
COUNTER PURCHASE, EAT E-SEWHERE IN		918,509	1,392,472	2,082,317	2,532,394	6,413,213	1,748,622	15,393,505
ESTABLISHMENT	305,978							
DRIVE UP WINDOW, CARRY OUT OR DELIVERY	216,859	868,616	1,192,930	2,238,707	1,355,572	2,615,859	653,574	9,142,117
CAFETERIA	156,026	535,596	590,390	901,762	904,980	2,040,814	4,294,299	9,423,867
ROOM SERVICE	33,286	203,526	369,726	838,217	360,594	698,481	1,200,496	3,704,330
OTHER	39,730	145,431	163,523	139,106	116,287	168,816	1,884,431	2,657,324
TOTAL	2,150,855	6,403,051	8,605,565	14,659,202	14,127,508	23,643,269	16,119,264	85,708,714

TABLE 11 -- ANNUAL MEAL AND SNACK SALES AT ESTABLISHMENTS WITH FOOD SERVICE, BY FIRM SIZE AND SIZE OF BUSINESS, 1979
(THOUSANDS)

FIRM SIZE	SIZE OF BUSINESS							
	LESS THAN \$40,000	\$40,000- \$99,999	\$100,000- \$199,999	\$200,000- \$349,999	\$350,000- \$599,999	\$600,000- \$1,249,999	\$1,250,000- OR MORE	TOTAL
1 UNIT	1,765,620	5,057,249	6,227,397	9,373,482	7,280,044	8,803,964	5,634,653	44,142,409
2-3 UNITS	212,369	700,918	662,407	2,337,683	1,858,207	3,645,191	1,578,350	10,995,125
4-10 UNITS	64,094	357,489	591,991	713,209	1,072,107	3,221,253	1,604,182	7,624,325
11-50 UNITS	57,176	93,618	503,401	835,587	1,356,045	3,450,273	4,846,838	11,142,938
51-249 UNITS	37,999	89,623	254,618	583,333	782,351	1,153,979	689,434	3,591,337
250 OR MORE UNITS	13,597	104,154	365,751	815,908	1,778,754	3,368,609	1,765,807	8,212,580
TOTAL	2,150,855	6,403,051	8,605,565	14,659,202	14,127,508	23,643,269	16,119,264	85,708,714

TABLE 12 -- ANNUAL MEAL AND SNACK SALES AT ESTABLISHMENTS WITH FOOD SERVICE
ASSOCIATED WITH A FRANCHISE FIRM, BY PRIMARY TYPE OF FOOD SERVICE, 1979
(THOUSANDS)

PRIMARY TYPE OF FOOD SERVICE	ASSOCIATED WITH A FRANCHISE FIRM		NOT ASSOCIATED WITH A FRANCHISE FIRM		TOTAL
	FRANCHISOR : OWNED	FRANCHISEE : OWNED	FRANCHISOR : OWNED	FRANCHISEE : OWNED	
WITH WAITER-WAITRESS SERVICE	5,331,968	5,373,920	34,681,683	45,387,571	
TABLE-BOOTH	4,760,500	4,565,788	31,324,334	40,650,622	
EAT AT COUNTER	571,468	808,132	3,357,349	4,736,949	
COUNTER PURCHASE, EAT ELSEWHERE IN	5,287,902	5,340,066	4,765,537	15,393,505	
ESTABLISHMENT	1,496,931	3,454,543	4,190,643	9,142,117	
DRIVE UP WINDOW, CARRY OUT OR DELIVERY	1,190,049	322,251	7,911,567	9,423,867	
CAFETERIA	18,512	144,613	3,541,205	3,704,330	
ROOM SERVICE	---	37,036	2,620,288	2,657,324	
OTHER					
TOTAL	13,325,362	14,672,429	57,710,923	85,708,714	

--- = NOT AVAILABLE.

TABLE 13 -- ANNUAL MEAL AND SNACK SALES AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS AND YEARS IN OPERATION, 1979
(THOUSANDS)

KIND OF BUSINESS	YEARS IN OPERATION					TOTAL
	LESS THAN 1	1-2	3-4	5 OR MORE		
SEPARATE EATING PLACE	1,212,878	5,456,978	8,266,080	43,445,855		58,381,791
SEPARATE DRINKING PLACE	58,294	173,836	245,079	1,699,713		2,176,922
RETAIL STORES	15,453	172,203	300,629	1,272,679		1,760,964
HOTELS, MOTELS, OR TOURIST COURTS	302,567	601,930	180,248	2,948,421		4,033,166
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	38,930	141,067	60,103	615,215		855,315
RECREATION OR AMUSEMENT PLACES	7,617	171,558	330,218	3,487,881		3,997,274
OTHER PUBLIC OUTLETS	---	188,563	358,269	1,853,393		2,400,225
TOTAL PUBLIC	1,635,739	6,906,135	9,740,626	55,323,157		73,605,657
PRIVATE HOSPITALS	29,783	93,967	201,569	2,226,842		2,552,161
PUBLIC HOSPITALS	38,480	27,612	61,556	1,722,884		1,850,532
RESIDENTIAL CARE FACILITIES	162,720	869,769	67,666	1,494,571		2,594,726
NURSING AND PERSONAL CARE: FACILITIES	25,235	130,475	51,534	2,997,619		3,204,863
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	7,632	99,761	87,001	1,082,009		1,276,403
OTHER INSTITUTIONAL FACILITIES	9,219	83,554	10,144	521,455		624,372
TOTAL INSTITUTIONAL	273,069	1,305,138	479,470	10,045,380		12,103,057
TOTAL	1,908,808	8,211,273	10,220,096	65,368,537		85,708,714

--- = NOT AVAILABLE.

TABLE 14 -- ANNUAL MEAL AND SNACK SALES AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS AND MENU SPECIALITY, 1979
(THOUSANDS)

KIND OF BUSINESS	MENU SPECIALITY						CHICKEN OR TURKEY
	VARIED AMERICAN PLATE MEALS	ITALIAN FOODS	MEXICAN FOODS	STEAKS, CHOPS, ROAST BEEF	SEA- FOOD		
SEPARATE EATING PLACE	19,784,622	1,496,593	1,818,012	4,414,806	5,323,719		2,111,489
SEPARATE DRINKING PLACE	503,135	269,183	54,592	---	181,004		60,784
RETAIL STORES	714,715	---	---	---	---		---
HOTELS, MOTELS, OR TOURIST COURTS	3,383,376	---	---	203,133	4,968		2,197
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	485,268	792	3,096	49,216	79,644		7,280
RECREATION OR AMUSEMENT PLACES	2,740,498	---	---	77,792	6,574		---
OTHER PUBLIC OUTLETS	1,929,515	---	---	24,975	---		---
TOTAL PUBLIC	29,541,129	1,766,568	1,875,700	4,769,922	5,595,909		2,181,750
PRIVATE HOSPITALS	2,437,172	---	---	---	---		---
PUBLIC HOSPITALS	1,773,360	35,880	---	---	---		---
RESIDENTIAL CARE FACILITIES	2,580,958	6,768	---	---	---		---
NURSING AND PERSONAL CARE FACILITIES	3,103,450	6,724	---	---	---		---
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	1,158,274	---	7,491	23,342	---		---
OTHER INSTITUTIONAL FACILITIES	563,980	---	---	---	---		---
TOTAL INSTITUTIONAL	11,617,194	49,372	7,491	23,342	---		---
TOTAL	41,158,323	1,815,940	1,883,191	4,793,264	5,595,909		2,181,750

CONTINUED --

TABLE 14 -- ANNUAL MEAL AND SNACK SALES AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS AND MENU SPECIALITY, 1970--CONTINUED
(THOUSANDS)

KIND OF BUSINESS	MENU SPECIALITY					
	PIZZA	HAMBURGER, HOT DOGS	SANDWICHES	ICE CREAM, DONUTS, PASTRY	OTHER	TOTAL
SEPARATE EATING PLACE	3,014,197	11,667,625	3,076,005	3,058,914	2,615,809	58,381,791
SEPARATE DRINKING PLACE	30,372	351,681	634,053	88,638	3,480	2,176,922
RETAIL STORES	16,740	463,989	450,033	115,487	---	1,760,964
HOTELS, MOTELS, OR TOURIST COURTS	850	60,440	36,385	---	341,777	4,033,166
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	3,360	25,411	194,835	1,701	4,712	855,315
RECREATION OR AMUSEMENT PLACES	54,905	660,437	444,304	3,724	9,040	3,997,274
OTHER PUBLIC OUTLETS	---	72,349	271,578	---	101,808	2,400,225
TOTAL PUBLIC	3,120,424	13,301,972	5,107,193	3,268,464	3,076,626	73,605,657
PRIVATE HOSPITALS	---	---	3,136	---	111,853	2,552,161
PUBLIC HOSPITALS	---	---	---	---	41,292	1,850,532
RESIDENTIAL CARE FACILITIES	---	---	7,000	---	---	2,594,726
NURSING AND PERSONAL CARE FACILITIES	---	---	58,529	---	36,160	3,204,863
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	---	54,577	29,263	---	3,456	1,276,403
OTHER INSTITUTIONAL FACILITIES	---	6,574	53,818	---	---	624,372
TOTAL INSTITUTIONAL	---	61,151	151,746	---	192,761	12,103,057
TOTAL	3,120,424	13,363,123	5,258,939	3,268,464	3,269,387	85,708,714

--- = NOT AVAILABLE.

Table 15--Quantity of Foods Received at Establishments
with Food Service*
(Thousands of Pounds)

Product Category	1979 Total	1969 Total	Percent change
Dairy Products and Ices	8099733.4	7013964.4	15.5
Fluid Milk	4934596.1	4307522.7	14.6
Canned Milk	5671.6	26235.8	-78.4
Dry Milk	57266.0	26439.8	116.6
Cream	828576.4	482631.5	71.7
Cheese	1546201.1	459161.3	236.7
Other	727422.2	1711973.3	-57.5
Fats and Oils	2895441.6	1796981.6	61.1
Table Fats	532388.2	428926.6	24.1
Shortening and Oil	1736951.8	908269.2	91.2
Mayonnaise and Salad dressings	626101.6	450470.4	39.0
Other	---	9315.4	-100.0
Flour and Cereal	2592262.8	1159214.0	123.6
Breakfast Cereal	125849.6	59458.6	111.7
Rice	122806.6	91170.2	34.7
Dry Pastes	190440.0	107094.2	77.8
Other	2153166.6	901491.0	138.8
Bakery Products	6207205.7	3538113.4	75.4
Bread	1822337.1	1076290.0	69.3
Misc. Bread type Prod.	116711.2	55960.1	108.6
Rolls, Buns, and Muffins	2231501.0	1574767.8	41.7

Continued--

Table 15--Quantity of Foods Received at Establishments
with Food Service*
(Thousands of Pounds)

Product Category	1979 Total	1969 Total	Percent change
Bakery Products (Continued)			
Crackers, Unsweetened	611778.4	104316.8	486.5
Cookies and Sweet Crackers	176228.0	63243.1	178.7
Pastry, Danish, and Doughnuts	442512.2	226637.9	95.3
Pies	318414.5	345217.0	- 7.8
Cakes	52891.9	76074.8	-30.5
Other	434831.4	15605.9	96.4
Beef and Veal	3477329.2	3334818.0	4.3
Pork	1191670.0	1042381.1	14.3
Lamb	55146.3	53888.6	2.3
Variety Meats	88455.8	55844.9	58.4
Liver	75960.7	45725.0	66.1
Other	12495.1	10119.9	23.5
Meat Products	535798.0	333045.9	60.9
Other meats	1302.1	98.6	1220.6
Poultry and Eggs	2692205.8	1951088.7	38.0
Chicken	1085178.8	998446.9	8.7
Broilers and Fryers	435063.4	855038.4	-49.1
Roasters and Stewers	23426.6	43235.5	-45.8
Chicken Parts	577969.0	94255.9	513.2
Other	48719.8	5917.1	723.4
Turkey	241192.2	166192.6	45.1
			Continued--

Table 15--Quantity of Foods Received at Establishments
with Food Service*
(Thousands of Pounds)

Product Category	1979 Total	1969 Total	Percent change
Eggs	1329548.9	755426.5	76.0
In shell	1296248.7	709740.3	82.6
Other	33300.2	45686.2	-27.1
Other Poultry and Fowl	36285.9	31022.7	17.0
Fish and Shellfish	998712.2	1001583.5	- .3
Shellfish	385308.2	472786.1	-18.5
Shrimp	176027.9	177105.8	- .6
Oysters	22353.9	40594.9	-44.9
Clams	54112.1	95957.5	-43.6
Crabs	48170.7	41021.0	17.4
Lobster and Crayfish	49486.3	86292.8	-42.7
Scallops	35157.3	24696.2	42.4
Other	---	7117.9	-100.0
Other Seafood	613404.0	528797.4	16.0
Sugars and Sweets	3050154.1	2508724.3	21.6
Sugar	432006.7	584765.0	-26.1
Table Syrups or Honey	149802.0	87032.2	72.1
Jellies or Jams	206718.1	89189.1	131.8
Candy	45244.8	147516.0	-69.3
Other	2216382.5	1600222.0	38.5
Vegetables	9117891.7	6639206.5	37.3
Potatoes, White	2362632.4	2797293.3	-15.5
Potatoes, Sweet	131552.4	46836.8	180.9

Continued--

**Table 15--Quantity of Foods Received at Establishments
with Food Service*
(Thousands of Pounds)**

Product Category	:	1979 Total	:	1969 Total	:	Percent change
<hr/>						
Vegetables (Continued)	:		:		:	
Tomatoes	:	696684.3	:	795864.3	:	-12.5
Lettuce	:	857131.6	:	729690.7	:	17.5
Parsley	:	40808.7	:	6834.1	:	497.1
Celery	:	79347.8	:	120697.5	:	-34.3
Carrots	:	566918.3	:	151469.3	:	274.3
Beets	:	112052.5	:	33837.8	:	231.1
Radishes	:	30980.6	:	33452.8	:	- 7.4
Onions	:	394673.6	:	460325.9	:	-14.3
Peas	:	554616.9	:	127843.8	:	333.8
Peppers	:	112632.5	:	76580.9	:	47.1
Beans	:	847363.2	:	365205.9	:	132.0
Cabbage or Sauerkraut	:	678154.9	:	359276.1	:	88.8
Asparagus	:	24481.9	:	25886.8	:	- 5.4
Broccoli	:	202804.7	:	25686.6	:	689.5
Brussel Sprouts	:	6918.8	:	4892.5	:	41.4
Cauliflower	:	25737.3	:	16156.4	:	59.3
Cucumbers	:	86579.1	:	22667.1	:	282.0
Eggplant	:	9463.1	:	15642.2	:	-39.5
Endive	:	2565.9	:	5166.2	:	-50.3
Mushrooms	:	176700.4	:	30017.2	:	488.7
Okra	:	21644.3	:	6134.3	:	252.8
<hr/>						

Continued--

Table 15--Quantity of Foods Received at Establishments
with Food Service*
(Thousands of Pounds)

Product Category	1979 Total	1969 Total	Percent change
Vegetables (Continued)			
Pimentos	6576.6	4547.2	44.6
Corn	387383.4	144984.6	167.2
Spinach	52303.8	40999.6	27.6
Greens	27981.9	26513.4	5.5
Vegetables, Mixed	96244.9	43006.7	123.8
Other	524955.9	121696.5	331.4
Fruits	1939603.4	1325121.3	46.4
Lemons	285143.5	111933.7	154.7
Limes	21579.0	10068.9	114.3
Oranges	123609.3	113037.9	9.4
Grapefruit	37849.3	38578.3	-1.9
Apples	204756.1	113918.3	79.7
Applesauce	120630.0	61519.7	96.1
Bananas	88664.0	97269.7	-8.8
Pears	107789.3	47852.3	125.3
Apricots	30602.9	19499.3	56.9
Cherries	23352.3	21974.4	6.3
Peaches	158167.5	107211.5	47.5
Pineapples	163943.9	74359.4	120.5
Plums	21257.2	10663.3	99.3
			Continued--

**Table 15--Quantity of Foods Received at Establishments
with Food Service*
(Thousands of Pounds)**

Product Category	1979 Total	1969 Total	Percent change
Fruits (Continued)			
Cranberries	17044.8	12451.0	36.9
Strawberries	68061.6	37846.6	79.8
Fruit Pie Filling	141022.5	55095.1	156.0
Other	326130.2	391841.9	-16.8
Juices, Ades and Drinks	540001.5	785652.5	-31.3
Orange Juice	194041.4	267194.4	-27.4
Grapefruit Juice	35437.9	77259.3	-54.1
Apple Juice	33087.3	34580.4	- 4.3
Pineapple Juice	22788.7	37752.2	-39.6
Prune Juice	22995.4	19783.1	16.2
Grape Juice	14387.9	14337.5	.4
Tomato Juice	51783.0	147904.7	-65.0
Cranberry Cocktail	28791.8	10626.4	170.9
Other	136688.1	176214.5	-22.4
Beverages	1661897.7	2621336.5	-36.6
Coffee	382157.1	451244.0	-15.3
Bean or Ground	261252.1	422092.1	-38.1
Instant	115176.2	8521.6	1251.6
Other	5728.8	20630.3	-72.2
Tea	64639.1	27582.9	134.3
Cocoa	81621.6	80307.7	1.6
Other	1133479.9	2062201.9	-45.0
			Continued--

**Table 15--Quantity of Foods Received at Establishments
with Food Service*
(Thousands of Pounds)**

Product Category	1979 Total	1969 Total	Percent change
Soups, Gravies and Sauces	648503.8	453733.2	42.9
Soup	298926.9	308697.8	-3.2
Soup Bases or Boullion	92603.8	18083.6	412.1
Sauces and Gravies	256973.2	126951.8	102.4
Prepared Foods	555594.8	348156.3	59.6
Sandwiches	63654.3	25609.5	148.6
Other	491940.5	322546.8	52.5
Nuts and Snacks	714476.9	214424.6	233.2
Peanuts	21936.0	27519.3	-20.3
Peanut Butter	29964.9	6448.7	364.7
Nuts	13678.1	39911.7	-65.7
Potato Chips or Sticks	379772.9	97852.0	288.1
Other	269125.0	42692.9	530.4
Condiments and Seasonings	2177345.6	1062424.2	104.9
Tomato Catsup	606679.7	358987.9	69.0
Mustard	167016.9	91233.8	83.1
Vinegar	39663.1	57845.3	31.4
Horseradish	6825.4	3482.4	96.0
Pickles	390810.7	328733.0	18.9
Relish	80103.6	55442.0	44.5
Olives	100185.9	37097.7	170.1
Other	786060.3	129602.1	506.5
Total	49240732.4	37239802.1	35.6

* Estimates are provided for foods where product classifications in 1969 and 1979 are reasonably comparable.

TABLE 16 -- QUANTITY AND PERCENT DISTRIBUTION OF FOODS RECEIVED AT
ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS, 1979
(THOUSANDS)

KIND OF BUSINESS	FOODS RECEIVED	
	POUNDS	PERCENT DISTRIBUTION
SEPARATE EATING PLACE	29,008,626	58.9
SEPARATE DRINKING PLACE	1,535,304	3.1
RETAIL STORES	1,301,777	2.6
HOTELS, MOTELS, OR TOURIST COURTS	2,214,495	4.5
RECREATION, CIVIC OR SOCIAL ASSOCIATIONS	2,625,901	5.3
OTHER PUBLIC OUTLETS	943,613	1.9
TOTAL PUBLIC	37,629,716	76.4
HOSPITALS	3,188,378	6.5
NURSING OR CARE FACILITIES	6,393,350	13.0
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	1,748,890	3.6
OTHER INSTITUTIONAL FACILITIES:	288,789	.6
TOTAL INSTITUTIONAL	11,619,406	23.6
TOTAL	49,249,123	100.0

TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS, 1979
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS									
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	RECREATION, CIVIC OR SOCIAL ASSOCIATIONS	OTHER PUBLIC OUTLETS	TOTAL PUBLIC			
DAIRY PRODUCTS AND ICFS 1/	4428973.4	149466.5	89882.2	336863.7	617080.2	96543.0	5718809.0			
FLUID MILK	2059122.5	116402.1	36447.8	156726.1	516579.8	82101.6	2967379.9			
WHITE	1820672.1	114339.2	34988.3	149809.3	510322.1	48710.8	2678841.7			
OTHER 2/	238450.4	2062.9	1459.5	6916.8	6257.7	33390.8	288538.1			
CANNED MILK	2007.5	0.0	0.0	13.1	352.3	0.0	2372.9			
DRY MILK	15132.3	0.0	4238.5	219.7	132.6	500.5	20223.6			
CREAM	542446.2	9457.2	20900.0	64722.1	60783.4	2441.3	700750.2			
SWEET 3/	211059.9	1196.3	17936.0	42790.5	21945.3	1337.2	296265.2			
SOUR	57329.5	2305.8	381.3	5543.3	2548.0	29.1	68137.0			
SUBSTITUTES 4/	274056.8	5955.1	2582.7	16388.3	36290.1	1074.9	336348.0			
YOGURT	6090.9	1270.0	0.0	613.0	239.2	1501.4	9714.4			
FROZEN MILK DESSERT 5/	296064.0	641.4	5500.3	23039.8	14053.6	2111.4	341410.6			
ICE CREAM	60270.0	464.0	5007.4	21278.9	8633.6	1701.3	97355.2			
MILK DESSERTS, OTHER 6/	253338.1	0.0	3332.2	0.0	1047.4	0.0	257717.8			
CHEESE 7/	1254615.4	21695.8	19463.4	91529.8	23891.8	6717.3	1417913.6			
FATS AND OILS	2338765.6	46346.8	64397.8	78639.3	70660.7	36503.5	2635313.7			
TABLE FATS	376801.5	6711.4	16117.4	36816.6	15149.1	5241.3	456837.3			
BUTTER	299751.1	4272.3	1185.9	30618.1	8697.3	3880.3	348405.0			
MARGARINE	77050.4	2439.1	14931.5	6198.5	6451.8	1360.9	108432.2			
SHORTENING AND OIL 8/	1477453.0	33420.5	38971.3	24254.1	37451.4	24654.2	1636204.5			

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TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS,
1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS							GRAND TOTAL
	HOSPITALS	NURSING OR CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL, OR NORMAL SCHOOLS	OTHER INSTITUTIONAL FACILITIES	TOTAL INSTITUTIONAL			
DAIRY PRODUCTS AND ICES 1/								8099733.4
FLUID MILK	376440.1	1520098.6	398283.7	86101.9	2380924.4			4934596.1
WHITE OTHER 2/	230738.6	1316878.7	343404.6	76194.4	1967216.2			4560128.7
CANNED MILK	188269.8	1298831.1	319202.4	74983.6	1881286.9			374467.4
DRY MILK	42468.8	18047.6	24202.2	1210.7	85929.3			5671.6
CREAM	47.0	3231.1	3.0	17.7	3298.7			57266.0
SWEET 3/	2178.3	32311.7	1642.1	910.3	37042.4			828576.4
SOUR	74926.1	46509.6	6332.4	58.1	127826.2			379923.0
SUBSTITUTES 4/	64921.5	16487.5	2210.7	38.1	83657.8			71444.7
YOGURT	1160.9	1322.0	824.8	0.0	3307.7			377208.7
FROZEN MILK DESSERT 5/	8843.7	28700.1	3296.9	20.0	40860.7			20409.7
ICE CREAM	3194.6	514.7	4637.4	2348.6	10695.4			433269.0
MILK DESSERTS, OTHER 6/	38372.6	39751.6	9060.2	4674.1	91858.4			163923.8
CHEESE 7/	22219.7	32334.9	7340.0	4674.1	66568.6			270562.6
FATS AND OILS	4281.4	7083.2	1480.2	0.0	12844.9			1546201.1
TABLE FATS	21220.9	73443.9	31723.9	1898.8	128287.5			2895441.6
BUTTER MARGARINE	55983.9	142924.0	56253.0	4966.9	260128.0			532388.2
SHORTENING AND OIL 8/	23811.8	37862.0	13338.2	539.0	75551.0			365456.7
	5189.3	10117.8	1588.1	156.5	17051.7			166931.6
	18622.5	27744.2	11750.1	382.5	58499.3			1736951.8
	11635.1	59381.8	28643.6	1086.9	100747.3			

CONTINUED--

TABLE 17 --QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS, 1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS									
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	RECREATION, CIVIC OR SOCIAL ASSOCIATIONS	OTHER PUBLIC OUTLETS	TOTAL PUBLIC			
MAYONNAISE AND SALAD DRESSINGS	484511.0	6214.9	9309.0	17568.6	18060.3	6608.0	542271.9			
MAYONNAISE TYPE DRESSINGS	267272.1	3913.0	4091.5	8754.3	12895.5	3943.8	300870.2			
PREPARED SALAD DRESSINGS	217238.9	2301.9	5217.5	8814.4	5164.8	2664.3	241401.7			
FLOUR AND CEREAL 9/	1553205.1	10882.8	599685.3	27664.1	38991.0	32328.8	2262757.2			
FLOUR	1201073.6	3437.1	593114.6	12905.7	10407.0	9324.9	1830262.9			
PREPARED FLOUR MIXES	105522.4	100.4	80.1	550.4	835.7	389.2	107478.2			
BREAKFAST CEREAL	30628.1	382.0	673.1	1914.9	3786.6	217.6	37602.3			
HOT	5442.6	0.0	53.4	260.2	19.9	49.1	5825.1			
COLD	25185.6	382.0	619.8	1654.7	3766.7	168.4	31777.1			
OTHER CEREALS AND PASTES 10/	212489.0	5809.6	5200.1	12293.1	11796.7	22397.1	269985.6			
RICE	67030.0	772.0	251.8	5433.4	4583.5	1667.9	79738.6			
CORN, CRACKER, AND MATZO MEAL	54214.0	445.0	3421.3	873.6	2052.5	1953.9	62960.3			
DRY PASTES 11/	83399.9	4265.0	1068.1	5774.2	5119.1	18083.9	117710.2			
SPAGHETTI AND MACARONI	69994.2	857.9	875.2	5173.3	3063.3	2222.7	82186.7			
NOODLES	9763.0	349.8	192.9	565.8	971.5	15755.2	27598.1			
BAKERY PRODUCTS	3720708.1	172221.0	118128.9	305023.1	333573.9	114775.6	4764430.7			
BREAD 12/	724732.8	50943.3	17420.2	29126.8	106838.1	8438.2	937499.5			
MISC. BREAD TYPE PROD. 13 /	60719.1	841.3	88.5	45389.0	1207.1	256.6	108501.6			
ROLLS, BUNS, AND MUFFINS 14/	1638661.0	82514.3	33280.8	114961.0	108320.5	70882.4	2048620.0			
ROLLS	221211.8	14717.9	1540.2	46206.2	9008.0	13694.8	306378.9			
BUNS	1121265.0	62086.5	23450.8	52734.5	80519.2	47461.8	1387517.8			
MUFFINS	78841.6	45.2	2474.2	3768.8	3009.4	5476.3	93615.4			
BISCUITS	24148.3	1877.0	29.5	6068.7	6389.3	239.1	38751.8			

CONTINUED--

TABLE 17 --- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS,
1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS						GRAND TOTAL
	HOSPITALS	NURSING OR CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL, OR NORMAL SCHOOLS	OTHER INSTITUTIONAL FACILITIES	TOTAL INSTITUTIONAL		
MAYONNAISE AND SALAD DRESSINGS	20537.0	45680.3	14271.2	3341.1	83829.7	626101.6	
MAYONNAISE TYPE DRESSINGS	9517.7	29774.6	10291.4	619.3	50202.9	351073.1	
PREPARED SALAD DRESSINGS	11019.4	15905.7	3979.8	2721.8	33626.8	275028.5	
FLOUR AND CEREAL 9/	50028.6	190531.7	75161.0	13784.3	329505.6	2592262.8	
FLOUR	19798.3	27188.2	38713.6	8136.7	93836.7	1924099.7	
PREPARED FLOUR MIXES	1807.8	14369.7	3258.1	58.2	19493.8	126972.0	
BREAKFAST CEREAL	6193.1	72078.0	9187.3	788.8	88247.3	125849.6	
HOT	3170.4	54687.8	210.3	599.5	58668.0	64493.1	
COLD	3022.7	17390.2	8977.1	189.4	29579.3	61356.5	
OTHER CEREALS AND PASTES 10/	22229.4	76793.6	23924.9	4800.5	127748.4	397734.0	
RICE	6219.1	24968.8	10729.7	1150.4	43068.0	122806.6	
CORN, CRACKER, AND MATZO MEAL	1507.8	4456.1	448.6	1410.3	7822.9	70783.2	
DRY PASTES 11/	14141.3	43716.4	12632.3	2239.9	72729.9	190440.0	
SPAGHETTI AND MACARONI	11779.1	30706.0	10034.0	1349.7	53868.9	136055.6	
NOODLES	2079.2	12896.9	2592.4	890.1	18458.6	46056.7	
BAKERY PRODUCTS	256006.1	979733.1	181636.2	25399.5	1442774.9	6207205.7	
BREAD 12/	64812.6	720970.5	94836.9	4217.5	884837.6	1822337.1	
MISC. BREAD TYPE PROD. 13 /	4620.0	1378.9	2198.9	11.8	8209.6	116711.2	
ROLLS, BUNS, AND MUFFINS 14/	42076.7	77063.3	56084.0	7657.0	182881.0	2231501.0	
ROLLS	12261.0	14596.8	14985.5	101.6	41944.9	348323.8	
BUNS	21424.9	42574.2	33083.8	6841.3	103924.3	1491442.0	
MUFFINS	3105.0	12051.1	2718.0	12.8	17886.8	111502.2	
BISCUITS	861.3	5053.4	25.9	44.9	5985.5	44737.4	
						CONTINUED--	

CONTINUED--

TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS, 1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS									
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	RECREATION, CIVIC OR SOCIAL ASSOCIATIONS	OTHER PUBLIC OUTLETS	TOTAL PUBLIC			
PANCAKES, WAFFLES, FRENCH TOAST	15277.7	713.3	16.6	470.7	355.2	287.6	17121.1			
CRACKERS, UNSWEETENED	314630.8	17650.6	19056.3	28973.3	86722.2	2352.3	469385.5			
COOKIES AND SWEET CRACKERS	16246.5	7046.9	10120.6	61903.8	3322.2	5974.5	104614.5			
PASTRY, DANISH, AND DOUGHNUTS 15/	372238.9	3816.4	8512.9	3700.9	5492.4	14043.6	407805.1			
PIES	269301.1	2323.3	814.9	1249.7	8825.4	9616.0	292130.3			
FROZEN OTHER	84502.5 184798.6	889.1 1434.2	120.7 694.2	620.2 629.5	527.1 8298.2	922.1 8693.9	87581.6 204548.7			
CAKES 16/	27966.9	697.1	8002.6	2315.8	1609.0	2302.2	42893.6			
FROZEN OTHER	7864.1 20102.8	343.8 353.3	195.0 7807.6	460.9 1854.9	208.2 1400.8	34.2 2267.9	9106.2 33787.3			
MISC. BAKERY PRODUCTS 17/	258168.0	5445.5	7123.7	12379.7	9458.7	528.4	293104.1			
MISC. PRODUCTS USED IN BAKING 18/	22765.4	229.0	13691.8	4552.5	1423.2	93.8	42755.6			
BEEF AND VEAL 19/	2340761.7	129483.9	43647.3	252977.7	133088.6	59872.6	2959831.7			
STEAK 20/ FROZEN OTHER	610787.5 315895.2 294892.4	39338.7 10796.4 28542.3	12206.0 10368.3 1837.7	70151.5 14121.1 56030.5	36272.5 13736.7 22535.9	14305.8 2133.6 12172.2	783062.1 367051.3 416010.8			
ROAST FROZEN OTHER	357206.9 132847.9 224359.1	27907.4 4814.2 23093.2	3733.8 1773.8 1960.0	77244.3 3187.7 74056.7	31887.1 3121.7 28765.4	7006.8 131.7 6875.1	504986.3 145876.8 359109.4			
CURED AND PROCESSED 21/ FROZEN OTHER	42924.2 10035.9 32888.3	6103.2 2360.7 3742.5	937.7 0.0 937.7	17792.9 53.9 17739.0	5697.1 1495.3 4201.8	3699.5 305.8 3393.7	77154.7 14251.6 62903.0			

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TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS,
1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS						GRAND TOTAL
	HOSPITALS	NURSING OR CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL, OR NORMAL SCHOOLS	OTHER INSTITUTIONAL FACILITIES	TOTAL INSTITUTIONAL		
PANCAKES, WAFFLES, FRENCH TOAST	14513.0	9064.1	501.2	12.8	24091.0	41212.1	
CRACKERS, UNSWEETENED	62934.9	73719.5	5625.3	113.1	142392.8	611778.4	
COOKIES AND SWEET CRACKERS	12415.1	56638.8	1634.6	925.0	71613.6	176228.0	
PASTRY, DANISH, AND DOUGHNUTS 15/	7242.1	3687.9	12133.7	11643.4	34707.1	442512.2	
PIES	22076.9	2899.5	1226.3	81.5	26284.2	318414.5	
FROZEN OTHER	10430.7 11646.2	1364.7 1534.8	554.1 672.3	0.0 81.5	12349.5 13934.7	99931.1 218483.5	
CAKES 16/	5059.4	2143.2	2778.1	17.6	9998.3	52891.9	
FROZEN OTHER	1026.4 4033.0	167.7 1975.5	270.2 2507.9	0.0 17.6	1464.3 8534.0	10570.6 42321.3	
MISC. BAKERY PRODUCTS 17/	17248.7	13751.6	3061.9	678.4	34740.6	327844.6	
MISC. PRODUCTS USED IN BAKING 18/	3006.6	18415.7	1555.3	41.5	23019.1	65774.7	
BEEF AND VEAL 19/	181801.8	237506.3	79189.8	18999.6	517497.4	3477329.2	
STEAK 20/	56157.8	54846.0	7340.9	1818.5	120163.2	903225.3	
FROZEN OTHER	15296.5 40861.2	30260.0 24586.0	3032.8 4308.1	1667.9 150.6	50257.2 69906.0	417308.5 485916.8	
ROAST	40379.0	46872.7	11023.2	4503.4	102778.4	607764.6	
FROZEN OTHER	9853.9 30525.1	10871.7 36001.0	4272.9 6750.3	2800.0 1703.4	27798.6 74979.8	173675.4 434089.2	
CURED AND PROCESSED 21/	9070.5	7517.3	1158.9	1221.5	18968.2	96122.9	
FROZEN OTHER	704.5 8366.0	4587.4 2929.8	324.6 834.3	0.0 1221.5	5616.5 13351.7	19868.2 76254.7	
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TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS, 1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS									
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	RECREATION, CIVIC OR SOCIAL ASSOCIATIONS	OTHER PUBLIC OUTLETS	TOTAL PUBLIC			
BULK BEEF 22/	127996.2	1515.4	343.2	5301.6	3396.4	351.0	138903.8			
GROUND 23/	1157512.5	49708.3	25606.2	79387.8	49057.5	29936.7	1391208.9			
BULK 24/	494198.8	31469.1	6629.4	65369.0	19324.7	19875.7	636866.7			
PATTIES	640293.5	17676.5	17778.7	13008.5	28214.4	10061.0	727032.7			
MISCELLANEOUS 25/	35588.1	3705.8	820.5	1485.6	5840.5	3844.8	51285.3			
FROZEN	13772.6	472.7	307.2	46.5	2878.0	1116.2	18593.2			
OTHER	21815.5	3233.1	513.2	1439.0	2962.5	2728.6	32692.1			
PORK 26/	680071.1	22426.1	23554.0	132092.7	64750.1	29903.8	952797.8			
CHOPS	24481.7	780.9	85.3	2112.7	3157.2	1252.2	31869.9			
FROZEN	6103.3	274.8	85.3	972.6	1082.4	26.5	8545.0			
OTHER	18378.4	506.0	0.0	1140.0	2074.8	1225.7	23325.0			
LOINS, ROASTS AND STEAKS 27/	100633.8	1654.5	830.7	8107.1	6868.6	6711.0	124805.7			
FROZEN	15630.8	0.0	0.0	51.5	1802.6	39.3	17524.2			
OTHER	85002.9	1654.5	830.7	8055.6	5066.1	6671.7	107281.5			
RIBS	45107.9	372.1	85.8	5355.0	3865.2	658.8	55444.8			
BACON 28/	184093.0	2911.9	5732.6	29991.3	14393.3	8166.1	245288.3			
HAM	222571.8	12968.9	9759.5	75303.6	30963.0	8501.8	360068.6			
SAUSAGE	82081.7	1986.7	6964.4	10299.9	4804.1	3933.9	110070.6			
OTHER RED MEAT 29/	28828.5	35.2	0.0	2341.1	11989.4	1529.6	44723.7			
LAMB	27833.1	35.2	0.0	2071.3	11952.5	1529.6	43421.6			
VARIETY MEATS 30/	53639.7	1351.6	3149.5	5574.3	3617.0	3085.9	70418.0			

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TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS,
1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS							GRAND TOTAL
	HOSPITALS	NURSING OR CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL, OR NORMAL SCHOOLS	OTHER INSTITUTIONAL FACILITIES	TOTAL INSTITUTIONAL			
BULK BEEF 22/	4718.4	10419.8	3032.8	0.0	18171.0			157074.8
GROUND 23/	55324.4	94681.7	52505.0	10864.9	213376.1			1604584.9
BULK 24/	30120.7	52794.2	35465.5	7074.4	125454.9			762321.6
PATTIES	24150.1	40851.5	16851.2	2586.6	84439.4			811472.1
MISCELLANEOUS 25/	13925.3	18300.9	4119.9	591.3	36937.4			88222.6
FROZEN	5484.1	5079.5	1704.9	291.2	12559.6			31152.8
OTHER	8441.3	13221.4	2415.0	300.1	24377.7			57069.8
PORK 26/	84086.9	98245.0	40927.1	15613.2	238872.3			1191670.0
CHOPS	8000.5	17982.4	9220.3	200.5	35403.7			67273.6
FROZEN	4937.0	2615.5	2009.5	11.8	9573.8			18118.8
OTHER	3063.5	15366.8	7210.7	188.8	25829.9			49154.8
LOINS, ROASTS AND STEAKS 27/	11159.9	15133.6	3269.1	1060.0	30622.7			155428.3
FROZEN	2350.5	6101.4	2952.4	0.0	11404.2			28928.4
OTHER	8809.5	9032.2	316.7	1060.0	19218.5			126500.0
RIBS	1375.4	4916.1	1977.6	143.5	8412.6			63857.5
BACON 28/	23859.3	19318.4	10860.9	7076.8	61115.3			306403.6
HAM	27770.6	29565.7	10647.7	6868.4	74852.4			434921.0
SAUSAGE	8041.9	8780.9	4565.5	176.6	21564.9			131635.5
OTHER RED MEAT 29/	8308.5	3219.6	196.5	0.0	11724.7			56448.4
LAMB	8308.5	3219.6	196.5	0.0	11724.7			55146.3
VARIETY MEATS 30/	6540.9	8811.8	1487.5	1197.6	18037.8			88455.8

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TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS, 1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS							TOTAL PUBLIC OUTLETS	TOTAL PUBLIC
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	RECREATION, CIVIC OR SOCIAL ASSOCIATIONS	OTHER PUBLIC OUTLETS			
LIVER	45954.8	1351.6	461.1	5220.4	2786.5	3085.9	58860.3		
FROZEN OTHER	32196.3	833.0	386.4	1308.3	910.6	1622.4	37256.9		
	13758.5	518.6	74.8	3912.1	1875.9	1463.5	21603.4		
MEAT PRODUCTS	366162.4	13586.6	17344.5	7409.4	34454.0	11469.1	450426.0		
MEAT PIZZA TOPPINGS	105661.0	20.4	166.0	0.0	860.3	0.0	106707.6		
HOT DOGS AND WIENERS	144133.5	5809.2	13877.3	4754.1	27138.8	6709.4	202422.4		
SAUSAGES 31/	78207.1	6110.9	2134.6	2128.7	5982.2	3799.5	98363.0		
LUNCHEON MEAT	38160.8	1646.0	1166.6	526.7	472.7	960.2	42933.0		
POULTRY AND EGGS 32/	1417091.8	37914.2	30009.4	143255.6	91886.9	52263.5	1772421.3		
CHICKEN 33/	730579.3	19205.6	5685.2	44488.7	41776.3	10432.6	852167.7		
BROILERS AND FRYERS	278010.3	8565.0	1467.0	29168.8	30446.7	7722.3	355380.2		
ROASTERS AND STEWERS	12248.7	63.0	32.4	711.1	0.0	159.1	13214.4		
CHICKEN PARTS	409757.8	9971.3	1047.0	14173.8	10475.1	2247.8	447672.8		
OTHER CHICKEN 34/	7813.2	437.0	300.6	395.2	510.8	303.4	9760.2		
TURKEY 35/	87422.6	4924.8	2326.1	33655.0	12220.0	5583.3	146131.7		
WHOLE AND HALF	46318.7	3166.5	814.1	5636.5	4269.1	4527.7	64732.6		
TURKEY PARTS	29142.2	288.9	240.2	22901.3	4064.6	853.3	57490.5		
OTHER TURKEY	11948.4	1469.4	1271.8	5117.2	3886.3	202.3	23895.3		
EGGS	579300.7	12399.4	21630.5	61869.4	35336.2	35976.7	746512.8		
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TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS,
1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS						GRAND TOTAL
	HOSPITALS	NURSING OR CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL, OR NORMAL SCHOOLS	OTHER INSTITUTIONAL FACILITIES	TOTAL INSTITUTIONAL	TOTAL	
LIVER	6540.9	7874.4	1487.5	1197.6	17100.4	75960.7	
FROZEN	3402.9	4669.7	686.2	1029.3	9788.1	47045.0	
OTHER	3129.0	3161.4	801.3	168.3	7260.1	28863.5	
MEAT PRODUCTS	29391.7	38614.1	13046.0	4320.2	85372.0	535798.0	
MEAT PIZZA TOPPINGS	3351.7	137.8	296.4	41.6	3827.5	110535.1	
HOT DOGS AND WIENERS	13374.6	17584.5	8147.5	2254.6	41361.1	243783.5	
SAUSAGES 31/	6729.6	4269.6	3209.0	808.7	15016.9	113379.8	
LUNCHEON MEAT	5935.7	16622.2	1393.1	1215.4	25166.5	68099.5	
POULTRY AND EGGS 32/	143277.4	689634.6	66669.8	20202.8	919784.5	2692205.8	
CHICKEN 33/	46244.2	164776.1	17031.3	4959.5	233011.1	1085178.8	
BROILERS AND FRYERS	22866.1	43163.5	10076.1	3577.5	79683.2	435063.4	
ROASTERS AND STEWERS	1653.2	7045.7	1163.9	349.4	10212.2	23426.6	
CHICKEN PARTS	18920.0	106895.2	3957.2	523.9	130296.2	577969.0	
OTHER CHICKEN 34/	726.5	5146.9	316.5	58.2	6248.2	16008.4	
TURKEY 35/	34176.9	48244.0	11914.5	725.0	95060.5	241192.2	
WHOLE AND HALF	10982.1	19263.9	2807.3	385.6	33438.9	98171.5	
TURKEY PARTS	16788.1	14463.6	6218.3	0.0	37470.1	94960.6	
OTHER TURKEY	6316.3	14482.1	2888.9	339.5	24026.8	47922.1	
EGGS	55997.6	475519.5	37000.9	14518.2	583036.1	1329548.9	

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TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS, 1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS									
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	RECREATION, CIVIC OR SOCIAL ASSOCIATIONS	OTHER PUBLIC OUTLETS	TOTAL PUBLIC			
IN SHELL	565140.0	11779.8	19622.2	61706.5	34636.2	35976.7	728861.5			
OTHER 36/	14160.6	619.6	2008.2	162.9	700.0	0.0	17651.3			
FISH AND SHELLFISH	699921.7	34477.7	12817.3	75963.9	40704.2	18850.1	882734.9			
FINFISH, WHOLE	88674.6	3966.8	987.6	5620.9	4051.5	3822.5	107123.9			
FROZEN	52353.3	2839.1	794.2	3346.1	2282.9	3738.2	65353.9			
OTHER	36321.3	1127.7	193.4	2274.7	1768.6	84.2	41770.0			
FINFISH, CUT	169126.5	10479.4	587.1	18469.0	10877.8	5156.4	214696.3			
FROZEN	125272.7	7491.1	587.1	5987.7	7212.0	3546.9	150097.6			
OTHER	43853.8	2988.3	0.0	12481.4	3665.8	1609.5	64598.8			
FINFISH, PROCESSED 37/	158283.4	2522.1	10956.4	4739.6	7959.6	2633.8	187094.9			
FROZEN	138886.4	1562.4	6871.1	3827.6	6482.7	2081.7	159711.9			
CANNED	15395.2	692.1	4053.1	900.5	1169.2	521.6	22731.7			
SHELLFISH	275868.8	16957.8	286.2	41624.9	17339.5	7210.1	359287.3			
SHRIMP, WITH SHELL	44933.1	1942.0	0.0	4013.6	2594.2	165.5	53648.4			
SHRIMP, OTHER	89242.4	4064.7	265.7	10584.5	6440.9	921.5	111519.8			
OYSTERS	13736.9	666.2	0.0	3954.8	2668.8	465.0	21491.7			
CLAMS	27082.8	2716.6	14.7	12985.5	2858.5	1021.0	46679.2			
CRABS	33883.3	6574.9	5.8	4793.6	983.1	552.2	46793.0			
LOBSTER OR CRAYFISH	39647.5	310.7	0.0	1595.1	346.9	3862.8	45763.1			
SCALLOPS	27342.7	682.7	0.0	3697.7	1447.0	222.0	33392.2			

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TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS,
1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS							GRAND TOTAL
	HOSPITALS	NURSING OR CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL, OR NORMAL SCHOOLS	OTHER INSTITUTIONAL FACILITIES	TOTAL INSTITUTIONAL	TOTAL		
IN SHELL	47584.2	472202.6	33344.2	14256.1	567387.2	1296248.7		
OTHER 36/	8413.3	3316.9	3656.6	262.1	15648.9	33300.2		
FISH AND SHELLFISH	54540.9	43758.6	16401.9	1275.9	115977.3	998712.2		
FINFISH, WHOLE	1932.2	12763.3	735.7	9.3	15440.4	122564.3		
FROZEN OTHER	952.8 979.3	7139.7 5623.6	694.1 41.6	0.0 9.3	8786.6 6653.8	74140.5 48423.8		
FINFISH, CUT	21913.9	15948.8	5299.5	827.1	43989.4	258685.7		
FROZEN OTHER	13275.8 8638.2	11412.9 4535.9	4902.0 397.5	780.5 46.6	30371.2 13618.2	180468.8 78216.9		
FINFISH, PROCESSED 37/ FROZEN CANNED	9131.4 6139.5 2671.7	12935.7 8672.3 3678.9	7537.8 6293.9 1179.1	229.9 0.0 113.4	29834.8 21105.8 7643.0	216929.7 180817.7 30374.7		
SHELLFISH	21142.2	2047.1	2621.8	209.7	26020.8	385308.2		
SHRIMP, WITH SHELL	3303.9	223.4	22.7	0.0	3549.9	57198.3		
SHRIMP, OTHER	5005.6	1068.9	1235.4	0.0	7309.9	118829.6		
OYSTERS	551.4	310.8	0.0	0.0	862.2	22353.9		
CLAMS	6021.9	183.6	1227.4	0.0	7432.9	54112.1		
CRABS	1158.5	107.8	111.4	0.0	1377.7	48170.7		
LOBSTER OR CRAYFISH	3716.3	0.0	6.9	0.0	3723.2	49486.3		
SCALLOPS	1384.7	152.6	18.0	209.7	1765.0	35157.3		
							CONTINUED--	

CONTINUED--

TABLE 17 --QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS, 1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS										TOTAL PUBLIC OUTLETS	TOTAL PUBLIC
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	RECREATION, CIVIC OR SOCIAL ASSOCIATIONS	OTHER PUBLIC OUTLETS						
OTHER 38/	7968.4	551.6	0.0	5509.4	475.8	27.3	14532.5					
SUGARS AND SWEETS 39/	2185578.3	58852.7	83241.3	76861.6	131670.0	98702.8	2634906.8					
SUGAR	287195.2	3066.2	16758.8	13138.0	6924.1	10355.9	337438.2					
TABLE SYRUPS OR HONEY 40/	104740.4	386.8	824.6	10482.4	1793.2	5119.2	123346.7					
JELLIES OR JAMS 41/	39163.2	227.3	1942.8	5769.6	1966.9	1730.6	50800.5					
FOUNTAIN TOPPINGS	112252.2	243.6	4318.1	1180.3	330.6	893.5	119218.3					
BEVERAGE FOUNTAIN SYRUPS 42/	1486574.7	49312.4	52522.3	45206.0	91483.6	63288.6	1788387.6					
CANDY	22808.3	3050.9	920.6	871.6	15307.1	199.1	43157.6					
VEGETABLES	4978063.9	167645.1	90366.9	387698.5	289025.1	220536.4	6133335.9					
POTATOES, WHITE	1829007.0	36799.6	13333.5	95037.6	67308.1	32941.6	2074427.4					
POTATOES, SWEET 43/	13530.3	614.2	0.0	2916.4	750.3	1530.2	19341.4					
TOMATOES	425465.6	57135.4	22026.4	21803.9	24031.6	5211.1	555673.9					
CANNED OTHER	99977.2	49806.4	2172.6	5069.4	10074.8	1875.0	168975.5					
	325488.5	7328.9	19853.7	16734.4	13956.8	3336.1	386698.4					
LETTUCE	569932.0	11964.4	7582.1	71743.7	46339.1	5232.8	759794.1					
PARSLEY	10229.2	49.2	58.2	12905.1	422.1	569.1	24232.9					
CELERY	32493.4	1363.5	192.0	1717.5	1480.9	294.8	37542.2					
CARROTS	91543.8	3004.8	1396.7	6984.7	9075.2	6250.7	118255.8					
FROZEN CANNED	9911.4	228.3	0.0	656.2	3831.8	2682.1	17309.8					
	14945.6	1075.9	837.6	2157.9	2090.4	1709.0	22816.4					
											CONTINUED-	

CONTINUED--

TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS,
1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS										GRAND TOTAL
	HOSPITALS	NURSING OR CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL, OR NORMAL SCHOOLS			OTHER INSTITUTIONAL FACILITIES	TOTAL INSTITUTIONAL				
OTHER 38/	421.1	63.6	207.0	0.0	691.8	15224.3					
SUGARS AND SWEETS 39/	154715.9	186458.1	58296.2	15777.1	415247.3	3050154.1					
SUGAR	21531.1	57816.1	10210.2	5011.1	94568.5	432006.7					
TABLE SYRUPS OR HONEY 40/	4019.7	17722.3	4186.2	527.0	26455.3	149802.0					
JELLIES OR JAMS 41/	75172.9	63474.0	15975.4	1295.3	155917.6	206718.1					
FOUNTAIN TOPPINGS	994.2	652.5	226.7	0.0	1873.4	121091.6					
BEVERAGE FOUNTAIN SYRUPS 42/	39097.2	7802.1	26199.9	8048.1	81147.3	1869535.0					
CANDY	789.2	854.8	440.6	2.5	2087.2	45244.8					
VEGETABLES	1258769.4	1341740.4	344682.6	39363.3	2984555.8	9117891.7					
POTATOES, WHITE	77413.1	162558.9	40852.8	7380.4	288205.1	2362632.4					
POTATOES, SWEET 43/	81556.3	24641.8	4965.6	1047.3	112211.1	131552.4					
TOMATOES	62079.0	60738.9	14078.8	4113.8	141010.4	696684.3					
CANNED OTHER	43121.1 18957.8	32533.3 28205.6	8549.2 5529.5	1033.1 3080.6	85236.8 55773.7	254212.3 442472.1					
LETTUCE	38143.6	46804.0	10802.4	1587.5	97337.4	857131.6					
PARSLEY	433.1	16030.3	65.8	46.6	16575.8	40808.7					
CELERY	34886.6	5783.1	1059.1	76.0	41804.9	79347.0					
CARROTS	298199.0	105838.2	42166.6	2458.7	448662.4	566918.3					
FROZEN CANNED	3525.5 276578.9	5990.8 73491.0	935.3 27350.1	107.4 786.1	10559.0 378206.0	27868.8 401022.4					
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TABLE 17 --QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS, 1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS									
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	RECREATION, CIVIC OR SOCIAL ASSOCIATIONS	OTHER PUBLIC OUTLETS	TOTAL PUBLIC			
OTHER	66686.9	1700.5	559.1	4170.6	3153.0	1859.6	78129.7			
BEETS	22765.9	699.8	1015.9	3192.5	5061.6	428.2	33163.9			
RADISHES	13870.5	1095.5	5.1	642.6	1109.7	226.4	16949.9			
ONIONS 44/	268912.9	16283.8	2953.4	23410.7	18523.4	3884.5	333968.7			
FROZEN OTHER 45/	17000.9 251912.0	1370.3 14913.5	847.8 2105.6	504.4 22902.4	3246.8 15276.6	173.3 3711.2	23147.4 310821.3			
PEAS 46/	89301.2	3335.4	1864.4	12680.6	7951.9	4723.7	119857.1			
FROZEN DRIED CANNED	16664.6 3761.0 67701.5	1170.0 11.6 2153.7	31.5 192.1 1640.8	7026.8 294.9 5273.7	346.6 374.8 7149.1	871.6 373.9 3478.2	26111.0 5008.4 87397.0			
PEPPERS 47/	61919.1	2832.7	5144.5	5464.8	5943.4	2381.2	83685.7			
CANNED OTHER	1715.3 57977.2	0.0 745.6	0.0 5144.5	431.1 5033.8	251.1 5666.3	74.9 2306.3	2472.3 76873.7			
BEANS 48/	268333.5	4799.1	11571.6	39690.1	28909.5	26694.0	379997.8			
LIMA	18775.1	64.1	6094.1	3898.9	3389.2	2890.5	35111.9			
GREEN, WAX OR STRING	140283.9	2358.4	3491.1	31129.9	16840.5	21465.4	215569.2			
RED, WHITE AND BROWN	108994.8	2376.7	1986.5	4661.3	8679.7	2338.0	129037.0			
CABBAGE OR SAUERKRAUT	488410.8	11783.1	7746.2	14901.0	17076.5	2071.8	541989.3			
CANNED 49/ OTHER	22944.5 465466.2	412.0 11371.1	1558.4 6187.7	1462.3 13438.7	3137.4 13939.1	716.5 1355.3	30231.2 511758.2			
ASPARAGUS	4751.9	0.0	542.6	87.5	3555.2	0.0	8937.2			

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TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS,
1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS					GRAND TOTAL
	HOSPITALS	NURSING OR CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL, OR NORMAL SCHOOLS	OTHER INSTITUTIONAL FACILITIES	TOTAL INSTITUTIONAL	
OTHER	18094.6	26356.4	13881.2	1565.2	59897.4	138027.1
BEETS	50502.5	26079.5	1850.1	456.6	78888.6	112052.5
RADISHES	12687.3	801.3	457.1	84.9	14030.7	30980.6
ONIONS 44/	10879.6	44110.9	4269.9	1444.5	60704.9	394673.6
FROZEN OTHER 45/	580.5 10299.1	1013.6 43097.3	219.4 4050.5	15.4 1429.1	1828.9 58876.0	24976.3 369697.3
PEAS 46/	302988.0	118994.3	11363.8	1413.6	434759.8	554616.9
FROZEN DRIED CANNED	7023.3 236.6 294909.9	11916.1 2456.9 103850.2	1289.8 2126.9 7936.3	145.0 0.0 1268.7	20374.2 4820.4 407965.1	46485.2 9828.8 495362.2
PEPPERS 47/	4094.4	22518.5	2224.9	109.0	28946.8	112632.5
CANNED OTHER	64.1 4030.3	14.6 22504.0	118.6 2105.7	0.0 109.0	197.2 28749.0	2669.6 105622.7
BEANS 48/	135267.2	239303.5	81885.1	10909.6	467365.4	847363.2
LIMA	64571.0	57073.0	1084.3	686.6	123414.9	158526.8
GREEN, WAX OR STRING	62492.9	170133.1	42495.9	8349.4	283471.4	499040.6
RED, WHITE AND BROWN	7872.5	10924.9	38271.3	1304.0	58372.6	187409.6
CABBAGE OR SAUERKRAUT	15207.3	93210.2	26411.6	1336.4	136165.5	678154.9
CANNED 49/ OTHER	2013.0 13194.3	5342.8 87867.5	369.0 26042.6	756.2 580.2	8480.9 127684.6	38712.1 639442.8
ASPARAGUS	9202.4	5372.2	732.2	237.9	15544.6	24481.9
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CONTINUED--

TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS, 1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS									
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	RECREATION, CIVIC OR SOCIAL ASSOCIATIONS	OTHER PUBLIC OUTLETS	TOTAL PUBLIC			
FROZEN CANNED OTHER	1675.7 2307.3 768.9	0.0 0.0 0.0	0.0 542.6 0.0	49.0 0.0 38.5	1477.5 1332.4 745.4	0.0 0.0 0.0	0.0 0.0 0.0	3202.2 4182.2 1552.8		
BROCCOLI	20945.8	1742.9	64.1	9211.4	1553.8	58239.4	91757.4			
FROZEN OTHER	15119.0 5826.8	1637.3 105.6	64.1 0.0	2816.9 6394.5	982.9 570.9	58239.4 0.0	78859.7 12897.8			
BRUSSEL SPROUTS	1964.1	0.0	0.0	90.3	2338.0	559.1	4951.5			
CAULIFLOWER	11894.2	29.9	514.3	4154.0	1350.4	603.3	18546.1			
FROZEN OTHER	3927.9 7966.3	29.9 0.0	32.0 482.2	387.7 3766.3	24.0 1326.4	550.3 53.0	4951.8 13594.3			
CUCUMBERS	38549.5	2577.4	299.0	4556.8	1788.6	753.2	48524.5			
EGGPLANT	7145.5	337.7	0.0	251.4	969.2	262.7	8966.6			
ENDIVE	1370.6	49.6	0.0	163.2	205.5	393.2	2182.1			
MUSHROOMS 50/ CANNED OTHER	154270.6 118245.3 34786.0	565.1 239.1 317.3	692.4 482.6 209.8	7303.7 3235.2 4000.1	2659.5 1487.7 1020.6	364.7 334.2 30.6	165856.0 124024.0 40364.3			
OKRA 51/ FROZEN OTHER	12954.4 8102.3 4624.8	955.5 0.0 955.5	419.1 88.1 331.0	507.3 507.3 0.0	3054.3 2573.4 480.9	0.0 0.0 0.0	17890.6 11271.0 6392.2			
PIMENTOS	3529.0	0.0	0.0	405.5	302.6	2.7	4239.8			
SQUASH 52/ FROZEN	29240.2 5139.1	1569.0 0.0	393.8 24.0	4510.2 2011.5	1759.5 112.3	120.0 37.3	37592.8 7324.3			

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TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS,
1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS										GRAND TOTAL
	HOSPITALS	NURSING OR CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL, INSTITUTIONAL, OR NORMAL SCHOOLS	OTHER FACILITIES	INSTITUTIONAL	INSTITUTIONAL	INSTITUTIONAL	INSTITUTIONAL	INSTITUTIONAL	INSTITUTIONAL	
FROZEN CANNED OTHER	1290.8 7806.2 105.4	3180.9 2063.0 128.2	709.5 10.1 12.6	0.0 237.9 0.0	5181.3 10117.2 246.1	8383.4 14299.5 1799.0					
BROCCOLI	3945.6	105312.1	1561.4	228.2	111047.3	202804.7					
FROZEN OTHER	3731.4 214.1	104644.3 667.8	1498.9 62.5	216.4 11.9	110090.9 956.3	188950.6 13854.1					
BRUSSEL SPROUTS	681.2	555.4	700.7	30.0	1967.3	6918.8					
CAULIFLOWER	1986.0	4625.5	482.7	96.9	7191.1	25737.3					
FROZEN OTHER	1124.3 861.7	3096.7 1528.8	396.8 85.9	80.3 16.5	4698.2 2492.9	9650.0 16087.3					
CUCUMBERS	3545.1	32585.2	1488.0	436.3	38054.6	86579.1					
EGGPLANT	253.8	19.3	223.5	0.0	496.6	9463.1					
ENDIVE	243.7	20.0	120.2	0.0	383.8	2565.9					
MUSHROOMS 50/	1653.5	5677.1	3403.1	110.7	10844.4	176700.4					
CANNED OTHER	766.1 666.4	5525.1 122.9	3106.1 266.2	75.7 34.9	9473.0 1090.5	133497.0 41454.7					
OKRA 51/	1983.9	1545.4	224.4	0.0	3753.7	21644.3					
FROZEN OTHER	1705.7 276.0	747.2 771.7	121.9 40.5	0.0 0.0	2574.8 1088.1	13845.8 7480.3					
PIMENTOS	1711.5	560.5	59.0	5.8	2336.9	6576.6					
SQUASH 52/	4605.5	58849.9	337.0	362.9	64155.3	101748.2					
FROZEN	2147.7	4400.5	266.1	134.6	6948.9	14273.2					

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TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS, 1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS									
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	RECREATION, CIVIC OR SOCIAL ASSOCIATIONS	OTHER PUBLIC OUTLETS	TOTAL PUBLIC			
OTHER	22954.9	1347.8	369.8	2498.7	1647.2	82.7	28901.1			
CORN 53/	163267.4	1083.9	3897.9	10157.7	13667.6	4226.9	196301.5			
FROZEN CANNED	61432.1	495.9	2863.2	1501.8	2894.7	622.6	69810.3			
	98581.1	588.1	1034.7	5975.3	7531.6	3604.3	117315.1			
SPINACH	16149.9	839.9	388.1	8957.5	2212.8	788.3	29336.6			
FROZEN CANNED OTHER	5784.9	119.6	0.0	5031.9	365.0	38.8	11340.2			
	3796.1	663.8	382.9	833.1	284.2	633.0	6593.0			
	6568.9	56.5	5.3	3092.5	1563.6	116.5	11403.3			
GREENS 54/	11904.3	378.5	57.8	775.6	5698.1	754.3	19568.5			
FROZEN CANNED	6236.0	0.0	57.8	163.5	4177.1	37.3	10671.6			
	4649.1	0.0	0.0	447.4	846.1	717.0	6659.6			
VEGETABLE SALAD MIX	185193.9	1448.9	4069.2	9046.5	5606.2	10971.2	216335.8			
VEGETABLES, MIXED 55/	14131.1	1960.6	1675.8	8683.1	4248.6	1970.8	32669.9			
FROZEN CANNED	6018.4	618.7	524.8	6124.1	2933.7	1382.6	17602.4			
	7792.8	1272.0	1151.0	1911.2	1050.9	588.2	13766.2			
OTHER 56/	115086.3	2345.6	2462.8	5745.4	4072.2	1086.7	130798.9			
FROZEN CANNED OTHER	3164.7	33.1	4.9	124.2	95.2	22.2	3444.2			
	43255.5	344.1	1779.8	449.7	2099.3	812.9	48741.4			
	60574.3	1968.4	669.3	5171.5	1737.7	196.0	70317.2			
FRUITS	672588.8	68786.9	27647.8	155546.2	46630.0	45520.0	1016719.7			
CITRUS 57/	233863.0	55385.6	3828.6	62091.4	16281.2	7425.6	378875.4			
LEMONS	178799.2	52782.5	1383.6	22476.0	8202.7	4098.3	267742.1			
LIMES	13392.4	651.3	42.0	4679.8	2468.1	144.3	21378.0			

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TABLE 17 --QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS,
1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS						GRAND TOTAL
	HOSPITALS	NURSING OR CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL, OR NORMAL SCHOOLS	OTHER INSTITUTIONAL FACILITIES	TOTAL INSTITUTIONAL		
OTHER	1934.5	51217.6	39.4	0.0	53191.5	82092.6	
CORN 53/	51278.3	70724.0	68133.1	946.5	191081.9	387383.4	
FROZEN CANNED	3098.4	2888.0	2280.1	129.6	8396.2	78206.5	
	46763.3	37825.4	65806.2	816.9	151211.8	268526.9	
SPINACH	6728.6	14621.7	968.2	648.8	22967.2	52303.8	
FROZEN CANNED OTHER	4189.6	5378.6	922.1	87.4	10577.7	21917.9	
	2365.5	9165.8	0.0	434.8	11966.1	18559.2	
	173.4	77.3	46.1	126.6	423.4	11826.7	
GREENS 54/	2027.1	4961.5	704.7	720.1	8413.4	27981.9	
FROZEN CANNED	1256.3	172.8	624.2	17.5	2070.8	12742.4	
	568.5	3707.7	79.6	702.6	5058.3	11717.9	
VEGETABLE SALAD MIX	12768.0	5874.6	5506.9	1965.5	26115.1	242450.9	
VEGETABLES, MIXED 55/	16643.3	44015.5	2318.4	597.8	63575.0	96244.9	
FROZEN CANNED	7162.7	17194.1	2004.0	528.0	26888.7	44491.1	
	978.6	26151.7	314.4	69.9	27514.6	41280.8	
OTHER 56/	15174.9	19007.3	15265.5	511.0	49958.8	180757.7	
FROZEN CANNED OTHER	2210.7	716.9	5210.0	46.6	8184.2	11628.4	
	7391.5	12051.2	6128.8	219.3	25790.8	74532.2	
	5522.4	5167.2	3884.2	245.1	14818.9	85136.2	
FRUITS	225065.0	400318.0	278831.4	18669.2	922883.6	1939603.4	
CITRUS 57/	32826.7	47480.9	10944.6	4289.1	95541.3	474416.7	
LEMONS LIMES	7935.3	6563.7	2867.5	34.9	17401.4	285143.5	
	34.6	25.4	141.1	0.0	201.0	21579.0	
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TABLE 17 --QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS, 1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS									
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, HOTELS, TOURIST COURTS	RECREATION, CIVIC OR SOCIAL ASSOCIATIONS	OTHER PUBLIC OUTLETS	TOTAL PUBLIC			
ORANGES	35372.1	1723.8	2170.7	22094.5	5025.3	1120.5	67506.9			
GRAPEFRUIT	5759.2	228.0	232.2	11508.2	427.8	897.0	19052.3			
OTHER FRUIT	438725.7	13401.3	23819.3	93454.9	30348.8	38094.4	637844.4			
APPLES 58/ CANNED	56781.1	337.2	156.7	22995.6	7403.8	3931.9	91606.3			
OTHER	16501.5	172.4	0.0	1372.8	3484.7	95.5	21626.9			
	38932.3	50.4	46.4	18446.8	3655.1	3836.5	64967.4			
APPLESAUCE	21109.4	816.2	366.9	2482.3	1601.6	724.0	27100.4			
BANANAS	27293.7	3414.0	1054.2	6360.8	1264.0	6577.7	45964.5			
PEARS	34665.9	430.6	706.6	3607.5	1714.0	4387.2	45511.8			
APRICOTS	1604.5	623.0	593.0	0.0	10.1	547.4	3377.9			
CHERRIES 59/ PEACHES	9145.3	0.0	288.4	651.8	859.8	832.4	11777.7			
	41221.0	1076.9	674.9	2680.5	3746.9	10111.7	59512.0			
PINEAPPLES	39085.6	638.2	1056.2	6387.2	3084.4	1762.5	52014.2			
PLUMS	1277.3	227.2	393.2	46.4	480.4	0.0	2424.5			
CRANBERRIES 60/ STRAWBERRIES	4815.9	0.0	24.0	0.0	40.7	0.0	4880.6			
	40654.8	90.3	43.9	13224.9	535.3	361.7	54911.0			
FRUIT COCKTAIL	11147.7	665.6	158.5	7551.1	2168.6	5327.7	27019.1			
MIXED FRUIT	12657.0	642.7	304.1	744.3	705.1	684.3	15737.6			
FRUIT PIE FILLING	27458.5	239.2	17601.8	2161.9	1603.2	844.5	49909.1			
OTHER 61/	109789.4	4200.1	396.8	24560.6	5130.9	2001.4	146079.1			

CONTINUED--

TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS,
1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS										GRAND TOTAL
	HOSPITALS	NURSING OR CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL, OR NORMAL SCHOOLS	OTHER INSTITUTIONAL FACILITIES	INSTITUTIONAL	INSTITUTIONAL	INSTITUTIONAL	INSTITUTIONAL	INSTITUTIONAL	INSTITUTIONAL	
ORANGES	16942.4	30153.8	4996.6	4009.5	56102.4	123609.3					
GRAPEFRUIT	7453.6	9535.9	1562.9	244.6	18797.0	37849.3					
OTHER FRUIT	192238.3	352837.1	267886.8	14380.1	827342.4	1465186.7					
APPLES 58/ CANNED OTHER	27232.5 8606.9 16609.7	41864.9 4876.9 33727.4	40345.7 28025.8 7663.6	3706.6 0.0 3706.6	113149.8 41509.6 61707.3	204756.1 63136.4 126674.8					
APPLESAUCE	14210.0	43857.6	34638.3	823.6	93529.6	120630.0					
BANANAS	14929.7	23783.7	2712.5	1273.5	42699.5	88664.0					
PEARS	25348.5	28189.8	7448.3	1290.9	62277.5	107789.3					
APRICOTS	7150.5	16594.3	3480.1	0.0	27225.0	30602.9					
CHERRIES 59/ PEACHES	4644.9 40613.0	2124.4 44682.0	4706.3 11706.8	99.0 1653.8	11574.6 98655.5	23352.3 158167.5					
PINEAPPLES	11725.2	21819.7	77327.3	1057.5	111929.7	163943.9					
PLUMS	2356.9	15357.7	443.2	674.9	18832.7	21257.2					
CRANBERRIES 60/ STRAWBERRIES	2131.0 4464.0	9310.1 1997.9	241.3 6688.7	481.8 0.0	12164.2 13150.6	17044.8 68061.6					
FRUIT COCKTAIL	12748.1	29715.6	2826.3	939.7	46229.6	73248.7					
MIXED FRUIT	2449.3	6037.0	341.5	452.4	9280.2	25017.8					
FRUIT PIE FILLING	5472.4	20529.6	64291.4	820.0	91113.4	141022.5					
OTHER 61/	16760.3	46972.8	10689.0	1106.4	75528.5	221607.6					

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TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS, 1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS							TOTAL PUBLIC OUTLETS	TOTAL PUBLIC
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	RECREATION, CIVIC OR SOCIAL ASSOCIATIONS	OTHER PUBLIC OUTLETS			
JUICES, ADES AND DRINKS	223341.1	20252.0	6916.2	43937.3	24652.0	14393.9	333492.5		
ORANGE JUICE 62/	77650.0	15151.8	3446.0	32709.0	18148.3	4924.5	152029.6		
GRAPEFRUIT JUICE 63/	12941.7	1276.3	738.3	2752.6	1762.5	5592.5	25063.8		
LEMON JUICE 64/	6537.3	87.0	0.0	104.7	19.1	185.8	6934.0		
APPLE JUICE 65/	7238.2	260.2	38.7	278.7	274.4	60.5	8150.7		
PINEAPPLE JUICE 66/	7213.1	326.0	38.6	2341.2	284.0	11.0	10213.9		
PRUNE JUICE	714.8	0.0	0.0	1046.1	161.1	71.0	1993.0		
GRAPE JUICE 67/	5336.7	27.8	15.4	0.0	479.4	0.0	5859.3		
TOMATO JUICE	25685.3	2763.4	706.4	3298.6	1499.7	524.0	34477.2		
OTHER JUICE 68/	9797.7	104.3	82.6	631.5	317.9	2950.3	13884.2		
APRICOT NECTAR	216.3	0.0	0.0	0.0	174.8	0.0	391.1		
OTHER NECTARS 69/	1104.3	0.0	0.0	0.0	0.0	0.0	1104.3		
CRANBERRY COCKTAIL	15248.6	83.8	0.0	138.3	233.7	5.6	15709.9		
LEMONADE	8601.7	22.9	21.6	179.4	53.1	23.6	8902.4		
OTHER ADES, DRINKS OR PUNCHES 70/	6712.9	0.0	37.8	305.3	473.7	11.1	7540.9		
COLD DRINK POWDERS	2806.3	17.5	40.3	0.0	48.9	34.2	2947.2		
COLD DRINK SYRUPS	35536.2	131.0	1750.4	151.9	721.3	0.0	38290.9		
BEVERAGES	917270.9	66244.6	30254.8	73155.4	358576.4	29296.2	1474798.4		
COFFEE 71/	265415.6	5253.9	5332.8	19936.8	9926.8	4613.7	310479.6		
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TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS,
1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS						GRAND TOTAL	
	HOSPITALS	NURSING OR CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL, OR NORMAL SCHOOLS			OTHER INSTITUTIONAL FACILITIES		TOTAL INSTITUTIONAL
JUICES, ADES AND DRINKS	66880.0	105009.5	31804.7	2814.8	206508.9	540001.5		
ORANGE JUICE 62/	10882.2	16132.9	14166.1	830.6	42011.8	194041.4		
GRAPEFRUIT JUICE 63/	2255.5	7360.7	654.2	103.7	10374.2	35437.9		
LEMON JUICE 64/	1530.3	246.2	287.8	0.0	2064.3	8998.3		
APPLE JUICE 65/	10239.9	8711.1	5668.2	317.4	24936.7	33087.3		
PINEAPPLE JUICE 66/	4542.0	5268.0	2644.6	120.2	12574.8	22788.7		
PRUNE JUICE	4523.3	16426.3	0.1	52.6	21002.3	22995.4		
GRAPE JUICE 67/	1572.4	4005.3	2874.0	76.9	8528.6	14387.9		
TOMATO JUICE	10509.8	5630.7	666.2	499.1	17305.8	51783.0		
OTHER JUICE 68/	2823.8	11726.2	1369.5	152.2	16071.6	29955.8		
APRICOT NECTAR	3043.2	3637.6	145.1	0.0	6825.9	7217.0		
OTHER NECTARS 69/	743.7	742.1	25.1	0.0	1510.9	2615.3		
CRANBERRY COCKTAIL	4160.8	8747.4	157.1	16.5	13081.9	28791.8		
LEMONADE	6342.0	3931.3	350.4	5.8	10629.5	19531.9		
OTHER ADES, DRINKS OR PUNCHES 70/	3248.7	9396.0	534.9	138.1	13317.7	20858.6		
COLD DRINK POWDERS	81.3	2270.7	1859.1	501.5	4712.6	7659.8		
COLD DRINK SYRUPS	381.1	777.0	402.3	0.0	1560.3	39851.3		
BEVERAGES	45408.3	98269.3	40037.2	3384.5	187099.3	1661897.7		
COFFEE 71/	23573.6	40476.5	7390.0	237.4	71677.4	382157.1		
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TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS, 1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS							TOTAL PUBLIC
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	RECREATION, CIVIC OR SOCIAL ASSOCIATIONS	OTHER PUBLIC OUTLETS		
BEAN OR GROUND INSTANT	206462.7 58296.1	5181.2 72.7	4949.9 367.1	16208.9 3603.1	6539.7 3378.1	4135.6 100.6	243478.1 65817.6	
TEA 72/	29355.2	733.6	1131.2	3294.5	2763.0	611.6	37889.1	
COCOA 73/	34089.3	59.1	681.8	528.3	19341.9	62.8	54763.1	
DRY MIX	23838.1	59.1	673.0	519.6	19341.9	62.8	44494.4	
CARBONATED SOFT DRINKS	417004.1	23848.3	23098.5	16362.5	53460.5	24008.1	557782.0	
MIXES OR BOTTLED WATER	171406.7	36349.7	10.5	33033.4	273084.2	0.0	513884.5	
SOUPS, GRAVIES AND SAUCES	417268.0	8183.2	8570.4	12561.4	13249.9	40522.2	500355.0	
SOUP 74/	158601.4	2574.9	3027.6	4895.0	4159.3	34602.2	207860.3	
WITH POULTRY	21693.7	846.4	548.0	519.2	1337.3	11355.6	36300.2	
WITH BEEF	8563.7	21.6	361.7	1070.5	1035.8	8.7	11062.1	
WITH VEGETABLES	84485.8	1418.4	1458.9	2214.7	881.8	14713.9	105173.4	
OTHER	43858.2	283.1	653.0	1090.5	883.7	8524.0	55292.4	
SOUP BASES OR BOUILLON 75/	67042.3	764.3	1100.1	671.1	2300.5	2893.3	74771.7	
WITH POULTRY	32004.2	85.4	363.9	490.6	998.2	875.2	34817.5	
WITH MEAT	33369.9	652.4	736.2	104.5	1198.2	1162.7	37223.9	
OTHER	1064.9	0.0	0.0	76.0	104.1	855.4	2100.3	
GRAVIES 76/	23041.8	196.8	19.9	26.2	91.4	114.6	23490.6	
BROWN	4028.6	0.0	19.9	0.0	33.3	47.3	4129.1	
OTHER	18275.8	196.8	0.0	26.2	38.2	67.3	18604.2	
SAUCES 77/	168582.6	4647.2	4422.8	6969.1	6698.7	2912.1	194232.4	
TOMATO BASE	34340.3	510.3	349.6	312.0	2378.7	922.3	38813.2	
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TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS,
1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS							GRAND TOTAL
	HOSPITALS	NURSING OR CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL, OR NORMAL SCHOOLS	OTHER INSTITUTIONAL FACILITIES	INSTITUTIONAL	TOTAL		
BEAN OR GROUND INSTANT	7528.4 13736.0	7634.1 30621.4	2420.0 4955.4	191.5 45.8	17774.0 49358.6	261252.1 115176.2		
TEA 72/	6250.2	11318.1	7731.1	1450.6	26750.0	64639.1		
COCOA 73/	2229.2	21330.0	3124.5	174.8	26858.5	81621.6		
DRY MIX	2220.0	21155.3	3115.9	174.8	26666.0	71160.4		
CARBONATED SOFT DRINKS	7927.0	13865.0	21078.3	658.1	43528.4	601310.4		
MIXES OR BOTTLED WATER	5428.4	11279.6	713.3	863.6	18284.9	532169.5		
SOUPS, GRAVIES AND SAUCES	47620.6	78617.6	15711.5	6199.1	148148.8	648503.8		
SOUP 74/	36326.2	41009.0	8836.5	4894.8	91066.5	298926.9		
WITH POULTRY	9357.8	11593.2	1306.9	1055.3	23313.2	59613.4		
WITH BEEF	2632.8	3790.0	580.7	400.0	7403.5	18465.6		
WITH VEGETABLES	23547.9	24098.0	3475.6	3036.9	54158.3	159331.8		
OTHER	787.7	1527.9	3178.5	402.5	5896.6	61189.0		
SOUP BASES OR BOUILLON 75/	7820.6	5249.1	4621.0	141.5	17832.1	92603.8		
WITH POULTRY	2255.1	2425.5	3224.9	52.5	7958.0	42775.5		
WITH MEAT	5387.9	2532.3	1283.8	88.9	9293.0	46516.8		
OTHER	132.5	272.4	112.3	0.0	517.2	2617.5		
GRAVIES 76/	323.9	2117.7	596.2	23.3	3061.0	26551.6		
BROWN	84.6	683.8	11.4	0.0	779.8	4908.8		
OTHER	236.4	1433.9	584.7	23.3	2278.3	20882.5		
SAUCES 77/	3150.0	30241.8	1657.8	1139.6	36189.2	230421.6		
TOMATO BASE	566.9	21387.5	243.2	742.3	22939.8	61753.0		

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CONTINUED--

TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS, 1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS						TOTAL PUBLIC OUTLETS	TOTAL PUBLIC
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	RECREATION, CIVIC OR SOCIAL ASSOCIATIONS	OTHER PUBLIC OUTLETS		
OTHER	134242.3	4136.9	4073.2	6657.1	4319.9	1989.8	155419.2	
PREPARED FOODS 78/	321993.5	16797.0	4876.2	27842.7	45253.0	2959.3	419721.6	
HORS D'OEUVRES/APPETIZERS	19938.2	539.9	535.9	17510.1	10967.3	6.2	49497.6	
SALAD OR SALAD TYPE MIXTURES	79955.8	1509.6	844.4	1760.9	1387.1	372.9	85830.8	
SANDWICHES	27481.2	7645.9	693.3	0.0	23214.3	24.8	59059.5	
MEALS OR ENTREES	164175.6	4309.0	1350.2	7050.0	6835.7	1311.6	185032.0	
PUDDING OR CREAM DESSERTS 79/	23398.8	2117.1	1378.1	1352.4	2453.8	1193.6	31893.7	
GELATIN	5935.5	96.4	74.3	169.4	394.9	50.3	6720.8	
NUTS AND SNACKS	307496.7	201979.1	14916.9	9083.3	116627.7	7138.2	657242.0	
PEANUTS	12305.9	2525.7	263.1	23.4	5940.4	30.3	21088.8	
PEANUT BUTTER	1785.8	4.9	2258.9	4.7	35.1	253.7	4343.0	
NUTS 80/	6459.2	2127.6	626.5	1715.3	1618.1	9.8	12556.5	
POTATO CHIPS OR STICKS	190242.1	56237.7	8941.2	5302.6	89442.5	4780.7	354946.7	
OTHER 81/	96703.8	141083.3	2827.2	2037.4	19591.6	2063.7	264307.1	
CONDIMENTS AND SEASONINGS 82/	1356896.0	308371.1	32370.2	60003.9	159420.9	27418.2	1944480.4	
TOMATO CATSUP	314821.0	223670.4	6030.5	2590.2	31895.7	316.6	579324.5	
MUSTARD	131476.1	5842.1	1078.9	1167.2	6958.7	1026.3	147549.3	
SALT 83 /	299180.4	11685.2	3464.3	24817.8	24019.7	12854.9	376022.3	
PEPPER 84/	105321.6	2780.4	2344.4	17868.7	62831.0	6269.9	197415.8	
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TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS,
1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS							GRAND TOTAL
	HOSPITALS	NURSING OR CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL, OR NORMAL SCHOOLS	OTHER INSTITUTIONAL: FACILITIES	INSTITUTIONAL: FACILITIES	TOTAL		
OTHER	2583.1	8854.4	1414.6	397.3	13249.4	168668.6	168668.6	
PREPARED FOODS 78/	50368.9	66717.3	12736.5	6050.6	135873.2	555594.8	555594.8	
HORS D'OEUVRES/APPETIZERS	1076.7	50.4	305.6	5.9	1438.6	50936.2	50936.2	
SALAD OR SALAD TYPE MIXTURES	3314.4	10899.5	1588.5	2351.6	18153.9	103984.7	103984.7	
SANDWICHES	594.3	3544.6	245.5	210.5	4594.8	63654.3	63654.3	
MEALS OR ENTREES	21364.9	9809.7	4401.2	1660.3	37236.1	222268.2	222268.2	
PUDDING OR CREAM DESSERTS 79/	20350.9	20490.4	3805.0	1622.6	46268.9	78162.6	78162.6	
GELATIN	2878.9	21818.5	2386.3	199.7	27283.5	34004.2	34004.2	
NUTS AND SNACKS	8662.0	34386.0	11619.4	2567.4	57234.9	714476.9	714476.9	
PEANUTS	249.5	414.2	62.1	121.3	847.2	21936.0	21936.0	
PEANUT BUTTER	214.4	22626.0	1770.1	1011.4	25621.9	29964.9	29964.9	
NUTS 80/	554.2	224.0	343.3	0.0	1121.5	13678.1	13678.1	
POTATO CHIPS OR STICKS	5431.9	9792.8	8312.3	1289.2	24826.2	379772.9	379772.9	
OTHER 81/	2211.9	1329.1	1131.5	145.6	4818.1	269125.2	269125.2	
CONDIMENTS AND SEASONINGS 82/	84481.3	128756.0	25917.5	2100.5	241255.3	2185735.7	2185735.7	
TOMATO CATSUP	17661.6	7386.4	2231.2	75.9	27355.2	606679.7	606679.7	
MUSTARD	6344.4	11193.1	1504.3	425.9	19467.6	167016.9	167016.9	
SALT 83 /	14014.2	57721.7	4673.4	86.5	76495.8	452518.1	452518.1	
PEPPER 84/	10536.2	24260.3	2163.4	80.6	37040.5	234456.4	234456.4	
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TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS, 1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS									
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	RECREATION, CIVIC OR SOCIAL ASSOCIATIONS	OTHER PUBLIC OUTLETS	TOTAL PUBLIC			
VINEGAR	28328.3	470.5	361.9	487.1	1796.4	202.6	31646.8			
HORSERADISH	5297.6	699.8	0.0	8.3	103.0	400.2	6509.0			
PICKLES	286669.8	58983.8	6086.0	7389.1	11038.4	4054.3	374221.3			
RELISH, PICKLED	55621.1	706.8	11350.4	969.0	4412.6	912.8	73972.7			
RELISH, OTHER 85/	3664.1	173.3	46.6	1247.9	62.8	253.7	5448.4			
OLIVES	72899.4	1519.8	106.7	2726.3	14930.9	886.8	93070.0			
HERBS OR SPICES	9443.4	327.4	1063.7	292.7	253.1	57.6	11437.7			
OTHER SEASONINGS 86 /	25558.9	427.8	431.3	345.4	523.7	182.6	27469.7			
COOKING WINE OR SHERRY	6692.0	48.3	0.0	94.0	108.8	0.0	6943.1			
TOTAL	29008626.2	1535304.1	1301776.9	221495.3	2625901.2	943612.7	37629716.4			CONTINUED--

TABLE 17 -- QUANTITY OF FOODS RECEIVED AT ESTABLISHMENTS WITH FOOD SERVICE, BY PRODUCT AND KIND OF BUSINESS,
1979--CONTINUED
(THOUSANDS)

PRODUCT CATEGORY	KIND OF BUSINESS						
	HOSPITALS	NURSING OR CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL, OR NORMAL SCHOOLS	OTHER INSTITUTIONAL FACILITIES	TOTAL INSTITUTIONAL	TOTAL	GRAND TOTAL
VINEGAR	1331.0	5649.6	759.0	276.6	8016.3	39663.1	
HORSERADISH	26.3	263.3	26.7	0.0	316.4	6825.4	
PICKLES	3193.4	8588.7	4420.8	386.5	16589.4	390810.7	
RELISH, PICKLED	1946.4	2833.9	1083.8	266.8	6130.9	80103.6	
RELISH, OTHER 85/	415.8	680.1	3904.8	116.5	5117.2	10565.6	
OLIVES	1073.3	3195.8	2846.8	0.0	7115.9	100185.9	
HERBS OR SPICES	1169.9	1822.4	602.5	165.1	3759.8	15197.6	
OTHER SEASONINGS 86 /	2027.8	1809.7	1481.7	197.2	5516.4	32986.1	
COOKING WINE OR SHERRY	139.8	1104.9	202.3	0.0	1447.0	8390.1	
TOTAL	3188378.1	6393349.7	1748889.7	288788.5	11619406.1	49249122.5	

FOOTNOTES TO TABLE 17

- 1/ Includes diet liquids and powders and miscellaneous and unspecified products with a dairy base.
- 2/ Includes buttermilk, chocolate milk, imitation milk, filled fluid milk, chocolate milk drink, and other fluid milk.
- 3/ Includes half and half and whipping cream in pressure can.
- 4/ Includes imitation sour cream, cream topping in pressure can, and creamer.
- 5/ Includes ice cream mix, ice milk, custard, Eskimo pies, sherbert, and other frozen milk desserts and ices.
- 6/ Includes prepared shakes, bases and mixes, and egg nog.
- 7/ Includes cottage and imitation cheese.
- 8/ Includes cake, pastry, and icing shortenings and other fats.
- 9/ Includes unpopped popcorn.
- 10/ Includes grits, hominy, barley, and unspecified cereals.
- 11/ Includes unspecified pastes.
- 12/ Excludes cornbread. Includes date, fruit nut, and spoonbread.
- 13/ Includes croutons, breading, cornbread, toast, bread sticks, and assorted bread and cracker crumbs.
- 14/ Includes bagels and unspecified products of this type.
- 15/ Includes unspecified cones, poptarts, sweet rolls, turnovers, strudel and products of this type.
- 16/ Included under the Frozen category is Boston cream pie and under the Other category, cupcakes and brownies.
- 17/ Includes bakery crusts and shells, soft pretzels, blintzes, cones, crepes, and chow mein noodles.
- 18/ Includes icings, meringue powder, baking chips and baking chocolate, coconut, leavening agents, and miscellaneous other products used in baking.
- 19/ Includes unspecified meats and beef and veal cuts.
- 20/ Includes sectioned and formed beef rolls, engineered steaks, and veal chops.
- 21/ Includes corned rounds, pastrami, dried beef and products of this type.

- 22/ Includes carcasses and primal and wholesale cuts.
- 23/ Includes meatballs, meatloaf, and unspecified ground meat products.
- 24/ Includes beef crumbles and ground meat with additives.
- 25/ Includes stew meat and short ribs.
- 26/ Includes primal and wholesale cuts, rolls, bellies, scrapple, fat back, pig's feet, and other products of this type not specified.
- 27/ Includes cutlets and tenderloins.
- 28/ Includes bacon substitutes and TVP bacon bits.
- 29/ Includes venison, rabbit, and other game meat.
- 30/ Includes sweetbread, tripe, tongue, chitterlings, heart, and varietal meats not specified.
- 31/ Excludes pork sausage. Includes salami, pepperoni, bransweiger and products of this type.
- 32/ Includes cornished hens, capons, goose, quail, duck, pheasant, and unspecified poultry.
- 33/ Includes unspecified chicken.
- 34/ Includes canned, dried, cubed, rolled, and ground chicken and products of this type.
- 35/ Includes unspecified turkey.
- 36/ Includes scramble mix, omelet mix, hard-broiled, egg substitute, and other eggs and combinations not specified.
- 37/ Includes other processed finfish in addition to frozen and canned.
- 38/ Includes mussels, abalone, seafood blend, anchovies, lox, caviar, frog legs, and other seafood and marine specialties not specified.
- 39/ Includes sugar substitutes.
- 40/ Includes molasses.
- 41/ Includes marmalade preserves and fruit butter.
- 42/ Includes syrups and toppings; also, malt powder and malt liquid with pump.
- 43/ Includes yams.

- 44/ Excludes cocktail onions, seasonings (granules, salt, powder and juice), and sliced, diced, and chopped onions. Includes onion rings.
- 45/ Includes fresh and mature onions and canned stewed onions.
- 46/ Includes fresh peas. Also includes chick, garbanzo, and black eye peas.
- 47/ Excludes diced and dried peppers. Includes sweet and hot.
- 48/ Includes vegetarian beans.
- 49/ Includes Chinese and sweet and sour.
- 50/ Includes products in addition to canned and fresh.
- 51/ Includes products in addition to frozen and fresh.
- 52/ Includes products in addition to frozen and fresh; also includes zucchini.
- 53/ Includes products in addition to frozen and canned.
- 54/ Includes products in addition to frozen and canned.
- 55/ Includes products in addition to frozen and canned.
- 56/ Includes products in addition to frozen, canned, and fresh.
- 57/ Includes citrus salad, tangerines, and unspecified products of this type.
- 58/ Includes baked apples and other apple products in addition to canned and fresh.
- 59/ Excludes maraschino cherries.
- 60/ Includes cranberry sauce.
- 61/ Includes avocados, raspberries, grapes, melons, maraschino cherries, compote, raisins, dates, figs, prunes, and other unspecified fruits.
- 62/ Includes orange base.
- 63/ Includes grapefruit base.
- 64/ Includes lemon crystals and base.
- 65/ Includes cider and apple base.
- 66/ Includes pineapple base.
- 67/ Includes grape base and grape base concentrate.

- 68/ Includes blends, lime, cranapple, and other unspecified fruit and vegetable juices and bases.
- 69/ Includes pear, peach, and other unspecified nectars.
- 70/ Includes fruit, grape, and other unspecified products and bases of this type.
- 71/ Includes coffee substitutes and unspecified products of this type.
- 72/ Includes instant and ice tea mix.
- 73/ Includes syrup and unspecified products of this type.
- 74/ Includes unspecified soups.
- 75/ Includes unspecified product of this type.
- 76/ Includes unspecified gravies.
- 77/ Includes cocktail, steak, cheese, white sauce mix and unspecified products of this type.
- 78/ Includes unspecified health and diet products, prepared baby formulas, and fruit and cereal mixtures.
- 79/ Includes pudding pie mix.
- 80/ Includes mixed and unspecified nuts and peanuts.
- 81/ Includes popcorn, pretzels, corn chips, and unspecified products of this type.
- 82/ Includes benzoate of soda, tenderizer and unspecified products of this type.
- 83/ Includes 50/50 flour salt and seasoned salt.
- 84/ Includes cayenne, white, and red pepper.
- 85/ Includes dill, cauliflower, cocktail onions, corn relish, cherry peppers and other relish products.
- 86/ Includes onion salt, dehydrated sliced and chopped onions, seasoned tenderizer, garlic salt, celery salt and other products of this type.

TABLE 18 -- INVENTORY OF EQUIPMENT AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS, 1979--CONTINUED

EQUIPMENT	KIND OF BUSINESS							TOTAL PUBLIC
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	CIVIC, SOCIAL, RECREATIONAL, OR FRATERNAL, OR AMUSEMENT PLACES	OTHER PUBLIC OUTLETS		
REFRIGERATORS, TOTAL	798,477	80,868	31,970	89,386	27,817	64,055	37,440	1,130,013
FULL SIZE, REACH IN COUNTER OR UNDERCOUNTER HEIGHT	354,344	37,345	16,213	42,345	16,540	36,823	22,123	525,733
WALK-IN MOBILE CARTS	250,675 169,055 24,403	28,929 14,133 461	12,842 2,412 503	22,400 18,142 6,499	5,320 4,741 1,216	15,449 10,652 1,131	7,251 5,554 2,512	342,866 224,689 36,725
FREEZERS, TOTAL	503,315	35,689	24,413	33,454	15,338	47,326	15,845	675,380
REACH-IN: FULL SIZE COUNTER OR UNDERCOUNTER HEIGHT	299,090	25,979	16,156	18,892	12,230	30,299	8,564	411,210
WALK-IN MOBILE CARTS	125,602 73,205 5,418	6,719 1,716 1,275	7,683 574 ---	4,791 8,400 1,371	2,213 895 ---	12,518 4,213 296	4,345 2,936 ---	163,871 91,939 8,360
OTHER RECEIVING AND STORAGE EQUIPMENT, TOTAL	334,501	13,188	18,908	51,194	14,783	27,910	14,848	475,332
RECEIVING SCALES HAND TRUCKS AND DOLLIES INGREDIENT BINS, MOBILE	84,758 111,589 138,154	2,577 9,295 1,316	1,161 2,330 15,417	8,138 23,897 19,159	1,650 6,742 6,391	5,324 13,344 9,242	1,639 5,035 8,174	105,247 172,232 197,853
SHELVING (LINEAR FOOTAGE), TOTAL	32,240,624	2,370,136	1,312,059	3,273,286	761,113	2,628,983	1,409,745	43,995,946
PORTABLE: WIRE SOLID	4,687,375 3,621,418	150,686 273,588	74,344 191,461	600,256 588,431	94,557 45,526	250,284 182,796	139,629 450,364	5,997,131 5,353,584
STATIONARY: WIRE WOOD OTHER SOLID	6,975,182 12,531,617 4,425,032	333,744 1,274,124 337,994	335,893 408,688 301,673	450,174 1,085,977 548,448	106,688 438,092 76,250	468,344 1,279,602 447,957	348,375 358,754 112,623	9,018,400 17,376,854 6,249,977

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TABLE 18 -- INVENTORY OF EQUIPMENT AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS, 1979--CONTINUED

EQUIPMENT	KIND OF BUSINESS							
	PRIVATE HOSPITALS	PUBLIC HOSPITALS	RESIDENTIAL CARE FACILITIES	NURSING AND PERSONAL CARE FACILITIES	COLLEGES UNIVERSI- TIES PROFESSIONAL OR NORMAL SCHOOLS	OTHER INSTITU- TIONAL FACILITIES	TOTAL INSTITU- TIONAL	GRAND TOTAL
REFRIGERATORS, TOTAL	33,370	21,760	40,396	49,700	26,994	10,766	182,986	1,312,999
FULL SIZE, REACH IN COUNTER OR UNDERCOUNTER HEIGHT	16,442	11,430	30,039	33,525	13,445	7,166	112,047	637,780
WALK-IN MOBILE CARTS	4,061 8,613 4,254	1,845 6,917 1,568	2,783 6,038 1,536	4,236 8,235 3,704	4,654 6,710 2,185	1,648 1,413 539	19,227 37,926 13,786	362,093 262,615 50,511
FREEZERS, TOTAL	14,292	9,803	28,962	31,906	13,623	6,701	105,287	780,667
REACH-IN: FULL SIZE COUNTER OR UNDERCOUNTER HEIGHT	7,332	5,137	22,274	22,875	8,026	5,477	71,121	482,331
WALK-IN MOBILE CARTS	1,923 4,603 434	1,365 2,922 379	2,832 3,856 ---	3,589 5,124 318	2,015 3,546 36	173 1,051 ---	11,897 21,102 1,167	175,768 113,041 9,527
OTHER RECEIVING AND STORAGE EQUIPMENT, TOTAL	28,142	22,608	31,700	48,617	19,931	5,435	156,433	631,765
RECEIVING SCALES	3,131	2,373	2,075	6,455	2,140	393	16,567	121,814
HAND TRUCKS AND DOLLIES	9,095	9,279	8,624	12,415	8,595	2,080	50,088	222,320
INGREDIENT BINS, MOBILE	15,916	10,956	21,001	29,747	9,196	2,962	89,778	287,631
SHELVING (LINEAR FOOTAGE), TOTAL	1,347,612	796,706	2,634,691	2,521,188	1,550,441	576,081	9,426,719	53,422,665
PORTABLE: WIRE SOLID	466,262 152,400	87,908 87,864	377,299 187,481	489,705 112,027	321,190 128,085	139,758 7,531	1,882,122 675,388	7,879,253 6,028,972
STATIONARY: WIRE WOOD OTHER SOLID	238,021 153,476 337,453	104,481 173,630 342,823	599,622 1,242,319 227,970	370,143 1,266,289 283,024	298,945 604,284 197,937	111,956 97,814 219,022	1,723,168 3,537,812 1,608,229	10,741,568 20,914,666 7,858,206

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TABLE 18 -- INVENTORY OF EQUIPMENT AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS, 1979--CONTINUED

EQUIPMENT	KIND OF BUSINESS							TOTAL PUBLIC
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, TOURIST COURTS	: CIVIC, SOCIAL, OR FRATERNAL ASSOCIATIONS	: RECREATIONAL AMUSEMENT PLACES	: OTHER OUTLETS	
FOOD PREPARATION EQUIPMENT, TOTAL	3,003,898	205,247	131,138	301,347	111,432	278,266	123,857	4,155,185
BREAD SLICER	12,602	559	1,702	1,213	621	1,431	448	18,576
MEAT SLICING MACHINE	143,858	14,107	7,094	12,094	6,460	12,159	7,249	203,021
POWER MEAT SAW	15,279	394	---	1,843	468	599	902	19,485
TENDERIZING MACHINE	11,835	159	---	788	294	1,772	491	15,339
PATTY MAKER, AUTOMATIC	16,098	580	353	258	273	840	306	18,708
MEAT CHOPPER	37,430	908	1,789	3,874	1,384	4,204	3,240	52,829
VEGETABLE CUTTER, DICER, SLICER, POWERED:								
STATIONARY	62,926	2,155	2,296	4,704	1,875	3,682	2,740	80,378
ROTATING BOWL	33,099	431	1,363	3,146	816	2,402	1,810	43,067
VEGETABLE CUTTER, DICER, ATTACHMENT	54,571	1,021	2,085	7,463	1,695	3,527	3,718	74,080
PEELERS	58,039	3,179	1,049	2,913	1,965	7,966	1,331	76,442
FOOD MIXERS AND BEATERS	139,474	6,640	8,923	14,144	6,424	11,674	7,667	194,946
BREADING MACHINE	9,898	---	1,018	141	---	1,410	127	12,594
DOUGH DIVIDER AND ROUNDER	13,124	230	1,874	1,303	280	1,578	127	18,516
ICE MAKING MACHINES	229,610	18,707	8,109	31,272	10,210	25,440	7,470	330,818
PORTION CONTROL SCALES	245,601	7,790	8,259	24,356	3,688	12,984	8,812	311,490
WORK TABLE TOPS OR CUTTING BOARDS	622,767	34,671	21,475	58,763	18,350	51,237	22,734	829,997
SINKS	707,969	75,196	32,234	54,669	24,813	56,540	25,104	976,525
TRAY MAKE UP CONVEYOR	13,555	113	102	1,040	250	2,019	574	17,653
WAFFLE IRONS	20,118	391	183	5,891	128	2,029	218	28,958
POPCORN POPPERS	5,951	2,778	1,425	2,240	1,465	4,055	90	18,004
TOASTERS:								
POP-UP TYPE	193,243	14,919	12,841	20,667	9,077	20,142	12,830	283,719
CONVEYOR TYPE	32,085	---	503	7,528	280	2,032	1,141	43,569
COFFEE MAKERS:								
BOTTLE BREWERS:								
AUTOMATIC	128,636	5,597	8,672	11,523	3,008	17,019	3,097	177,552
MANUAL POUR OVER	44,152	3,331	2,358	3,696	1,148	6,236	618	61,539
COFFEE URNS:								
AUTOMATIC	95,517	7,872	2,883	13,966	11,344	15,335	8,146	155,063
MANUAL	27,035	2,974	1,303	6,718	4,349	8,071	2,638	53,088
HOT TEA URNS	29,426	545	1,245	5,134	767	1,883	229	39,229

--- = NOT AVAILABLE.

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TABLE 18-- INVENTORY OF EQUIPMENT AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS, 1979--CONTINUED

EQUIPMENT	KIND OF BUSINESS							GRAND TOTAL
	PRIVATE HOSPITALS	PUBLIC HOSPITALS	RESIDENTIAL CARE FACILITIES	NURSING AND PERSONAL CARE FACILITIES	COLLEGES AND UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	OTHER INSTITUTIONAL FACILITIES	TOTAL INSTITUTIONAL	
FOOD PREPARATION EQUIPMENT, TOTAL	135,601	91,556	209,873	281,633	134,126	50,853	903,642	5,058,827
BREAD SLICER	207	39	1,175	378	434	---	2,233	20,809
MEAT SLICING MACHINE	5,779	3,360	7,205	11,292	5,452	2,426	35,514	238,535
POWER MEAT SAW	52	624	234	115	529	---	1,554	21,039
TENDERIZING MACHINE	134	415	267	387	419	---	1,622	16,961
PATTY MAKER, AUTOMATIC	70	299	333	231	95	---	1,028	19,736
MEAT CHOPPER	1,263	1,303	2,990	7,411	1,848	719	15,534	68,363
VEGETABLE CUTTER, DICER, SLICER, POWERED: STATIONARY	1,555	1,355	3,561	4,047	2,295	433	13,246	93,624
ROTATING BOWL	1,183	1,012	1,285	3,952	2,262	312	10,006	53,073
VEGETABLE CUTTER, DICER, ATTACHMENT	1,733	2,054	3,457	5,505	2,737	895	16,381	90,861
PEELERS	1,095	1,911	5,154	6,901	1,877	1,169	18,107	94,549
FOOD MIXERS AND BEATERS	8,642	6,178	18,086	20,706	8,289	3,832	65,733	260,679
BREADING MACHINE	---	60	94	154	60	114	482	13,076
DOUGH DIVIDER AND ROUNDER	451	38	664	112	680	---	1,945	20,861
ICE MAKING MACHINES	6,945	6,992	6,198	13,232	8,400	3,265	45,032	375,850
PORTION CONTROL SCALES	11,774	7,472	7,932	16,647	10,824	2,352	57,001	368,491
WORK TABLE TOPS OR CUTTING BOARDS	30,527	15,467	40,304	44,783	27,847	11,252	170,180	1,000,177
SINKS	30,748	19,711	43,468	64,678	32,237	11,970	202,812	1,179,337
TRAY MAKE UP CONVEYOR	2,207	1,228	698	6,762	133	400	11,428	29,081
WAFFLE IRONS	748	418	4,224	2,218	313	239	8,160	37,118
POPCORN POPPERS	22	12	4,574	4,944	286	353	10,191	28,195
TOASTERS:								
POP-UP TYPE	11,047	6,174	17,948	14,752	9,842	1,919	61,682	345,401
CONVEYOR TYPE	3,057	4,855	2,703	8,900	2,089	750	22,354	65,923
COFFEE MAKERS:								
BOTTLE BREWERS:								
AUTOMATIC	2,576	1,599	5,692	6,725	2,875	1,396	20,863	198,415
MANUAL POUR-OVER	2,377	1,466	4,876	2,078	784	167	11,748	73,287
COFFEE URNS:								
AUTOMATIC	9,423	4,333	17,652	23,302	8,599	5,849	69,158	224,221
MANUAL	1,387	2,515	8,267	7,092	2,690	815	22,766	75,854
HOT TEA URNS	599	666	832	4,329	230	226	6,882	46,111

--- = NOT AVAILABLE.

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TABLE 18 -- INVENTORY OF EQUIPMENT AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS, 1979--CONTINUED

EQUIPMENT	KIND OF BUSINESS							TOTAL PUBLIC
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, HOTELS, TOURIST COURTS	:CIVIC, SOCIAL, RECREATIONAL: :OR FRATERNAL, OR AMUSEMENT: :ASSOCIATIONS: PLACES	:OTHER PUBLIC: :OUTLETS		
COOKING AND RECONSTITUTING EQUIPMENT:								
OVENS, TOTAL	425,132	34,099	14,023	46,691	21,538	46,033	19,115	606,631
DECK TYPE, ROASTING AND BAKING:								
GAS	115,943	9,904	3,806	13,605	6,388	10,304	2,145	162,095
ELECTRIC	27,597	814	731	3,076	1,401	2,748	3,211	39,578
CONVECTION, FLOOR OR COUNTER:								
GAS	40,852	3,082	1,057	5,754	4,283	4,644	3,727	63,399
ELECTRIC	15,913	415	283	3,574	1,117	1,183	1,469	23,954
CONVECTION, FLOOR OR COUNTER (ROLL-IN):								
GAS	5,988	220	102	498	150	662	361	7,981
ELECTRIC	2,431	---	---	970	125	94	717	4,337
ROTARY (REEL OR REVOLVING TRAY):								
GAS	1,809	159	119	220	---	---	---	2,307
ELECTRIC	889	329	---	---	---	---	---	1,218
INFRA-RED:								
GAS	10,780	338	---	642	150	1,787	---	13,697
ELECTRIC	10,137	3,135	682	466	560	1,385	---	16,365
LOW TEMPERATURE:								
GAS	3,165	---	194	608	---	1,410	---	5,377
ELECTRIC	5,453	318	118	1,290	609	1,158	2,065	11,011
CONVEYORIZED:								
GAS	348	---	---	---	---	---	---	348
ELECTRIC	493	---	---	---	246	---	---	739
RACK TYPE:								
GAS	14,970	1,075	943	2,191	1,019	2,300	1,572	24,070
ELECTRIC	4,395	---	---	5,718	1,040	1,207	813	13,173
PIZZA:								
GAS	45,606	1,353	---	1,045	280	608	---	48,892
ELECTRIC	17,893	4,966	930	---	716	5,246	307	30,058
ELECTRONIC (MICROWAVE):								
PLUG IN 110V	59,001	6,635	4,631	3,227	2,411	9,000	2,210	87,115
PLUG IN 220V	41,469	1,356	427	3,807	1,043	2,297	518	50,917
RANGES, TOTAL	197,884	21,791	5,688	20,230	10,331	15,219	10,143	281,286
LIGHT-MEDIUM DUTY:								
GAS	44,206	9,582	1,445	3,111	1,171	6,509	1,294	67,318
ELECTRIC	16,119	2,113	404	4,915	1,506	2,060	576	27,693
HEAVY DUTY:								
GAS	118,791	9,535	3,839	10,159	6,415	5,858	5,873	160,470
ELECTRIC	18,768	561	---	2,045	1,239	792	2,400	25,805

--- = NOT AVAILABLE.

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TABLE 18 -- INVENTORY OF EQUIPMENT AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS, 1979--CONTINUED

EQUIPMENT	KIND OF BUSINESS							TOTAL INSTITUTIONAL	GRAND TOTAL
	PRIVATE HOSPITALS	PUBLIC HOSPITALS	RESIDENTIAL CARE FACILITIES	NURSING AND PERSONAL CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	OTHER INSTITUTIONAL FACILITIES			
COOKING AND RECONSTITUTING EQUIPMENT:									
OVENS, TOTAL	20,966	11,549	30,107	41,908	22,286	9,466	136,282	742,913	
DECK TYPE, ROASTING AND BAKING:									
GAS	5,206	2,186	12,738	16,403	5,843	2,132	44,508	206,603	
ELECTRIC	3,290	2,234	1,975	3,471	2,852	2,651	16,473	56,051	
CONVECTION, FLOOR OR COUNTER:									
GAS	2,772	1,585	3,893	8,718	2,454	326	19,748	83,147	
ELECTRIC	1,980	1,080	2,491	2,880	2,728	880	12,039	35,993	
CONVECTION, FLOOR OR COUNTER (ROLL-IN):									
GAS	307	260	188	752	15	224	1,746	9,727	
ELECTRIC	28	652	---	150	5	---	835	5,172	
ROTARY (REEL OR REVOLVING TRAY):									
GAS	70	552	---	315	631	---	1,568	3,875	
ELECTRIC	29	165	---	---	220	---	414	1,632	
INFRA-RED:									
GAS	142	12	156	315	80	---	705	14,402	
ELECTRIC	264	---	101	217	---	616	1,198	17,563	
LOW TEMPERATURE:									
GAS	14	---	61	1,070	172	---	1,317	6,694	
ELECTRIC	264	---	---	757	635	---	1,656	12,667	
CONVEYORIZED:									
GAS	---	33	---	315	42	---	390	738	
ELECTRIC	---	---	---	---	---	---	---	739	
RACK TYPE:									
GAS	1,423	809	5,510	3,166	3,764	167	14,839	38,909	
ELECTRIC	482	365	733	830	123	1,014	3,547	16,720	
PIZZA:									
GAS	50	---	---	472	262	400	1,184	50,076	
ELECTRIC	17	61	684	---	715	---	1,477	31,535	
ELECTRONIC (MICROWAVE):									
PLUG IN 110V	1,818	811	1,577	1,364	1,284	536	7,390	94,505	
PLUG IN 220V	2,810	744	---	713	461	520	5,248	56,165	
RANGES, TOTAL	8,571	5,597	18,651	23,298	7,839	4,820	68,776	350,062	
LIGHT-MEDIUM DUTY:									
GAS	849	172	3,541	1,917	1,748	148	8,375	75,693	
ELECTRIC	457	548	2,831	975	66	1,157	6,034	33,727	
HEAVY DUTY:									
GAS	4,776	3,260	11,380	16,734	4,342	1,975	42,467	202,937	
ELECTRIC	2,489	1,617	899	3,672	1,683	1,540	11,900	37,705	

--- = NOT AVAILABLE.

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TABLE 18 -- INVENTORY OF EQUIPMENT AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS, 1979--CONTINUED

EQUIPMENT	KIND OF BUSINESS							TOTAL PUBLIC
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	CIVIC, SOCIAL, OR FRATERNAL ASSOCIATIONS	RECREATIONAL OR AMUSEMENT PLACES	OTHER PUBLIC OUTLETS	
FRYERS, TOTAL	400,490	19,591	10,789	25,959	10,450	26,203	12,826	506,308
PRESSURE:								
GAS	11,447	358	---	493	692	159	196	13,345
ELECTRIC	19,195	694	---	939	516	---	535	21,879
DEEP FAT:								
FLOOR:								
GAS	110,885	6,667	1,720	7,604	2,565	3,433	3,966	136,840
ELECTRIC	41,363	1,100	206	5,034	948	3,394	1,493	53,538
COUNTER:								
GAS	47,988	3,006	1,935	2,323	1,594	2,964	1,151	60,961
ELECTRIC	105,990	6,415	6,356	4,335	2,946	12,822	4,106	142,970
CONTINUOUS:								
GAS	5,294	---	303	167	---	---	---	5,764
ELECTRIC	4,225	---	---	---	---	---	392	4,617
FILTER:								
BUILT-IN:								
GAS	9,638	430	---	1,314	358	471	---	12,211
ELECTRIC	9,472	---	---	518	91	475	199	10,755
PORTABLE:								
GAS	13,614	147	---	2,228	---	931	153	17,073
ELECTRIC	21,379	774	269	1,004	740	1,554	635	26,355
BROILERS, TOTAL	93,865	5,540	2,506	13,172	4,518	10,403	2,934	132,938
OVERFIRED:								
GAS	32,791	2,254	220	4,940	1,475	3,264	324	45,268
ELECTRIC	4,043	817	---	1,399	246	1,118	703	8,326
SALAMANDER:								
GAS	9,577	147	141	1,388	---	465	573	12,291
ELECTRIC	737	---	---	182	---	518	147	1,584
OPEN HEARTH:								
GAS	10,229	761	---	1,337	112	1,664	196	14,299
ELECTRIC	2,202	---	---	---	---	144	---	2,346
COUNTER TOP								
CHARBROILERS:								
GAS	25,673	1,241	1,443	3,389	2,264	2,529	---	36,539
ELECTRIC	8,613	320	702	557	421	701	991	12,285
COOKERS, TOTAL	49,863	2,042	1,357	6,604	1,180	3,810	3,073	67,929
STEAM PRESSURE:								
ATMOSPHERIC:								
GAS	9,377	682	359	1,376	---	609	420	12,823
ELECTRIC	14,887	235	---	745	278	800	294	17,239
DECK, LOW (5-8 PSI):								
GAS	4,509	---	419	743	425	97	---	6,193
ELECTRIC	8,980	768	268	951	477	493	75	12,012
HIGH (12-15 PSI):								
GAS	6,578	357	110	1,249	---	1,009	1,552	10,855
ELECTRIC	5,532	---	201	1,540	---	802	732	8,807

--- = NOT AVAILABLE.

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TABLE 18 -- INVENTORY OF EQUIPMENT AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS, 1979--CONTINUED

EQUIPMENT	KIND OF BUSINESS							TOTAL INSTITU- TIONAL	GRAND TOTAL
	PRIVATE HOSPITALS	PUBLIC HOSPITALS	RESIDENTIAL CARE FACILITIES	NURSING AND PERSONAL CARE FACILITIES	COLLEGES UNIVERSI- TIES, PROFESSIONAL OR NORMAL SCHOOLS	OTHER INSTITU- TIONAL FACILITIES			
FRYERS, TOTAL	5,666	4,863	7,097	3,644	9,523	2,577	33,370	539,678	
PRESSURE:									
GAS	---	125	---	28	18	---	171	13,516	
ELECTRIC	82	191	336	---	22	---	631	22,510	
DEEP FAT:									
FLOOR:									
GAS	1,387	2,089	2,000	1,680	2,610	---	9,766	146,606	
ELECTRIC	1,783	1,000	626	290	2,842	1,340	7,881	61,419	
COUNTER:									
GAS	765	271	168	115	804	887	3,010	63,971	
ELECTRIC	964	691	2,819	1,517	2,195	167	8,353	151,323	
CONTINUOUS:									
GAS	---	---	---	---	156	---	156	5,920	
ELECTRIC	---	60	---	---	22	---	82	4,699	
FILTER:									
BUILT-IN:									
GAS	158	200	---	---	231	---	589	12,800	
ELECTRIC	92	149	---	---	225	---	466	11,221	
PORTABLE:									
GAS	119	15	991	---	91	---	1,216	18,289	
ELECTRIC	316	72	157	14	307	183	1,049	27,404	
BROILERS, TOTAL									
OVERFIRED:	2,928	1,557	3,157	3,144	2,398	154	13,338	146,276	
GAS	1,442	449	2,045	1,453	1,017	---	6,406	51,674	
ELECTRIC	464	699	128	---	379	---	1,670	9,996	
SALAMANDER:									
GAS	149	85	94	---	36	---	364	12,655	
ELECTRIC	48	75	---	---	22	---	145	1,729	
OPEN HEARTH:									
GAS	76	12	421	1,145	48	---	1,702	16,001	
ELECTRIC	102	---	101	---	35	---	238	2,584	
COUNTER TOP									
CHARBROILERS:									
GAS	339	237	271	167	573	---	1,587	38,126	
ELECTRIC	308	---	97	379	288	154	1,226	13,511	
COOKERS, TOTAL									
STEAM PRESSURE:									
ATMOSPHERIC:									
GAS	483	218	635	1,796	574	---	3,706	16,529	
ELECTRIC	1,199	1,218	713	---	535	452	4,117	21,356	
DECK, LOW (5-8 PSI):									
GAS	429	651	394	862	1,760	---	4,096	10,289	
ELECTRIC	343	700	439	545	1,505	183	3,715	15,727	
HIGH (12-15 PSI):									
GAS	873	1,624	1,784	1,244	983	---	6,508	17,363	
ELECTRIC	1,034	1,074	101	624	698	266	3,797	12,604	

--- = NOT AVAILABLE.

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TABLE 18 -- INVENTORY OF EQUIPMENT AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS, 1979--CONTINUED

EQUIPMENT	KIND OF BUSINESS							TOTAL PUBLIC
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	RECREATIONAL OR AMUSEMENT PLACES	OTHER PUBLIC OUTLETS	
KETTLES, STEAM JACKETED, TOTAL	17,887	856	722	3,142	486	2,302	3,305	28,700
MISCELLANEOUS:								
GRIDDLES AND GRILLS:								
GAS	143,655	11,709	4,124	11,017	5,913	12,952	5,293	194,663
ELECTRIC	65,318	2,097	5,095	6,335	2,322	6,823	4,356	92,446
BRAISING PANS:								
GAS	11,234	458	---	1,701	2,754	5,604	548	22,299
ELECTRIC	3,465	294	224	880	---	---	2,175	7,038
WARMERS, FOOD, STEAM INJECTED:								
GAS	32,822	2,006	389	1,910	573	1,841	1,482	41,023
ELECTRIC	76,932	3,074	2,962	2,234	1,992	5,476	9,107	101,777
HOT PLATES:								
GAS	17,347	788	711	4,070	330	4,494	320	28,060
ELECTRIC	63,869	2,663	4,663	9,658	2,220	12,051	5,455	100,579
SANDWICH TOASTERS:								
GAS	4,470	854	343	885	167	324	---	7,043
ELECTRIC	25,319	1,848	5,171	2,204	1,435	4,124	1,449	41,050
ROTISSERIES:								
GAS	1,068	---	---	---	---	122	---	1,190
ELECTRIC	5,064	173	417	---	671	1,823	135	8,283
HOLDING CASE FOR DEEP FRIED PIES:								
GAS	128,636	5,597	8,672	11,523	3,008	17,019	3,097	177,552
ELECTRIC	44,152	3,331	2,358	3,656	1,148	6,236	618	61,539
SANITATION AND MAINTENANCE EQUIPMENT:								
WARE-WASHERS, TOTAL								
UNDER COUNTER	89,199	4,227	3,235	10,429	4,038	7,851	5,833	124,812
DOOR TYPE	21,162	2,371	849	808	654	1,813	1,157	28,814
RACK CONVEYOR	37,050	1,578	1,700	4,075	2,375	2,357	1,539	50,674
CONTINUOUS CONVEYOR:								
STRAIGHT FLIGHT TYPE	23,129	278	353	2,796	601	1,948	1,234	30,339
CIRCULAR HORIZONTAL PLANE	5,468	---	333	1,228	408	1,209	1,452	10,098
GLASS WASHERS, TOTAL								
AUTOMATIC:								
STRAIGHT CONVEYOR	2,390	---	---	1,522	---	524	451	4,887
ROTARY CONVEYOR	27,527	2,286	972	3,806	1,516	4,734	653	41,494
DOOR TYPE	9,292	901	462	1,062	693	1,433	267	14,110
	4,491	890	---	691	208	1,256	239	7,775
	13,744	495	510	2,053	615	2,045	147	19,609

--- = NOT AVAILABLE.

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TABLE 18 -- INVENTORY OF EQUIPMENT AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS, 1979--CONTINUED

EQUIPMENT	KIND OF BUSINESS							GRAND TOTAL
	PRIVATE HOSPITALS	PUBLIC HOSPITALS	RESIDENTIAL CARE FACILITIES	NURSING AND PERSONAL CARE FACILITIES	COLLEGES UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	OTHER INSTITUTIONAL FACILITIES	TOTAL INSTITUTIONAL FACILITIES	
KETTLES, STEAM JACKETED, TOTAL	6,287	5,948	2,124	4,167	6,908	1,124	26,558	55,258
MISCELLANEOUS:								
GRIDDLES AND GRILLS:								
GAS	3,261	3,003	6,945	10,939	3,664	1,362	29,174	223,837
ELECTRIC	2,234	2,965	2,267	4,203	4,045	1,624	17,338	109,784
BRAISING PANS:								
GAS	928	1,270	4,312	4,036	482	---	11,028	33,327
ELECTRIC	409	702	268	215	358	---	1,952	8,990
WARMERS, FOOD, STEAM INJECTED:								
GAS	766	772	1,230	3,238	274	439	6,719	47,742
ELECTRIC	3,441	833	1,373	10,270	1,213	845	17,975	119,752
HOT PLATES:								
GAS	750	280	1,142	1,976	180	---	4,328	32,388
ELECTRIC	3,388	4,597	1,934	1,947	3,000	1,390	16,256	116,835
SANDWICH TOASTERS:								
GAS	100	23	122	2,121	363	---	2,729	9,772
ELECTRIC	138	129	128	661	287	154	1,497	43,047
ROTISSERIES:								
GAS	---	---	---	---	61	---	61	1,251
ELECTRIC	---	222	288	100	215	---	825	9,108
HOLDING CASE FOR DEEP FRIED PIES:								
GAS	2,576	1,599	5,692	6,725	2,875	1,396	20,863	198,415
ELECTRIC	2,377	1,466	4,876	2,078	784	167	11,748	73,287
SANITATION AND MAINTENANCE EQUIPMENT:								
WARE-WASHERS, TOTAL								
UNDER COUNTER	4,701	5,119	9,311	12,654	4,952	2,778	39,515	164,327
DOOR TYPE	194	98	3,616	2,666	372	422	7,368	36,182
RACK CONVEYOR	837	1,568	3,323	5,421	1,234	1,010	13,393	64,067
CONTINUOUS CONVEYOR:								
STRAIGHT FLIGHT TYPE	1,698	2,036	1,918	2,797	2,014	680	11,143	41,482
CIRCULAR HORIZONTAL PLANE	1,738	1,162	335	1,574	1,144	554	6,507	16,605
GLASS WASHERS, TOTAL								
AUTOMATIC:								
STRAIGHT CONVEYOR	234	255	119	196	188	112	1,104	5,991
ROTARY CONVEYOR	426	161	1,066	2,251	625	183	4,712	46,206
DOOR TYPE	169	13	690	1,149	373	---	2,394	16,504
DOOR TYPE	257	86	286	258	89	---	719	8,494
DOOR TYPE		62	90	844	163	183	1,599	21,208

--- = NOT AVAILABLE.

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TABLE 18 -- INVENTORY OF EQUIPMENT AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS, 1979--CONTINUED

EQUIPMENT	KIND OF BUSINESS							TOTAL PUBLIC
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	CIVIC, SOCIAL, OR FRATERNAL ASSOCIATIONS	RECREATIONAL OR AMUSEMENT PLACES	OTHER PUBLIC OUTLETS	
MISCELLANEOUS WASHERS, TOTAL	44,407	859	722	15,365	1,379	8,372	2,559	73,663
AUTOMATIC, POT AND PAN	6,798	141	---	990	425	1,578	141	10,073
SILVER	4,436	---	---	753	346	879	---	6,414
SCRAPPING AND PRE-WASH EQUIPMENT, OVERHEAD	22,485	---	562	5,710	173	3,110	1,540	33,580
LAUNDRY WASHING MACHINES	10,688	718	160	7,912	435	2,805	878	23,596
WASTE EQUIPMENT, TOTAL	46,555	6,585	2,650	2,089	2,111	4,546	1,766	66,302
PULPERS, WASTE	1,478	---	189	1,096	127	2,267	---	5,157
COMPACTERS	13,038	348	232	1,987	---	2,040	638	18,283
CRUSHERS, CAN AND BOTTLE	1,367	598	---	813	246	705	239	3,968
DISPOSERS, FOOD WASTE, POWER	42,264	1,582	1,260	8,075	2,845	5,296	3,225	64,547
MISCELLANEOUS, TOTAL	338,552	16,319	13,382	31,248	12,023	27,031	10,413	448,968
BURNISHERS	3,494	153	---	1,163	113	1,980	324	7,227
BOOSTERS, HOT WATER, SEPARATE UNIT	50,369	1,465	1,460	7,765	1,900	5,515	1,885	70,359
EXHAUST VENT HOODS	282,920	14,701	11,705	22,149	9,617	17,915	7,845	366,852
SOILED TRAY CONVEYOR SYSTEM	1,769	---	217	171	393	1,621	359	4,530
SPRAY WASHERS, TOTAL	43,781	4,995	1,483	5,457	2,568	6,648	1,294	66,226
KITCHEN EQUIPMENT SPRAY WASHING AND SANITIZING MACHINE:	15,663	1,017	94	1,378	909	3,389	309	22,759
PORTABLE UNIT	28,118	3,978	1,389	4,079	1,659	3,259	985	43,467
WALL MOUNT	487,968	14,923	19,429	126,179	21,847	38,392	33,949	742,687
CARTS, TOTAL	185,365	8,182	5,024	51,235	16,034	22,956	26,387	315,183
BUSING	72,429	1,463	1,814	31,149	3,057	3,173	2,994	116,079
DISHES	31,259	1,676	2,267	13,477	1,228	2,914	1,178	53,999
SILVERWARE	146,437	2,531	8,207	5,914	1,175	6,304	784	171,352
TRAY	52,478	1,071	2,117	24,404	353	3,045	2,606	86,074
RACK	978,813	21,135	37,269	310,047	43,253	102,107	41,711	1,534,335
RACKS, TOTAL	231,221	8,870	12,455	66,194	13,414	21,285	14,151	367,590
DISHWASHER: WIRE	747,592	12,265	24,814	243,853	29,839	80,822	27,560	1,166,745
PLASTIC								

--- = NOT AVAILABLE.

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TABLE 18 -- INVENTORY OF EQUIPMENT AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS, 1979--CONTINUED

EQUIPMENT	KIND OF BUSINESS							GRAND TOTAL
	PRIVATE HOSPITALS	PUBLIC HOSPITALS	RESIDENTIAL CARE FACILITIES	NURSING AND PERSONAL CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	OTHER INSTITUTIONAL FACILITIES	TOTAL INSTITUTIONAL FACILITIES	
MISCELLANEOUS WASHERS, TOTAL	1,352	1,713	9,782	14,980	3,398	1,062	32,287	105,950
AUTOMATIC, POT AND PAN	246	664	553	337	498	---	2,298	12,371
SILVER	188	10	90	625	305	---	1,218	7,632
SCRAPPING AND PRE-WASH EQUIPMENT, OVERHEAD								
SPRAY	869	876	1,607	4,225	1,420	281	9,278	42,858
LAUNDRY WASHING								
MACHINES	49	163	7,532	9,793	1,175	781	19,493	43,089
WASTE EQUIPMENT, TOTAL	2,916	1,877	2,674	3,446	3,878	779	15,570	81,872
PULPERS, WASTE	348	214	239	311	140	---	1,252	6,409
COMPACTERS	635	274	972	489	351	112	2,833	21,116
CRUSHERS, CAN AND BOTTLE	230	223	---	---	100	---	553	4,521
DISPOSERS, FOOD WASTE, POWER	7,341	3,804	8,583	12,151	5,375	1,277	38,531	103,078
MISCELLANEOUS, TOTAL	11,940	11,279	14,608	26,686	11,999	5,005	81,517	530,485
BURNISHERS	114	59	61	112	452	112	910	8,137
BOOSTERS, HOT WATER, SEPARATE UNIT	1,960	1,807	3,162	6,294	1,899	1,498	16,620	86,979
EXHAUST VENT HOODS	8,679	8,087	11,045	20,093	8,962	3,395	60,261	427,113
SOILED TRAY CONVEYOR SYSTEM	1,187	1,326	340	187	686	---	3,726	8,256
SPRAY WASHERS, TOTAL	3,960	2,395	4,839	6,535	2,859	728	21,316	87,542
KITCHEN EQUIPMENT SPRAY WASHING AND SANITIZING MACHINE:								
PORTABLE UNIT	209	838	1,342	2,031	1,726	226	6,372	29,131
WALL MOUNT	3,751	1,557	3,497	4,504	1,133	502	14,944	58,411
CARTS, TOTAL	50,163	40,336	35,802	192,642	38,671	7,709	365,323	1,108,010
BUSING	12,446	21,064	15,373	31,684	12,600	4,659	97,826	413,009
DISHES	9,066	6,869	5,231	9,830	10,198	695	41,889	157,968
SILVERWARE	1,720	1,681	1,059	4,095	3,405	862	12,822	66,821
TRAY	18,466	6,706	10,413	134,610	6,634	1,110	177,939	349,291
RACK	8,465	4,016	3,726	12,423	5,834	383	34,847	120,921
RACKS, TOTAL	82,764	47,398	59,573	137,502	74,215	29,937	431,389	1,965,724
DISHWASHER:								
WIRE	15,335	8,977	12,150	47,797	14,598	14,582	113,439	481,029
PLASTIC	67,429	38,421	47,423	89,705	59,617	15,355	317,950	1,484,695

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TABLE 18 -- INVENTORY OF EQUIPMENT AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS, 1979--CONTINUED

EQUIPMENT	KIND OF BUSINESS							TOTAL PUBLIC
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	RECREATIONAL: OR AMUSEMENT PLACES	OTHER OUTLETS	
HOLDING AND SERVICE EQUIPMENT:								
BARS, TOTAL	163,073	7,927	5,130	80,549	24,852	52,529	19,789	353,849
LIQUOR	11,643	4,339	---	11,014	3,860	9,092	2,449	42,397
SALAD:								
MOBILE	12,633	---	1,377	5,049	1,689	4,540	1,328	26,616
STATIONARY	39,633	1,983	1,286	6,567	2,737	1,394	1,235	54,835
BUFFET CHAFERS	57,779	870	564	48,476	12,180	32,674	6,996	159,539
BUFFET LINES:								
MOBILE	17,353	294	756	3,536	2,013	3,605	987	28,544
STATIONARY	6,091	294	142	3,968	690	94	290	11,569
CAFETERIA LINES:								
MOBILE	3,550	147	150	99	815	186	102	5,049
STATIONARY	12,432	---	855	1,138	868	944	5,718	21,955
CONVEYORS:								
IRREGULAR SHAPE	563	---	---	223	---	---	239	1,025
STRAIGHT	1,396	---	---	479	---	---	445	2,320
DISPENSERS, SELF LEVELING, TOTAL								
DROP IN:	64,660	318	---	15,014	1,423	6,270	19,005	106,690
DISHES	29,014	---	---	6,577	994	2,151	5,513	44,249
RACKS, TRAYS	27,646	---	---	939	---	2,061	5,304	35,950
PORTABLE:								
DISHES	3,489	318	---	4,973	429	1,029	2,889	13,127
RACKS, TRAYS	4,511	---	---	2,525	---	1,029	5,299	13,364
DISPENSERS, TOTAL								
CARBONATED BEVERAGES	642,306	49,255	36,392	54,772	20,539	59,839	23,591	886,694
CREAM	315,677	31,380	18,669	20,821	11,592	28,538	9,041	435,718
HOT CHOCOLATE	14,636	217	1,061	2,137	268	1,714	1,472	21,505
ICE TEA	50,426	222	3,638	3,820	558	4,322	1,748	64,734
JUICE	100,224	406	3,557	8,414	1,821	5,962	3,498	123,882
LIQUOR	39,573	1,198	1,843	7,742	1,629	5,577	2,015	59,577
MILK	16,999	9,807	---	2,272	2,159	4,848	---	36,085
OTHER, NON-CARBONATED BEVERAGES	62,346	598	3,189	7,778	1,186	3,940	2,890	81,927
	42,425	5,427	4,435	1,788	1,326	4,938	2,927	63,266

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TABLE 18 -- INVENTORY OF EQUIPMENT AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS, 1979--CONTINUED

EQUIPMENT	KIND OF BUSINESS							TOTAL INSTITU- TIONAL FACILITIES	GRAND TOTAL
	PRIVATE HOSPITALS	PUBLIC HOSPITALS	RESIDENTIAL CARE FACILITIES	NURSING AND PERSONAL CARE FACILITIES	COLLEGES UNIVERSI- TIES, PROFESSIONAL OR NORMAL SCHOOLS	OTHER INSTITU- TIONAL FACILITIES			
HOLDING AND SERVICE EQUIPMENT:									
BARS, TOTAL	14,260	7,468	8,759	4,482	22,273	3,240	60,482	414,331	
LIQUOR	207	---	---	---	448	---	655	43,052	
SALAD:									
MOBILE	1,190	692	286	356	3,039	354	5,917	32,533	
STATIONARY	1,004	506	905	274	975	402	4,066	58,901	
BUFFET CHAFERS	4,477	1,579	4,577	1,109	8,265	462	20,469	180,008	
BUFFET LINES:									
MOBILE	306	70	335	384	915	154	2,164	30,708	
STATIONARY	528	125	435	115	898	295	2,396	13,965	
CAFETERIA LINES:									
MOBILE	1,264	1,639	529	673	344	---	4,449	9,498	
STATIONARY	3,130	2,461	1,406	1,104	6,371	1,573	16,045	38,000	
CONVEYORS:									
IRREGULAR SHAPE	361	183	---	---	160	---	704	1,729	
STRAIGHT	1,793	213	286	467	858	---	3,617	5,937	
DISPENSERS, SELF LEVELING, TOTAL	19,023	9,720	2,092	13,821	7,521	2,780	54,957	161,647	
DROP IN:									
DISHES	3,241	2,381	453	4,473	2,145	1,079	13,772	58,021	
RACKS, TRAYS	1,612	820	1,041	4,812	545	224	9,054	45,004	
PORTABLE:									
DISHES	9,392	4,323	61	3,197	2,940	739	20,652	33,779	
RACKS, TRAYS	4,778	2,196	537	1,339	1,891	738	11,479	24,843	
DISPENSERS, TOTAL	11,462	6,264	5,464	13,058	30,112	5,760	72,120	958,814	
CARBONATED BEVERAGES	2,466	1,015	1,011	1,706	7,626	1,454	15,278	450,996	
CREAM	197	191	61	633	1,713	631	3,426	24,931	
HOT CHOCOLATE									
ICE TEA	982	699	421	1,043	2,975	295	6,415	71,149	
JUICE	3,270	1,974	612	2,307	3,868	1,148	13,179	137,061	
LIQUOR	2,189	856	220	1,294	4,561	1,630	10,750	70,327	
MILK	---	---	---	376	1,186	---	1,562	37,647	
OTHER, NON-CARBONATED BEVERAGES	889	1,198	3,017	5,262	5,531	490	16,387	94,314	
	1,469	331	122	437	2,652	112	5,123	68,389	

--- = NOT AVAILABLE.

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TABLE 18 -- INVENTORY OF EQUIPMENT AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS, 1979--CONTINUED

EQUIPMENT	KIND OF BUSINESS										TOTAL PUBLIC
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, TOURIST COURTS	CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	RECREATIONAL OR AMUSEMENT PLACES	OTHER PUBLIC OUTLETS				
FOOD CARRIERS-PORTABLE:											
HEATED	17,002	141	51	13,708	1,273	2,726	3,621				38,522
UNHEATED	38,577	2,356	826	7,636	2,729	1,245	1,501				54,870
FOOD HOLDING CABINETS											
STATIONARY											
HEATED	65,883	849	1,113	8,296	2,344	1,779	5,402				85,666
UNHEATED	25,744	2,701	2,980	4,410	1,047	781	1,268				38,931
OTHER HOLDING AND SERVICE EQUIPMENT:											
FUDGE WARMERS	57,804	546	3,060	2,453	---	909	1,130				65,902
HOT WELLS, 12" X 20"	91,627	1,018	1,981	10,907	1,358	10,189	19,280				136,360
ICE PANS	86,875	2,310	4,657	18,460	1,985	3,055	3,945				121,287
ICE CREAM CABINETS	95,194	1,068	7,988	10,415	1,858	9,445	5,068				131,036
NOURISHMENT STATIONS (HEALTH CARE)	941	---	---	99	---	168	---				1,208
SHAKE MACHINES	91,776	1,195	8,446	3,891	---	8,157	1,638				115,103
SODA FOUNTAINS	49,126	115	6,240	1,958	99	3,835	1,092				62,465
SOFT SERVICE MACHINES	46,454	159	437	1,658	---	1,039	298				50,045
WAITRESS SERVICE STATIONS	125,520	3,798	4,653	20,523	5,298	10,719	3,078				173,589

--- = NOT AVAILABLE.

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TABLE 18 -- INVENTORY OF EQUIPMENT AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS, 1979--CONTINUED

EQUIPMENT	KIND OF BUSINESS								GRAND TOTAL
	PRIVATE HOSPITALS	PUBLIC HOSPITALS	RESIDENTIAL CARE FACILITIES	NURSING AND PERSONAL CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	OTHER INSTITUTIONAL FACILITIES	TOTAL INSTITUTIONAL FACILITIES		
FOOD CARRIERS-PORTABLE:									
HEATED	7,477	5,607	730	10,639	3,217	736	28,406	66,928	
UNHEATED	10,885	3,567	8,681	25,235	1,568	548	50,484	105,354	
FOOD HOLDING CABINETS									
STATIONARY									
HEATED	4,058	1,506	1,246	2,194	4,718	819	14,541	100,207	
UNHEATED	2,439	914	472	1,436	760	1,919	7,940	46,871	
OTHER HOLDING AND SERVICE EQUIPMENT:									
FUDGE WARMERS	299	101	---	954	102	---	1,456	67,358	
HOT WELLS, 12" X 20"	10,382	5,315	4,176	6,849	7,828	---	34,550	170,910	
ICE PANS	1,788	594	2,423	3,155	2,622	---	10,582	131,869	
ICE CREAM CABINETS	4,413	2,576	2,155	3,007	3,080	882	16,113	147,149	
NOURISHMENT STATIONS									
(HEALTH CARE)	4,663	2,545	430	5,938	---	---	13,576	14,784	
SHAKE MACHINES	1,516	716	479	2,193	1,080	---	5,984	121,087	
SODA FOUNTAINS	278	85	61	---	341	---	765	63,230	
SOFT SERVICE MACHINES	230	223	---	167	802	---	1,422	51,467	
WAITRESS SERVICE STATIONS	71	428	684	160	697	462	2,502	176,091	

--- = NOT AVAILABLE.

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TABLE 19 -- PERCENT OF ESTABLISHMENTS WITH FOOD SERVICE REPORTING NONFOOD SUPPLIES, BY KIND OF BUSINESS, 1979

NONFOOD SUPPLIES	KIND OF BUSINESS							TOTAL PUBLIC
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	RECREATIONAL OR AMUSEMENT PLACES	OTHER PUBLIC OUTLETS	
PERMANENT DINNERWARE:								
PLATFS INCLUDING								
SALAD PLATTERS:								
UNDER SIX INCHES	44.06	26.61	38.44	62.26	47.91	38.02	42.41	42.50
OVER SIX INCHES	54.13	40.23	46.11	69.79	67.01	44.88	48.35	52.67
OVAL PLATTERS	42.49	28.96	26.45	61.44	40.48	37.54	31.18	40.70
BOWLS:								
UNDER EIGHT OUNCES	44.09	33.35	38.00	57.54	53.55	41.94	42.07	43.49
EIGHT OUNCES OR MORE	43.00	27.17	39.07	62.58	55.86	38.68	44.62	42.26
SAUCERS	41.52	26.83	31.89	64.14	57.62	40.90	33.32	40.83
CUPS/MUGS	60.77	47.36	65.01	75.15	72.99	52.84	42.75	59.53
GLASSES	56.04	68.02	48.04	72.07	72.71	46.48	38.20	56.76
COFFEE POTS	58.58	39.05	64.77	63.08	62.23	48.14	37.04	55.95
WATER PITCHERS	44.20	30.72	23.30	69.18	62.31	37.25	38.30	43.10
CREAMERS	36.00	29.11	37.23	48.76	46.84	37.62	32.71	36.28
SUGAR BOWLS	37.09	26.12	40.31	49.40	43.39	34.67	33.43	36.62
TABLEWARE:								
KNIVES	62.27	51.85	57.33	77.62	75.71	56.62	54.60	61.55
FORKS	63.45	52.12	56.91	77.62	75.71	56.82	54.60	62.40
SPOONS	63.97	53.13	64.51	77.62	77.38	60.26	53.53	63.40
STAINLESS STEEL SETTINGS	63.89	54.77	61.94	68.26	76.41	50.86	47.75	62.18
SILVER PLATED SETTINGS	1.78	3.19	1.21	7.46	5.75	12.57	4.21	3.04
DISPOSABLE DINNERWARE:								
PLATES/BOWLS	57.84	83.08	53.67	61.74	77.01	72.68	74.77	62.07
COLD DRINK CUPS:								
MANUAL:								
6-14 OZ.	80.94	44.72	91.34	76.55	62.05	87.18	80.57	77.99
15 OZ. OF LARGER	50.92	6.24	57.43	13.71	3.69	36.10	26.44	42.72
VENDING	1.67	.81	2.00	.97	6.57	.79	11.92	1.99
HOT DRINK CUPS:								
MANUAL	67.65	29.84	76.57	64.15	48.22	65.83	62.27	63.81
VENDING	1.32	.44	.80	2.73	3.07	3.67	8.90	1.73

CONTINUED--

--- = NOT AVAILABLE.

TABLE 19 -- PERCENT OF ESTABLISHMENTS WITH FOOD SERVICE REPORTING NONFOOD SUPPLIES, BY KIND OF BUSINESS, 1979--CONTINUED

NONFOOD SUPPLIES	KIND OF BUSINESS								GRAND TOTAL
	PRIVATE HOSPITALS	PUBLIC HOSPITALS	RESIDENTIAL CARE FACILITIES	NURSING AND PERSONAL CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	OTHER INSTITUTIONAL FACILITIES	TOTAL INSTITUTIONAL		
PERMANENT DINNERWARE:									
PLATES INCLUDING									
SALAD PLATTERS:									
UNDER SIX INCHES	70.73	77.94	75.84	58.10	54.41	56.83	65.36	45.27	
OVER SIX INCHES	86.85	74.78	78.89	73.25	48.46	66.66	74.00	55.24	
OVAL PLATTERS	25.02	25.81	48.97	24.31	26.63	57.47	34.21	39.89	
BOWLS:									
UNDER EIGHT OUNCES	69.18	75.87	79.27	76.55	56.14	60.13	74.00	47.16	
EIGHT OUNCES OR MORE	67.18	61.32	70.39	60.11	57.18	39.21	62.00	44.66	
SAUCERS	69.42	63.98	78.13	55.12	60.54	45.07	63.38	43.60	
CUPS/MUGS	78.93	82.55	90.62	84.48	66.13	78.53	83.99	62.50	
GLASSES	58.75	67.81	88.64	74.90	59.39	74.92	76.25	59.18	
COFFEE POTS	73.79	68.59	79.19	70.40	49.95	73.56	71.72	57.92	
WATER PITCHERS	58.77	59.65	80.19	66.78	47.13	68.62	68.04	46.21	
CREAMERS	36.60	42.96	59.86	41.38	41.74	55.33	47.44	37.67	
SUGAR BOWLS	34.82	35.96	66.21	43.75	42.78	66.22	50.48	38.35	
TABLEWARE:									
KNIVES	90.73	86.13	98.01	90.55	73.18	77.72	90.10	65.12	
FORKS	90.73	86.13	98.01	91.78	73.18	83.82	91.05	65.98	
SPOONS	90.73	86.13	98.01	92.91	73.18	83.82	91.51	66.91	
STAINLESS STEEL SETTINGS	89.20	84.05	94.44	92.24	67.52	88.82	90.23	65.61	
SILVER PLATED SETTINGS	3.79	---	3.02	2.51	7.73	---	2.82	3.01	
DISPOSABLE DINNERWARE:									
PLATES/BOWLS	87.34	95.60	74.07	76.43	75.72	75.50	79.01	63.77	
COLD DRINK CUPS:									
MANUAL:									
6-14 OZ.	97.87	90.91	77.29	71.55	91.02	75.25	80.47	78.24	
15 OZ. OR LARGER	21.53	19.99	8.18	11.04	49.04	24.07	17.76	40.23	
VENDING	3.54	5.36	2.37	3.30	6.64	4.80	3.81	2.17	
HOT DRINK CUPS:									
MANUAL	50.44	52.43	53.77	45.95	63.36	50.97	51.17	62.55	
VENDING	5.30	7.53	3.15	.67	6.61	4.80	3.44	1.90	

--- = NOT AVAILABLE.

CONTINUED--

TABLE 19-- PERCENT OF ESTABLISHMENTS WITH FOOD SERVICE REPORTING NONFOOD SUPPLIES, BY KIND OF BUSINESS, 1979--CONTINUED

NONFOOD SUPPLIES	KIND OF BUSINESS										TOTAL PUBLIC
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COUNCILS	CIVIC, SOCIAL, OR FRATERNAL ASSOCIATIONS	RECREATIONAL, OR AMUSEMENT PLACES	OTHER PUBLIC OUTLETS				
DISPOSABLE TABLEWARE:											
BAGGED SETTING LOOSE	8.98 51.72	1.54 26.19	1.57 56.60	5.61 38.39	4.97 38.03	6.37 37.04	3.64 40.83				7.40 47.21
FOOD WRAPS:											
FOIL	70.75	58.12	65.33	76.46	73.15	65.04	66.13				69.15
WAX PAPER	55.57	51.57	63.78	54.17	45.39	43.71	35.16				53.77
DRY WAX	21.51	10.51	20.83	11.60	6.49	24.18	19.66				19.70
FREEZER WRAP	23.90	23.93	17.03	48.13	28.82	22.64	20.48				24.65
PLASTIC WRAP	60.10	49.22	69.63	74.96	39.24	54.77	66.43				59.29
BAGS/SACKS:											
SINGLE PORTION CARRY-OUT	54.77 75.16	40.55 50.30	47.02 74.27	24.22 58.25	17.71 25.13	27.63 35.45	25.64 32.47				47.99 66.69
POPCORN CUPS:											
18-24 OZ. 32 OZ. OR MORE	1.00 .26	2.67 .38	1.55 ---	2.85 2.85	.98 ---	7.52 7.58	2.85 ---				1.76 .85
LIDS:											
PLASTIC PAPER	76.47 9.14	26.87 4.11	82.42 8.93	57.44 6.24	17.77 ---	43.77 7.60	50.77 3.63				66.53 8.01
CARTONS:											
SINGLE SANDWICH PARTIAL/FULL MEAL	18.73 33.26	5.74 12.21	12.33 10.11	11.43 20.17	.98 5.58	7.56 12.79	4.52 14.11				15.23 27.08
CYLINDRICAL FOOD CONTAINERS:											
CONDIMENT SIZE	15.47	5.67	11.11	13.53	6.77	9.74	14.45				13.62
3-4 OZ.	13.77	4.18	17.61	9.74	6.89	4.85	12.40				11.99
5-8 OZ.	12.74	2.71	12.89	6.49	4.38	7.46	3.74				10.67
OVER 8 OZ.	14.76	3.94	22.60	7.91	10.21	5.35	5.49				12.70
FOOD TUBS	19.23	5.22	8.29	14.15	7.11	7.07	2.23				15.61

CONTINUED--

--- = NOT AVAILABLE.

CONTINUED--

TABLE 19 -- PERCENT OF ESTABLISHMENTS WITH FOOD SERVICE REPORTING NONFOOD SUPPLIES, BY KIND OF BUSINESS, 1979--CONTINUED

NONFOOD SUPPLIES	KIND OF BUSINESS								GRAND TOTAL
	PRIVATE HOSPITALS	PUBLIC HOSPITALS	RESIDENTIAL CARE FACILITIES	NURSING AND PERSONAL CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	OTHER INSTITUTIONAL FACILITIES	TOTAL INSTITUTIONAL		
DISPOSABLE TABLEWARE:									
BAGGED SETTING LOOSE	42.01 53.89	38.69 58.49	3.64 28.17	5.19 29.27	13.01 53.59	3.06 39.15	10.67 35.71	7.81 45.78	
FOOD WRAPS:									
FOIL	93.54	85.47	96.67	84.67	78.73	80.61	88.18	71.52	
WAX PAPER	58.28	61.84	62.46	50.68	67.52	50.68	56.81	54.15	
DRY WAX	15.51	17.26	12.87	15.38	30.34	9.01	15.51	19.18	
FREEZER WRAP	27.85	45.12	40.87	30.39	32.94	9.01	32.81	25.67	
PLASTIC WRAP	95.22	86.44	83.94	77.52	82.11	59.35	80.54	61.95	
BAGS/SACKS:									
SINGLE PORTION CARRY-OUT	49.84 25.36	58.46 28.43	31.51 13.48	34.90 8.72	44.55 48.04	26.96 23.72	36.99 17.07	46.61 60.49	
POPCORN CUPS:									
19-24 OZ.	.34	---	2.09	---	6.71	2.31	1.33	1.70	
32 OZ. OR MORE	1.24	---	1.37	---	5.50	---	.94	.86	
LIDS:									
PLASTIC PAPER	87.20 15.92	68.37 23.03	16.08 1.72	19.09 5.97	58.13 10.09	36.55 ---	31.83 6.65	62.20 7.84	
CARTONS:									
SINGLE SANDWICH PARTIAL/FULL MEAL	11.36 20.07	27.52 18.61	3.80 3.14	6.80 5.12	28.51 24.95	11.07 18.12	9.76 9.28	14.54 24.86	
CYLINDRICAL FOOD CONTAINERS:									
CONDIMENT SIZE									
3-4 OZ.	21.12	30.72	3.26	3.90	14.38	4.28	7.88	12.90	
5-8 OZ.	15.83	15.47	6.65	6.22	11.75	3.24	8.02	11.49	
OVER 8 OZ.	14.46	17.32	5.63	5.22	11.88	14.04	8.13	10.35	
	13.90	12.99	6.15	7.89	7.86	3.24	7.91	12.10	
FOOD TUBS	11.78	15.31	5.37	10.97	21.78	6.47	10.25	14.94	

--- = NOT AVAILABLE.

CONTINUED--

TABLE 19 -- PERCENT OF ESTABLISHMENTS WITH FOOD SERVICE REPORTING NONFOOD SUPPLIES, BY KIND OF BUSINESS, 1979--CONTINUED

NONFOOD SUPPLIES	KIND OF BUSINESS								TOTAL PUBLIC
	SEPARATE EATING PLACES	SEPARATE DRINKING PLACES	RETAIL STORES	HOTELS, MOTELS, TOURIST COURTS	CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	RECREATIONAL OR AMUSEMENT PLACES	OTHER PUBLIC OUTLETS		
PAPER NAPKINS:									
SINGLE PLY:								18.99	
COCKTAIL	16.42	34.55	9.50	25.64	31.47	23.21	10.12	49.08	
LUNCHEON	48.50	50.68	71.71	25.23	43.92	55.17	54.62	24.34	
DINNER	25.94	23.54	19.08	15.61	32.49	19.62	11.22		
MULTI-PLY:									
COCKTAIL	12.91	10.05	8.43	31.39	20.42	19.30	3.87	13.66	
LUNCHEON	21.18	19.49	22.75	36.71	18.28	18.16	32.32	21.78	
DINNER	28.19	14.42	15.21	45.36	28.26	26.50	10.68	26.53	
TOILET TISSUE:									
SINGLE-PLY	47.88	60.99	36.06	35.49	32.53	47.15	21.08	46.88	
MULTI-PLY	45.73	31.64	40.08	48.31	50.52	44.98	26.39	43.83	
FLAT/INTERFOLD	11.31	11.60	13.30	9.59	8.51	10.08	9.37	11.12	
PAPER TOWELS:									
ROLL:									
KITCHEN/SOFT WOUND	51.84	48.93	59.03	35.00	54.87	49.90	32.63	50.52	
WASHROOM/HARD WOUND	24.13	21.10	14.65	18.13	27.44	21.43	12.61	22.80	
2 PANEL-(SINGLE FOLD)	24.28	16.50	16.41	21.81	19.69	16.38	5.86	21.95	
3 PANEL:									
SINGLE OR MULTI FOLD	14.74	9.46	8.10	18.50	12.93	9.37	5.86	13.39	
CENTER FOLD	9.54	4.56	3.91	11.66	6.99	8.93	7.64	8.78	
PAPER PLACEMATS	27.30	15.35	13.31	56.26	34.27	23.07	14.58	26.45	
PAPER TABLE CLOTHS	5.07	2.08	3.62	12.94	23.56	5.90	8.35	5.76	
PAPER TRAY COVERS	6.46	.97	4.81	8.17	1.67	3.49	3.83	5.54	
DISPOSABLE TRAYS AND OTHER SERVICEWARE	10.06	3.04	7.79	13.68	5.16	13.52	14.96	9.70	

--- = NOT AVAILABLE.

CONTINUED---

TABLE 19 -- PERCENT OF ESTABLISHMENTS WITH FOOD SERVICE REPORTING NONFOOD SUPPLIES, BY KIND OF BUSINESS, 1979--CONTINUED

NONFOOD SUPPLIES	KIND OF BUSINESS								GRAND TOTAL
	PRIVATE HOSPITALS	PUBLIC HOSPITALS	RESIDENTIAL CARE FACILITIES	NURSING AND PERSONAL CARE FACILITIES	COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	OTHER INSTITUTIONAL FACILITIES	TOTAL INSTITUTIONAL		
PAPER NAPKINS:									
SINGLE PLY:									
COCKTAIL	15.31	14.50	9.51	5.11	32.70	10.17	10.45	17.92	
LUNCHEON	49.06	55.04	50.33	33.78	66.58	40.65	44.40	48.50	
DINNER	41.33	29.37	32.30	31.42	17.97	15.89	30.20	25.08	
MULTI-PLY:									
COCKTAIL	16.46	13.59	11.70	7.20	21.11	10.03	11.04	13.33	
LUNCHEON	24.75	34.30	19.22	16.53	28.49	17.91	20.26	21.59	
DINNER	54.01	33.82	24.56	26.50	39.57	42.70	31.04	27.09	
TOILET TISSUE:									
SINGLE-PLY	22.19	51.36	58.47	34.97	30.47	32.01	41.16	46.16	
MULTI-PLY	29.87	31.88	32.61	26.88	22.40	32.65	29.20	42.00	
FLAT/INTERFOLD	16.22	24.59	11.01	15.78	13.65	4.88	14.08	11.49	
PAPER TOWELS:									
ROLL:									
KITCHEN/SOFT WOUND	16.63	37.18	66.16	42.27	29.75	50.71	46.20	49.98	
WASHROOM/HARD WOUND	13.44	18.89	15.16	14.54	11.54	17.39	14.90	21.82	
2 PANEL-(SINGLE FOLD)	33.36	36.12	27.04	21.57	25.35	28.72	25.97	22.45	
3 PANEL:									
SINGLE OR MULTI FOLD	24.80	30.75	7.07	13.54	12.23	12.57	13.65	13.42	
CENTER FOLD	24.87	25.38	7.57	8.70	7.91	4.88	10.56	9.00	
PAPER PLACEMATS	34.31	24.85	18.26	21.88	25.05	23.58	22.49	25.95	
PAPER TABLE CLOTHS	32.67	19.58	11.45	11.00	40.91	19.94	16.61	7.11	
PAPER TRAY COVERS	47.72	37.81	4.39	17.12	3.14	4.88	15.51	6.79	
DISPOSABLE TRAYS AND OTHER SERVICEWARE	62.81	47.66	5.95	8.97	18.35	8.12	16.07	10.49	

--- = NOT AVAILABLE.

CONTINUED--

TABLE 20 -- ESTABLISHMENTS WITH FOOD SERVICE REPORTING VENDING MACHINES BY KIND OF BUSINESS
AND FOODS DISPENSED, 1979

KIND OF BUSINESS	VENDING MACHINES DISPENSING SPECIFIED PRODUCTS					
	HOT CANNED ITEMS	MILK AND CHOCOLATE DRINK	SOFT DRINKS	SANDWICHES	ICE CREAM	
SEPARATE EATING PLACE	260	717	4,979	365	365	
SEPARATE DRINKING PLACE	104	---	138	104	---	
RETAIL STORES	340	340	1,869	141	552	
HOTELS, MOTELS, OR TOURIST COURTS	82	---	2,630	167	---	
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	---	---	112	---	---	
RECREATION OR AMUSEMENT PLACES	522	529	4,960	412	147	
OTHER PUBLIC OUTLETS	897	964	2,607	1,011	983	
TOTAL PUBLIC	2,205	2,550	17,295	2,200	2,047	
PRIVATE HOSPITALS	733	973	1,622	1,090	299	
PUBLIC HOSPITALS	358	380	942	501	134	
RESIDENTIAL CARE FACILITIES	365	142	2,257	---	119	
NURSING AND PERSONAL CARE FACILITIES	299	110	5,231	20	29	
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	258	678	1,148	625	435	
OTHER INSTITUTIONAL FACILITIES	112	112	513	266	112	
TOTAL INSTITUTIONAL	2,125	2,395	11,713	2,502	1,119	
TOTAL	4,330	4,945	29,008	4,702	3,166	

--- = NOT AVAILABLE.

CONTINUED---

TABLE 20 -- ESTABLISHMENTS WITH FOOD SERVICE REPORTING VENDING MACHINES BY KIND OF BUSINESS AND FOODS
DISPENSED, 1979--CONTINUED

KIND OF BUSINESS	VENDING MACHINES DISPENSING SPECIFIED PRODUCTS					
	FRUITS	CANDY AND CONFECTIONS	CRACKERS, COOKIES, CAKES	COFFEE, TEA, COCOA	OTHER	TOTAL
SEPARATE EATING PLACE	253	2,671	601	500	239	7,001
SEPARATE DRINKING PLACE	---	138	---	104	---	346
RETAIL STORES	---	664	253	141	250	1,869
HOTELS, MOTELS, OR TOURIST COURTS	---	1,784	1,138	249	323	2,971
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	---	484	390	---	---	484
RECREATION OR AMUSEMENT PLACES	---	2,530	1,222	795	173	5,692
OTHER PUBLIC OUTLETS	847	2,236	1,272	918	---	3,278
TOTAL PUBLIC	1,100	10,507	4,876	2,707	985	21,641
PRIVATE HOSPITALS	489	1,199	1,217	939	127	1,901
PUBLIC HOSPITALS	394	647	470	352	189	999
RESIDENTIAL CARE FACILITIES	---	907	379	482	199	2,494
NURSING AND PERSONAL CARE FACILITIES	110	2,714	1,412	333	110	5,430
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	373	1,138	850	711	259	1,353
OTHER INSTITUTIONAL FACILITIES	112	266	266	112	---	513
TOTAL INSTITUTIONAL	1,478	6,871	4,594	2,929	884	12,690
TOTAL	2,578	17,378	9,470	5,636	1,869	34,331

--- = NOT AVAILABLE.

TABLE 21-- ESTABLISHMENTS WITH FOOD SERVICE, BY PRIMARY ENERGY SOURCES USED FOR SELECTED FOOD SERVICE, 1979

ENERGY SOURCES	PRIMARY TYPE OF FOOD SERVICE									
	WITH WAITER-WAITRESS		COUNTER PURCHASE		DRIVE UP WINDOW, CARRYOUT, OR DELIVERY		CAFETERIA		ROOM SERVICE	
	TABLE-BOOTH	EAT AT COUNTER	EAT AT COUNTER	ELSEWHERE IN ESTABLISHMENT	EAT AT COUNTER	DRIVE UP WINDOW, CARRYOUT, OR DELIVERY	CAFETERIA	ROOM SERVICE	OTHER	TOTAL
ELECTRICITY, TOTAL	181,470	37,979	61,830	47,028	26,911	11,394	7,305	373,917		
COOKING	43,368	14,667	26,792	17,578	7,406	2,727	1,445	113,983		
HEATING	44,079	7,077	20,435	15,476	9,103	1,914	732	98,816		
AIR CONDITIONING	154,740	31,585	54,530	37,533	23,263	9,413	6,305	317,369		
LIGHTING	180,557	37,710	61,801	46,894	26,805	11,394	7,305	372,466		
REFRIGERATOR/FREEZER	178,142	37,354	61,641	47,028	26,231	11,394	7,305	369,095		
OTHER	21,649	2,609	9,781	7,078	3,427	1,219	260	46,023		
GAS, TOTAL	139,609	27,305	40,486	34,863	20,331	9,482	5,912	277,988		
COOKING	125,271	20,831	30,302	26,837	18,727	8,674	5,530	236,172		
HEATING	96,724	18,834	29,636	22,697	11,306	6,796	3,458	189,451		
AIR CONDITIONING	10,758	2,518	3,752	2,626	1,776	981	279	22,690		
LIGHTING	773	269	179	134	---	42	---	1,397		
REFRIGERATOR/FREEZER	2,628	428	368	---	439	85	---	3,905		
OTHER	2,600	363	923	954	240	---	---	5,165		
PROPANE, TOTAL	15,509	2,317	4,072	2,071	711	114	330	25,124		
COOKING	13,407	1,760	3,557	1,515	711	---	330	21,280		
HEATING	5,260	374	991	1,897	483	---	170	9,175		
AIR CONDITIONING	849	---	99	---	224	114	---	1,286		
LIGHTING	996	---	---	---	224	114	---	1,334		
REFRIGERATOR/FREEZER	996	---	---	---	224	114	---	1,334		
OTHER	761	353	29	---	224	---	---	1,367		
FUEL OIL, TOTAL	20,820	7,704	8,223	2,889	4,595	1,514	2,123	47,868		
COOKING	---	---	358	97	169	---	---	624		
HEATING	20,492	7,704	7,838	2,628	4,547	1,514	2,123	46,846		
AIR CONDITIONING	587	---	---	---	59	---	---	646		
LIGHTING	---	---	---	---	---	---	---	---		
REFRIGERATOR/FREEZER	---	---	---	---	---	---	---	---		
OTHER	259	---	27	164	286	---	---	736		
OTHER, TOTAL	4,475	2,058	1,029	914	784	650	782	10,692		
COOKING	345	---	413	168	20	149	---	1,095		
HEATING	3,461	1,727	616	481	538	562	589	7,974		
AIR CONDITIONING	353	331	---	468	82	---	---	1,234		
LIGHTING	---	---	---	---	---	---	---	---		
REFRIGERATOR/FREEZER	212	---	---	---	---	---	---	212		
OTHER	322	---	---	168	164	53	193	900		

--- = NOT AVAILABLE.

TABLE 22 -- COST-TO-SALES RATIOS OF ESTABLISHMENTS WITH FOOD SERVICE, BY KIND OF BUSINESS AND
PRIMARY TYPE OF FOOD SERVICE, 1979
(THOUSANDS)

KIND OF BUSINESS	PRIMARY TYPE OF FOOD SERVICE										
	WITH WAITER-WAITRESS				COUNTER	DRIVE UP				OTHER	TOTAL
	TABLE- BOOTH	EAT AT COUNTER	PURCHASE EAT ELSEWHERE IN: ESTABLISH- MENT	WINDOW, CARRYOUT, OR DELIVERY	CAFETERIA	ROOM SERVICE					
SEPARATE EATING PLACE	39.8	39.0	37.4	37.9	38.0	---	41.3	38.8			
SEPARATE DRINKING PLACE	37.6	33.6	34.6	34.0	32.0	---	35.4	35.7			
RETAIL STORES	38.4	39.7	33.8	49.3	38.5	---	47.3	39.2			
HOTELS, MOTELS, OR TOURIST COURTS	40.8	38.9	41.6	40.0	36.2	---	43.8	40.3			
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	40.7	44.2	40.3	40.0	39.0	---	45.5	41.2			
RECREATION OR AMUSEMENT PLACES	42.6	35.7	39.8	36.1	45.1	---	38.8	39.7			
OTHER PUBLIC OUTLETS	36.3	46.5	39.8	39.0	44.6	---	38.8	41.1			
TOTAL PUBLIC	39.8	38.9	37.4	38.1	38.6	---	39.6	39.0			
PRIVATE HOSPITALS	37.8	---	37.7	39.0	37.9	38.0	38.0	38.0			
PUBLIC HOSPITALS	38.0	---	53.2	---	37.5	36.3	38.1	38.3			
RESIDENTIAL CARE FACILITIES	38.1	38.1	38.1	38.2	36.8	39.0	---	37.8			
NURSING AND PERSONAL CARE: FACILITIES	34.9	38.0	32.6	37.5	39.6	37.9	---	36.9			
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	40.8	---	43.0	44.9	43.2	53.2	41.2	43.1			
OTHER INSTITUTIONAL FACILITIES	39.5	36.5	38.7	---	37.2	---	38.1	38.4			
TOTAL INSTITUTIONAL	36.7	37.5	43.2	39.0	39.0	37.8	39.2	38.3			
TOTAL	39.6	38.9	37.6	38.1	38.9	37.8	39.5	38.9			

--- = NOT AVAILABLE.

TABLE 23 -- PAYROLL-TO-SALES RATIOS AT ESTABLISHMENTS WITH FOOD SERVICE BY KIND AND SIZE OF BUSINESS, 1979

KIND OF BUSINESS	SIZE OF BUSINESS										TOTAL
	LESS THAN \$40,000	\$40,000- \$99,999	\$100,000- \$199,999	\$200,000- \$349,999	\$350,000- \$599,999	\$600,000- \$1,249,999	\$1,250,000- OR MORE				
SEPARATE EATING PLACE	22.1	21.1	22.5	22.2	22.8	21.0	24.2	22.2		22.2	
SEPARATE DRINKING PLACE	21.6	20.8	18.1	20.7	22.8	24.5	---	21.6		21.6	
RETAIL STORES	25.0	26.8	24.7	23.0	19.6	28.1	34.0	26.1		26.1	
HOTELS, MOTELS, OR TOURIST COURTS	21.1	24.7	26.5	32.6	29.4	30.7	24.5	28.5		28.5	
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	29.1	27.0	27.6	23.9	30.0	23.0	---	26.1		26.1	
RECREATION OR AMUSEMENT PLACES	22.5	22.3	29.9	25.8	29.2	24.6	22.1	24.5		24.5	
OTHER PUBLIC OUTLETS	19.5	28.9	26.5	23.7	28.2	20.1	22.0	23.0		23.0	
TOTAL PUBLIC	22.5	21.9	23.3	22.7	23.7	21.7	24.2	22.8		22.8	
PRIVATE HOSPITALS											
PUBLIC HOSPITALS	24.0	29.2	27.8	24.2	24.6	32.9	29.0	28.4		28.4	
RESIDENTIAL CARE FACILITIES	24.0	24.2	24.0	20.8	25.9	24.0	22.5	22.7		22.7	
NURSING AND PERSONAL CARE FACILITIES	21.1	24.6	26.8	25.1	24.4	24.0	19.7	22.9		22.9	
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	22.7	20.6	25.8	24.0	24.7	21.6	---	23.2		23.2	
OTHER INSTITUTIONAL FACILITIES											
TOTAL INSTITUTIONAL											
TOTAL	28.1	27.5	29.0	28.2	30.8	35.5	32.0	31.3		31.3	
	25.2	28.0	22.4	24.0	25.6	15.0	---	22.0		22.0	
	23.6	24.1	26.3	24.2	25.5	25.8	25.4	25.2		25.2	
	22.6	22.2	23.7	22.9	23.8	22.0	24.4	23.1		23.1	

--- = NOT AVAILABLE.

TABLE 24 -- ENERGY COSTS-TO-SALES RATIOS AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND AND SIZE OF BUSINESS, 1979

KIND OF BUSINESS	SIZE OF BUSINESS										TOTAL
	LESS THAN \$40,000	\$40,000- \$99,999	\$100,000- \$199,999	\$200,000- \$349,999	\$350,000- \$599,999	\$600,000- \$1,249,999	\$1,250,000 OR MORE				
SEPARATE EATING PLACE	28.5	10.6	5.2	3.7	3.0	3.0	0.8			4.0	
SEPARATE DRINKING PLACE	32.2	11.6	5.4	2.0	1.3	1.7	---			8.9	
RETAIL STORES	44.0	17.7	8.6	5.2	2.4	1.2	.5			7.5	
HOTELS, MOTELS, OR TOURIST COURTS	41.8	12.3	10.2	7.9	5.7	3.9	3.7			6.2	
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	37.1	16.5	9.3	6.0	4.2	2.9	---			12.0	
RECREATION OR AMUSEMENT PLACES	46.7	17.8	11.1	4.3	4.3	2.7	.4			6.3	
OTHER PUBLIC OUTLETS	50.0	21.2	9.0	5.9	2.7	3.1	.8			5.8	
TOTAL PUBLIC	33.0	12.1	6.1	3.9	3.2	3.0	.9			4.6	
PRIVATE HOSPITALS	70.3	26.8	8.7	3.4	3.2	1.2	1.0			2.7	
PUBLIC HOSPITALS	57.2	26.0	8.2	4.7	3.3	2.3	.7			2.6	
RESIDENTIAL CARE FACILITIES	35.9	15.5	8.4	6.1	3.4	1.1	.5			5.5	
NURSING AND PERSONAL CARE: FACILITIES	41.8	17.1	7.1	5.6	3.3	4.1	.5			7.3	
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	97.6	19.3	11.3	3.5	2.8	1.9	.8			6.1	
OTHER INSTITUTIONAL FACILITIES	31.6	21.3	5.8	2.9	5.4	1.4	---			6.2	
TOTAL INSTITUTIONAL	45.8	18.3	7.9	4.8	3.6	2.3	.8			5.0	
TOTAL	34.4	13.0	6.3	4.0	3.2	2.9	.9			4.7	

--- = NOT AVAILABLE.

TABLE 25 -- DINNERWARE COSTS-TO-SALES RATIOS AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND AND SIZE OF BUSINESS, 1979

KIND OF BUSINESS	SIZE OF BUSINESS									
	LESS THAN \$40,000	\$40,000- \$99,999	\$100,000- \$199,999	\$200,000- \$349,999	\$350,000- \$599,999	\$600,000- \$1,249,999	\$1,250,000 OR MORE	TOTAL		
SEPARATE EATING PLACE	4.8	5.3	4.6	4.4	4.4	4.3	4.3	4.4	4.4	
SEPARATE DRINKING PLACE	3.6	5.2	3.9	5.6	7.5	3.7	---	5.1	5.1	
RETAIL STORES	3.8	4.7	5.4	5.0	2.5	9.9	1.0	4.4	4.4	
HOTELS, MOTELS, OR TOURIST COURTS	5.1	3.7	3.8	3.3	6.1	8.0	1.5	5.0	5.0	
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	3.8	5.4	4.9	4.4	1.0	---	---	4.3	4.3	
RECREATION OR AMUSEMENT PLACES	4.9	6.9	4.1	4.0	4.2	5.0	5.0	4.9	4.9	
OTHER PUBLIC OUTLETS	5.0	6.3	7.5	5.0	5.4	2.4	5.0	4.1	4.1	
TOTAL PUBLIC	4.5	5.3	4.7	4.4	4.5	4.5	4.1	4.5	4.5	
PRIVATE HOSPITALS	5.0	6.9	4.8	4.8	5.1	5.2	5.8	5.4	5.4	
PUBLIC HOSPITALS	5.0	6.1	8.4	5.4	4.6	5.0	7.7	7.2	7.2	
RESIDENTIAL CARE FACILITIES	5.7	5.3	4.3	5.9	5.0	5.0	5.0	5.1	5.1	
NURSING AND PERSONAL CARE FACILITIES	4.7	4.6	5.1	5.0	8.7	2.1	---	4.2	4.2	
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	5.2	3.9	6.2	5.8	2.9	3.8	5.2	4.7	4.7	
OTHER INSTITUTIONAL FACILITIES	5.0	5.0	5.0	5.0	3.8	3.0	---	3.8	3.8	
TOTAL INSTITUTIONAL	5.1	5.1	5.2	5.2	4.8	3.7	6.1	5.2	5.2	
TOTAL	4.6	5.3	4.7	4.5	4.6	4.4	4.5	4.6	4.6	

--- = NOT AVAILABLE.

TABLE 26 -- CLEANING PRODUCTS COSTS-TO-SALES RATIOS AT ESTABLISHMENTS WITH FOOD SERVICE, BY KIND AND SIZE OF BUSINESS, 1979

KIND OF BUSINESS	SIZE OF BUSINESS										TOTAL
	LESS THAN \$40,000	\$40,000- \$99,999	\$100,000- \$199,999	\$200,000- \$349,999	\$350,000- \$599,999	\$600,000- \$1,249,999	\$1,250,000- OR MORE				
SEPARATE EATING PLACE	5.3	2.1	1.1	0.8	0.6	0.4	0.2			0.7	
SEPARATE DRINKING PLACE	3.7	2.1	.8	.6	.2	.1	---			1.3	
RETAIL STORES	3.9	3.4	1.6	.3	.3	.2	.0			1.0	
HOTELS, MOTELS, OR TOURIST COURTS	8.7	3.8	3.8	1.7	1.5	1.2	1.5			1.8	
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	5.4	2.2	1.4	.5	.5	.7	---			1.6	
RECREATION OR AMUSEMENT PLACES	6.3	3.2	3.1	1.4	1.5	.5	.1			1.3	
OTHER PUBLIC OUTLETS	3.9	3.4	1.5	.4	.6	.7	.0			1.0	
TOTAL PUBLIC	5.1	2.4	1.4	.8	.6	.5	.2			.9	
PRIVATE HOSPITALS	17.7	7.7	1.6	.9	.8	.7	.4			.8	
PUBLIC HOSPITALS	8.2	7.3	2.5	1.2	1.0	.6	.2			.7	
RESIDENTIAL CARE FACILITIES	4.6	3.2	2.2	2.0	.8	.2	.1			1.2	
NURSING AND PERSONAL CARE FACILITIES	11.1	6.4	2.3	1.6	.8	.5	.1			2.0	
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	6.7	3.5	1.9	1.7	1.1	.7	.4			1.1	
OTHER INSTITUTIONAL FACILITIES	4.6	3.0	3.7	.1	.7	.1	---			1.0	
TOTAL INSTITUTIONAL	7.6	4.9	2.2	1.4	.8	.5	.2			1.2	
TOTAL	5.4	2.7	1.5	.9	.7	.5	.2			.9	

--- = NOT AVAILABLE.

TABLE 27 -- PERSONS SERVED AT ESTABLISHMENTS WITH FOOD SERVICE ON A TYPICAL DAY, BY KIND OF BUSINESS AND TYPES OF MEALS SERVED, 1979

KIND OF BUSINESS	TYPES OF MEALS				TOTAL
	BREAKFAST	LUNCH	DINNER	SNACKS	
SEPARATE EATING PLACE	11,010,590:	31,924,678:	29,068,493:	18,464,408:	90,468,169
SEPARATE DRINKING PLACE	91,808:	796,927:	611,661:	1,041,548:	2,541,944
RETAIL STORES	674,827:	1,167,556:	330,760:	990,903:	3,164,046
HOTELS, MOTELS, OR TOURIST COURTS	2,285,878:	2,462,064:	2,565,798:	596,363:	7,910,103
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	51,160:	478,947:	708,871:	352,595:	1,591,573
RECREATION OR AMUSEMENT PLACES	355,245:	1,481,084:	1,167,692:	2,233,379:	5,237,400
OTHER PUBLIC OUTLETS	1,447,346:	1,955,075:	528,038:	872,684:	4,803,143
TOTAL PUBLIC	15,916,854:	40,266,331:	34,981,313:	24,551,880:	115,716,378
PRIVATE HOSPITALS	855,200:	1,421,588:	1,058,558:	662,209:	3,997,555
PUBLIC HOSPITALS	765,909:	1,101,877:	876,468:	479,093:	3,223,347
RESIDENTIAL CARE FACILITIES	800,482:	1,153,637:	843,373:	591,476:	3,388,968
NURSING AND PERSONAL CARE FACILITIES	1,721,131:	2,059,412:	1,799,050:	1,516,203:	7,095,796
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	830,417:	1,823,953:	1,106,865:	633,975:	4,395,210
OTHER INSTITUTIONAL FACILITIES	212,824:	344,948:	183,710:	165,171:	906,653
TOTAL INSTITUTIONAL	5,185,963:	7,905,415:	5,868,024:	4,048,127:	23,007,529
TOTAL	21,192,817:	48,171,746:	40,849,337:	28,600,007:	138,723,907

TABLE 28 -- PERSONS WORKING AT ESTABLISHMENTS WITH FOOD SERVICE BY KIND OF BUSINESS AND HOURS WORKED PER WEEK, 1979

KIND OF BUSINESS	NUMBER OF WORKERS				TOTAL
	40 OR MORE HOURS PER WEEK	20 - 39 HOURS PER WEEK	15-19 HOURS PER WEEK	10-14 HOURS PER WEEK	
SEPARATE EATING PLACE	1,134,489	1,486,099	742,507	3,363,095	
SEPARATE DRINKING PLACE	43,119	50,709	30,991	124,819	
RETAIL STORES	27,262	24,312	15,543	67,117	
HOTELS, MOTELS, OR TOURIST COURTS	159,453	132,517	23,247	315,217	
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	25,025	30,031	24,615	79,731	
RECREATION OR AMUSEMENT PLACES	59,404	61,520	34,169	155,093	
OTHER PUBLIC OUTLETS	47,396	19,451	7,871	74,718	
TOTAL PUBLIC	1,496,208	1,804,639	878,943	4,179,790	
PRIVATE HOSPITALS	101,254	36,551	24,408	162,213	
PUBLIC HOSPITALS	41,011	20,314	3,930	65,255	
RESIDENTIAL CARE FACILITIES	53,398	23,316	19,951	96,665	
NURSING AND PERSONAL CARE FACILITIES	95,940	90,749	22,603	209,292	
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	39,729	30,022	33,803	103,554	
OTHER INSTITUTIONAL FACILITIES	12,041	5,007	7,524	24,572	
TOTAL INSTITUTIONAL	343,373	205,959	112,219	661,551	
TOTAL	1,839,581	2,010,598	991,162	4,841,341	

TABLE 29 -- AVERAGE ANNUAL SALES OF VENDED FOODS PER ESTABLISHMENT WITH FOOD SERVICE, BY
KIND OF BUSINESS AND FOODS DISPENSED, 1979

KIND OF BUSINESS	VENDING MACHINES DISPENSING SPECIFIED PRODUCTS						
	HOT CANNED ITEMS	MILK AND CHOCOLATE DRINK	SOFT DRINKS	SANDWICHES	ICE CREAM		
SEPARATE EATING PLACE	6,121	3,700	3,852	4,290	4,404		
SEPARATE DRINKING PLACE	900	---	150	2,254	---		
RETAIL STORES	2,401	6,163	3,740	5,790	1,890		
HOTELS, MOTELS, OR TOURIST COURTS	2,500	---	8,283	4,860	---		
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	---	---	1,125	---	---		
RECREATION OR AMUSEMENT PLACES	1,498	2,451	3,559	1,495	930		
OTHER PUBLIC OUTLETS	2,809	2,651	4,404	2,102	1,895		
TOTAL PUBLIC	2,725	3,373	4,466	2,806	2,272		
PRIVATE HOSPITALS	2,920	1,990	4,455	2,191	2,897		
PUBLIC HOSPITALS	1,982	2,962	3,868	1,896	1,401		
RESIDENTIAL CARE FACILITIES	990	180	2,425	---	380		
NURSING AND PERSONAL CARE FACILITIES	1,849	1,373	2,870	1,295	1,295		
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	3,920	3,270	11,726	3,162	3,941		
OTHER INSTITUTIONAL FACILITIES	1,850	3,700	2,105	2,458	1,850		
TOTAL INSTITUTIONAL	2,203	2,451	3,919	2,396	2,723		
TOTAL	2,513	2,926	4,245	2,588	2,431		

--- = NOT AVAILABLE.

CONTINUED--

TABLE 29 -- AVERAGE ANNUAL SALES OF VENDED FOODS PER ESTABLISHMENT WITH FOOD SERVICE BY KIND OF BUSINESS
AND FOODS DISPENSED, 1979--CONTINUED

KIND OF BUSINESS	VENDING MACHINES DISPENSING SPECIFIED PRODUCTS						
	FRUITS	CANDY AND CONFECTIONS	CRACKERS, COOKIES, CAKES	COFFEE, TEA, COCOA	OTHER	TOTAL	
SEPARATE EATING PLACE	5,743	2,687	3,134	3,887	2,300	5,658	
SEPARATE DRINKING PLACE	---	150	---	900	---	1,338	
RETAIL STORES	---	1,628	3,528	5,790	1,950	8,047	
HOTELS, MOTELS, OR TOURIST COURTS	---	4,358	3,093	4,083	862	11,912	
CIVIC, SOCIAL OR FRATERNAL ASSOCIATIONS	---	1,266	798	---	---	2,170	
RECREATION OR AMUSEMENT PLACES	---	3,608	3,385	1,881	695	6,213	
OTHER PUBLIC OUTLETS	2,059	2,554	2,401	2,524	---	10,180	
TOTAL PUBLIC	2,907	2,998	2,830	2,838	1,458	7,407	
PRIVATE HOSPITALS	1,943	2,708	2,833	2,326	1,192	12,869	
PUBLIC HOSPITALS	1,282	1,745	1,289	3,841	3,983	10,053	
RESIDENTIAL CARE FACILITIES	---	1,501	400	1,251	2,346	3,389	
NURSING AND PERSONAL CARE FACILITIES	2,510	2,255	1,943	2,823	2,745	4,816	
COLLEGES, UNIVERSITIES, PROFESSIONAL OR NORMAL SCHOOLS	3,424	7,291	3,878	4,772	2,323	27,528	
OTHER INSTITUTIONAL FACILITIES	1,850	2,458	2,458	1,850	---	8,351	
TOTAL INSTITUTIONAL	2,176	3,028	2,372	2,963	2,552	8,789	
TOTAL	2,488	3,010	2,608	2,903	1,975	7,918	

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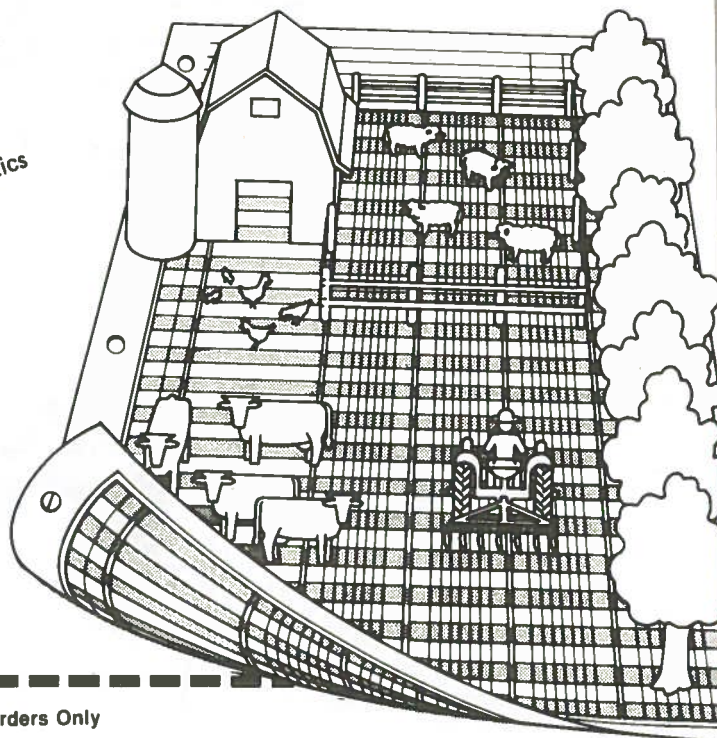
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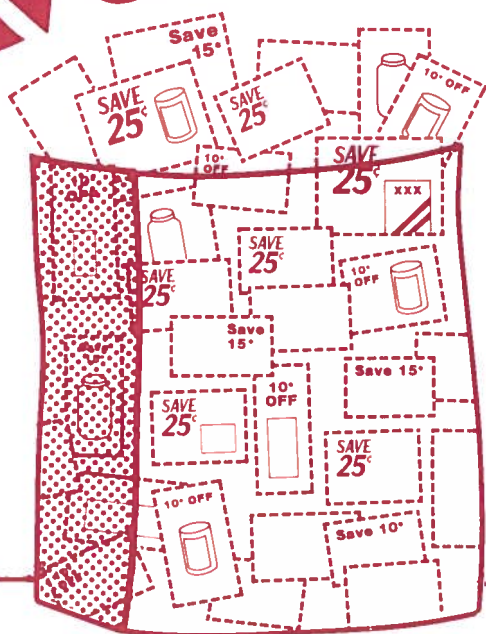
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