## CATALOGUE No.

## THE LABOUR FORCE NOVEMBER 1965

In the week ended November 13, 1965, the Canadian labour force was estimated at 7,159,000. This total included $5,939,000$ persons employed for all or part of the week and 220,000 persons unemployed for the whole week. Employment decreased by 69,000 between October and November, while unemployment increased by 49,000. Compared with November 1964, the 1 abour force was 194,000 higher, employment was 231,000 higher and unemployment was 37,000 lower.

From October, employment in agriculture declined by 109,000 ; nonagricultural employment rose by 40,000 during the month. Employment in
nonagricultural industries was higher by 293,000 and agricultural employment was lower by 62,000 than in November last year. Of the total decrease in employment from October to November, men accounted for 52,000 and women accounted for 17,000. Employment was higher than in November 1964 by 130,000 among men and by 101,000 among women.

Unemployment amounted to 3.1 per cent of the labour force in November, compared with unemployment rates of 2.4 in October 1955 and 3.7 in November last year. Seasonally adjusted, the unemployment rate was 3.6 in November 1965.


## Teenagers in the Labour Force

In spite of the continuing decline in labour force participation of persons 14-19 years of age, this group still represents an important part of the total labour force.

The participation rate for this age group has dropped steadily since the inception of the labour force survey in November 1945. In 1946, the percentage of teenagers in the labour force was 49.1 and in 1964 it was down to 34.2. For young men the decline was greater than for young women. For the former the participation rate dropped from 60.5 to 38.3 per cent and for the latter from 37.7 to 29.9 per cent. Consequently, the spread in the participation rate between girls and boys was greatly reduced.

## The Labour Force - 14-19 Years of Age

(annual averages)

|  | Labour Force |  |  | Participation Rates |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | (000's) |  |  |  | (\%) |  |
|  | T | M | W | T | M | W |
| 1961 | 630 | 353 | 278 | 36.2 | 40.3 | 32.3 |
| 1962 | 648 | 367 | 280 | 35.4 | 39.6 | 30.9 |
| 1963 | 672 | 386 | 286 | 34.6 | 39.2 | 29.9 |
| 1964 | 700 | 398 | 301 | 34.2 | 38.3 | 29.9 |

Between 1961 and 1964, the number of teenagers in the labour force increased by 70,000 or 11.1 per cent. Over the same period, the total labour force rose by 412,000 , or 6.3 per cent. Putting it another way, teenagers, while comprising only 10 per cent of the total labour force, accounted for 17 per cent of the increase. In 1964 , there were 12.7 per cent more boys in the labour force than in 1961 and 8.3 per cent more girls. These gains in the teenage labour force reflect the rapid expansion of this age group as a result of the high birth-rates that prevailed following world war II.

Total employment of persons $14-19$ years of age rose by 80,000 ( 55,000 men, 26,000 women) between 1961 and 1964. Practically all of this increase was in nonagricultural industries, in which male employment rose by 23 per cent and female employment by 10 per cent. In 1964 there were as many boys as girls employed in nonagricultural industries. Workers in agriculture, comprising mostly men, remained virtually unchanged during this perfod and averaged 90,000 .

Nonagricultural Employment - 14-19 Years of Age (annual averages)
(estimates in thousands)

|  | Both Sexes |  | Men | Women |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 1961 | 462 |  | 217 | 245 |
| 1962 | 480 |  | 231 | 249 |
| 1963 | 506 |  | 251 | 255 |
| 1964 | 536 | 267 | 269 |  |

Persons $1+\frac{1}{}$ g yenis of ago tand to have more difficulty in obtaining employment than persons in the older age groups. Some of the contributing factors are insufficient formal education and lack of experience or training. There is also a tendency for young persons to try a number of jobs before settling on permanent employment.

The unemployment rate among teenagers remains relatively very high. For both boys and girls the rate continues to be about twice the rate for all ages.
$\frac{\text { Unemployment Rates }-14-19 \text { Years of Age }}{\text { (annual averages) }}$

|  | Both | Sexes | Men |  | Women |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | All ages | 14-19 | $\begin{aligned} & \text { All } \\ & \text { ages } \end{aligned}$ | 14-19 | All ages | 14-19 |
| 1961 | 7.1 | 13.2 | 8.4 | 16.4 | 3.7 | 8.6 |
| 1962 | 5.9 | 11.6 | 6.9 | 14.4 | 3.3 | 7.9 |
| 1963 | 5.5 | 11.5 | 6.4 | 14.0 | 3.3 | 7.7 |
| 1964 | 4.7 | 10.3 | 5.3 | 12.3 | 3.1 | 7.6 |

The impact of teenagers on the labour force is most noticeable at the end of the school year. With the start of summer vacation, a large number of persons previously categorized as "going to school" are classified to other non-labour force categories such as "voluntarily idle" and "keeping house". However, a very substantial number also enter the labour force.

The number of students entering the labour force between June and July has increased from an average of 171,000 in the $1956-60$ period to 207,000 in the years 1961-65.

Estimated Change of Status of Students Aged 14-19
Between June and July 1956-1965
(estimates in thousands)

|  | Decrease <br> In | Increase in:- |  |  |
| :--- | :---: | :---: | :---: | :---: |
|  |  | Labour <br> Force(1) | Keeping <br> house(1) | Voluntarily <br> idle and <br> other (1) |
| 1956 |  | 144 | 70 | 342 |
| 1957 | 611 | 153 | 87 | 378 |
| 1958 | 703 | 159 | 73 | 476 |
| 1959 | 802 | 206 | 81 | 521 |
| 1960 | 874 | 193 | 78 | 610 |
| 1961 | 950 | 190 | 83 | 685 |
| 1962 | 819 | 173 | 67 | 585 |
| 1963 | 881 | 199 | 59 | 631 |
| 1964 | 952 | 219 | 74 | 666 |
| 1965 | 1,022 | 252 | 58 | 721 |

(1) Includes those reaching age 14 and exclude:; those reaching age 20 in July.
(Continued on page 8)

## Technical Notes <br> Scope of Labour Force Survey

The statistics contained in this report are based on information obtained through a sample survey of households. Interviews are carried out in about 30,000 households chosen by area sampling methods across the country. The Labour Force Survey, started in November 1945, was taken at quarterly intervals until November 1952. Since then it has been carried out monthly. Estimates of employment, unemployment and non-labour force activity refer to the specific week covered by the survey each month.

The sample used in the surveys of the labour force has been designed to represent all
persons in the population 14 years of age and over residing in Canada, with the exception of: residents of the Yukon and Northwest Territories, Indians living on reserves, inmates of institutions and members of the armed forces. These excluded categories amount to about three per cent of the total population 14 years of age and over.

Estimates derived from a sample survey are subject to sampling and other kinds of error. Aspects of this subject in relation to the Labour Force Survey are reviewed under "Reliability of Estimates ${ }^{\prime \prime}$ on page 8.

## Labout Force Statistics

Contents of the Tables - The results of the survey are presented in the tables on pages 4 to 7 of this report.

Canada, Labour Force (pages 4 and 5). Tables 1 to 3 refer to the labour force, employment and unemployment and contain labour force participation and unemployment rates.

Canada, Employed (page 6). Tables 4 to 6 contain further detail on employment. Canada, Unemployed (page 7). Table 7 contains further detall on unemployment.

Regions, Labour Force (page 7).
Table 8 contains labour force data for the regions.
Supplementary Data - From time to time, additional data on particular aspects of the labour force or its components will be obtained. Such material, as it becomes avallable, will be released through occasional supplements inserted in or attached to regular issues of this report.

Other Data Available - In addition to the published statistics, there is a considerable amount of data which can be obtained on request. Following is a list of material available.

For Canada only:

1. Age and sex distributions.
2. Marital status and sex distributions.
3. Employed -
(a) Reasons for working less than full-time.
(b) Hours worked by sex for total employed, agriculture and non-agriculture, and for paid workers, non-agriculture.
(c) Industry and occupation groups, by sex for total employed and for paid workers.
4. Persons not in the labour force by category.

For regions:

1. Labour force -
(a) By age.
(b) Agriculture and non-agriculture by sex.
2. Employed by age.

## Definitions and Explanations

Labour Force - The civilian labour force is composed of that portion of the civilian noninstitutional population 14 years of age and over who, during the reference week, were employed or unemployed.

Employed - The employed includes all persons who, during the reference week:
(a) did any work for pay or profit;
(b) did any work which contributed to the running of a farm or business operated by a related member of the household; or
(c) had a job, but were not at work, because of bad weather, illness, industrial dispute, or vacation, or because they were taking time off for other reasons.
Persons who had jobs but did not work during the reference week and who also looked for work are included in the unemployed as persons without work and seeking work.

Unemployed - The unemployed includes all persons who, through the reference week:
(8) were without work and seeking work, i.e., did no work during the reference week and were looking for work; or would have been looking for work except that they were temporarily 111, were on indefinite or prolonged layoff, or believed no suitable work was available in the comounity; or
(b) were temporarily laid off for the full week, i.e., were waiting to be called back to a job from which they had been laid off for less than 30 days.

Not in the Labour Force - Those not in the labour force include all civilians 14 years of age and over (exclusive of institutional populstion) who are not classified as employed or unemployed. This category includes those: going to school; keeping house; too old or otherwise unable to work; and voluntarily idle or retired. Housewives, students and others who worked parttime are classified as employed. If they looked for work they are classified as unemployed.
[Estimales in thousands)
Note: Due to the introduction of revised weighting factors in March 1955, small adjustments have been made to estimates published before that time. See the March 1965 edition of this report, page 8.

| $\frac{\text { Table } 1}{\text { Sumnary }}$ | 1965 |  | 1964 |  | 1963 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { Nov. } \\ 13 \end{gathered}$ | $\begin{gathered} \text { Oct. } \\ 16 \end{gathered}$ | Nov. 14 | Oct. <br> 17 | Nov. 16 | $\begin{gathered} \text { Oct. } \\ 19 \end{gathered}$ |
| Total |  |  |  |  |  |  |
| Population 14 years of age and over(1) | 13,252 | 13,226 | 12,929 | 12,905 | 12,637 | 12,617 |
| Labour force | 7,159 | 7,179 | 6,965 | 6,975 | 6,811 | 6,853 |
| Employed | 6,939 | 7,008 | 6,708 | 6,718 | 6,508 | 6,587 |
| Agriculture | 523 | 632 | 585 | 641 | 621 | 668 |
| Non-agriculture | 6,416 | 6,376 | 6,123 | 6,077 | 5,887 | 5,919 |
| Unemployed | 220 | 171 | 257 | 257 | 303 | 266 |
| Not in labour force | 6,093 | 6,047 | 5,964 | 5,930 | 5,826 | 5,764 |
| Participation rate(2) | 54.0 | 54.3 | 53.9 | 54.0 | 53.9 | 54.3 |
| Unemployment rate (3) |  |  |  |  |  |  |
| Actual | 3.1 | 2.4 | 3.7 | 3.7 | 4.4 | 3.9 |
| Seasonally adjusted | 3.6 | 3.2 | 4.3 | 4.9 | 5.2 | 5.1 |
| Men |  |  |  |  |  |  |
| Population 14 years of age and over(1) | 6,568 | 6,555 | 6,406 | 6,395 | 6,265 | 6,255 |
| Labour force | 5,047 | 5,057 | 4,950 | 4,968 | 4,868 | 4,894 |
| Employed | 4,879 | 4,931 | 4,749 | 4,771 | 4,624 | 4,687 |
| Agriculture | 466 | 540 | 521 | 564 | 559 | 588 |
| Non-agriculture | 4,413 | 4,391 | 4,228 | 4,207 | 4,065 | 4,099 |
| Unemployed | 168 | 126 | 201 | 197 | 244 | 207 |
| Not in labour force | 1,521 | 1,498 | 1,456 | 1,427 | 1,397 | 1,361 |
| Participation rate(2) | 76.8 | 77.1 | 77.3 | 77.7 | 77.7 | 78.2 |
| Onemployment rate (3) | 3.3 | 2.5 | 4.1 | 4.0 | 5.0 | 4.2 |
| Women |  |  |  |  |  |  |
| Population 14 years of age and over(1) | 6,684 | 6,671 | 6,523 | 6,510 | 6,372 | 6,362 |
| Labour force | 2,112 | 2,122 | 2,015 | 2,007 | 1,943 | 1,959 |
| Employed | 2,060 | 2,077 | 1,959 | 1,947 | 1,884 | 1,900 |
| Agriculture | 57 | 92 | 64 | 77 | 62 | 80 |
| Non-agriculture | 2,003 | 1,985 | 1,895 | 1,870 | 1,822 | 1,820 |
| Unemployed | 52 | 45 | 56 | 60 | 59 | 59 |
| Not in labour force | 4,572 | 4,549 | 4,508 | 4,503 | 4,429 | 4,403 |
| Participation rate(2) | 31.6 | 31.8 | 30.9 | 30.8 | 30.5 | 30.8 |
| Unemployment rate(3) | 2.5 | 2.1 | 2.8 | 3.0 | 3.0 | 3.0 |

(1) Excludes inmates of institutions, members of the armed services, Indians living on reserves and residents of the Yukon and Northwest Territories.
(2) The labour force as a percentage of the population 14 years of age and over.
(3) The unemployed as a percentage of the labour force.

Note: With the exception of Tables 2 and 5, all statistics refer to a specific week, the last day of which is indicated.

Note: Due to the introduction of revised weighting factors in March 1965,
:mall adjustments have been made to estimates published before that time.
Sce the March 1965 edition of this report, page 8.

|  | 1964 | 1963 | 1962 | 1961 | 1960 | 19 |  | 195 | 1957 | 1956 | 1955 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Population 14 years of age and over(1) | 12,817 | 12,536 | 12,280 | 12,053 | 11,831 |  |  | 11. | 11,1 | 10, 0\% | 10.59\% |
| Labour force | 6,933 | 6,748 | 6,615 | 6,521 | 6,411 |  |  | 6, | 7 6,00 | 8 5,782 | 5,610 |
| Employed Agriculture | 6,609 630 | 6,375 649 | 6,225 660 | 6,055 681 | 5,965 |  | 70 | 5,7 | 6 5,73 <br> 8 74 | 1 5,585 <br> 777  | 5,364 819 |
| Non-agriculture | 5,979 | 5,726 | 5,565 | 5,374 | 5,282 |  |  | 4,9 | 4,98 | 3 4,808 | 4,546 |
| Unemployed | 324 | 374 | 390 | 466 | 446 |  | 72 |  | 32 | 197 | 245 |
| Not in the labour force $\qquad$ | 5,884 | 5,787 | 5,665 | 5,531 | 5,420 |  |  |  | 5, | 5,025 | 4,987 |
| Participation rate(2) | 54.1 | 53.8 | 53.9 | 54.1 | 54.2 |  |  |  | 54 | 53.5 | 52.9 |
| Unemployment rate (3) | 4.7 | 5.5 | 5.9 | 7.1 | 7.0 |  | . 0 |  | 4. | 3.4 | 4.4 |
|  | 1954 | 1953 | 1952 | 1951 |  | 50 | 19 |  | 1948 | 1947 | 1946 |
| Population 14 years of age and over(1) | 10,391 | 10,164 | 9,956 | 9,732 | 9,6 |  |  | 268 | 9,141 | 9,007 | 8,779 |
| Labour force | 5,493 | 5,397 | 5,324 | 5,223 | 3 5,163 |  |  | 055 | 4,988 | 4,942 | 4,829 |
| Employed | 5,243 | 5,235 | 5,169 | 5,097 | 4,9 |  |  | 913 | 4,875 | 4,832 | 4,665 |
| Agriculture | 878 | 858 | 891 | 939 | 1,0 |  |  | 077 | 1,096 | 1,122 | 1,186 |
| Non-agriculture | 4,365 | 4,377 | 4,278 | 4,158 | 3,9 |  |  | 837 | 3,779 | 3,711 | 3,480 |
| Unemp loyed | 250 | 162 | 155 | 126 |  | 86 |  | 141 | 114 | 110 | 163 |
| Not in the labour force | 4,898 | 4,767 | 4,632 | 4,509 | 4, |  |  | 213 | 4,153 | 4,065 | 3,950 |
| Participation rate(2) | 52.9 | 53.1 | 53.5 | 53.7 |  | . 7 |  | 4.5 | $54 . \overline{6}$ | 54.9 | 55.0 |
| Unemp loyment rate(3) | 4.6 | 3.0 | 2.9 | 2.4 |  | . 6 |  | 2.8 | 2.3 | 2.2 | 3.4 |


(1)(2)(3) See footnotes on opposite page.

* Less than 10,000 unemployed.

Note: Newfoundland included in estimates only from 1950.

Note: Due to the introduction of revised weighting factors in March 1965 , small adjustments have been made to estimates published before that time. See the March 1965 edition of this report, page 8.

|  | 1965 |  | 1964 |  | 1963 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nov. 13(1) | Oct. 16(1) | Nov. $14(1)$ | Oct. <br> 17(1) | Nov. 16(1) | Oct. 19(1) |
| Total employed Agriculture Non-agriculture | 6,939 523 6,416 | $\begin{array}{r} 7,008 \\ 632 \\ 6,376 \end{array}$ | 6,708 585 6,123 | 6,718 641 6,077 | $\begin{array}{r} 6,508 \\ 621 \\ 5,887 \end{array}$ | 6,587 668 5,919 |
| Employed, non-agriculture | 6,416 | 6,376 | 6,123 | 6,077 | 5,887 | 5,919 |
| Usually work 35 hours or more | 5,806 | 5,799 | 5,566 | 5,514 | 5,387 | 5,421 |
| At work 35 hours or more | 4,458 | 3,417 | 4,421 | 3,067 | 4,260 | 3,336 |
| At work less than 35 hours, or not at work | 1,348 | 2,382 | 1,145 | 2,447 | 1,127 | 2,085 |
| Due to economic reasons (2) | 59 | 49 | 63 | 53 | 62 | 53 |
| Due to other reasons (3) | 1,289 | 2,333 | 1,082 | 2,394 | 1,065 | 2,032 |
| Usually work less than 35 hours | 610 | 577 | 557 | 563 | 500 | 498 |


| $I_{I}$ | 1965 |  | 1964 |  | 1963 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Average Sept. Oct. Nov. | Average Aug. Sept. Oct. | Average Sept. Oct. Nov. | Average Aug. Sept. Oct. | Average Sept. Oct. Nov. | Average Aug. Sept. Oct. |
| Total employed | 6,977 | 7,090 | 6,731 | 6,819 | 6,557 | 6,640 |
| Agriculture | 593 | 664 | 635 | 681 | 668 | 721 |
| Other primary industries | 247 | 269 | 206 | 212 | 188 | 189 |
| Manufacturing | 1,647 | 1,680 | 1,702 | 1,722 | 1,585 | 1,600 |
| Construction | 516 | 523 | 454 | 451 | 446 | 459 |
| Transportation and other utilities | 613 | 626 | 590 | 609 | 595 | 615 |
| Trade | 1,151 | 1,137 | 1,121 | 1,135 | 1,106 | 1,087 |
| Finance, insurance, real estate | 277 | 290 | 253 | 256 | 255 | 256 |
| Community, personal, other services | 1,539 | 1,488 | 1,384 | 1,363 | 1,342 | 1,335 |
| Public administration | 394 | 413 | 386 | 390 | 372 | 378 |

Note: Statistics in Table 5 are based on the 1960 Standard Industrial Classification, introduced with March 1965 data. Estimates by industry published previously to March 1965 were based on the 1948 Standard Industrial Classification. Estimates by industry from January 1961 to date based on the new classification are avallable on request.

| Table 6 <br> C1ass of worker, agriculture and non-agriculture, and sex Week ended November 13, 1965 | Total | Paid workers | Own account workers | Employers | Unpaid <br> family <br> workers |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Total employed | 6,939 | 5,866 | 551 | 353 | 169 |
| Agriculture | 523 | -79 | 291 | 48 | 105 |
| Non-agriculture | 6,416 | 5,787 | 260 | 305 | 64 |
| Men | 4,879 | 4,005 | 476 | 326 | 72 |
| Agriculture | 466 | 70 | 286 | 47 | 63 |
| Non-agriculture | 4,413 | 3,935 | 190 | 279 | * |
| Women | 2,060 | 1,861 | 75 | 27 | 97 |
| Agriculture | 57 | * | * | * | 42 |
| Non-agriculture | 2,003 | 1,852 | 70 | 26 | 55 |

(1) In the October and November reference weeks of 1963,1964 and 1965 , unusually large numbers worikad fewer than 35 hours due to Remembrance Day or Thanksgiving Day holidays.
(2) Economic reasons for not working 35 hours or more include short time, layoff for part of the wedk and termination or start of employment during the week.
(3) Other reasons for not working 35 hours or more include illness, bad weather, industrial dispute, vacation, and reasons such as a statutory holiday in the week.

* Less than 10,000 .

Note: Due to the introduction of revised weighting factors in March 1965 , small adjustments have been made to estimates published before that time. See the March 1965 edition of this report, page 8.

Regions, Labour Force
(Estimates in thousands)

| Table 7 Unemployed | 1965 |  | 1964 |  | 1963 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nov. 13 | Oct. <br> 16 | Nov. 14 | $\begin{gathered} \text { Oct. } \\ 17 \end{gathered}$ | Nov 16 | Oct. <br> 19 |
| Total unemployed | 220 | 171 | 257 | 257 | 303 | 266 |
| Without work and seeking work | 204 | 161 | 243 | 244 | 286 | 254 |
| Seeking full-time work | 188 | 152 | 228 | 229 | 270 | 241 |
| Seeking part-time work | 16 | * | 15 | 15 | 16 | 13 |
| On temporary layoff up to 30 days | 16 | 10 | 14 | 13 | 17 | 12 |
| Without work and seeking work | 204 | 161 | 243 | 244 | 286 | 254 |
| Seeking under 1 month | 90 | 64 | 94 | 109 | 111 | 97 |
| Seeking 1-3 months | 70 | 55 | 83 | 75 | 99 | 84 |
| Seeking 4-6 months | 24 | 22 | 32 | 26 | 34 | 30 |
| Seeking more than 6 months | 20 | 20 | 34 | 34 | 42 | 43 |


| Table 8 Regional distributions Week ended November 13, 1965 | Canada | Atlantic region | Quebec | Ontario | Prairle region | British Columbia |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Population 14 years of age and over Men <br> Women | $\begin{array}{r} 13,252 \\ 6,568 \\ 6,684 \end{array}$ | $\begin{array}{r} 1,276 \\ 634 \\ 642 \end{array}$ | $\begin{aligned} & 3,836 \\ & 1,890 \\ & 1,946 \end{aligned}$ | $\begin{aligned} & 4,661 \\ & 2,295 \\ & 2,366 \end{aligned}$ | $\begin{aligned} & 2,224 \\ & 1,126 \\ & 1,098 \end{aligned}$ | $\begin{array}{r} 1,255 \\ 623 \\ 632 \end{array}$ |
| Labour force | 7,159 | 609 | 2,038 | 2,621 | 1,221 | 670 |
| Men | 5,047 | 440 | 1,460 | 1,806 | 871 | 470 |
| Women | 2,112 | 169 | 578 | 815 | 350 | 200 |
| Employed | 6,939 | 580 | 1,945 | 2,572 | 1,197 | 645 |
| Men | 4,879 | 415 | 1,385 | 1,774 | 852 | 453 |
| Women | 2,060 | 165 | 560 | 798 | 345 | 192 |
| Agriculture | 523 | 31 | 103 | 134 | 235 | 20 |
| Non-agriculture | 6,416 | 549 | 1,842 | 2,438 | 962 | 625 |
| Psid workers | 5,866 | 499 | 1,678 | 2,241 | 876 | 572 |
| Men | 4,005 | 349 | 1,169 | 1,509 | 583 | 395 |
| Women | 1,861 | 150 | 509 | 732 | 293 | 177 |
| Dnemployed | 220 | 29 | 93 | 49 | 24 | 25 |
| Men | 168 | 25 | 75 | 32 | 19 | 17 |
| Women | 52 | * | 18 | 17 | * | * |
| Not in labour force | 6,093 | 667 | 1,798 | 2,040 | 1,003 | 585 |
| Men | 1,521 | 194 | 430 | 489 | 255 | 153 |
| Women | 4,572 | 473 | 1,368 | 1,551 | 748 | 432 |
| Euployed 1965, November 13 | 6,939 | 580 | 1,945 | 2,572 | 1,197 | 645 |
| October 16 | 7,008 | 602 | 1,965 | 2,559 | 1,238 | 644 |
| 1964, November 14 | 6,708 | 547 | 1,867 | 2,506 | 1,173 | 615 |
| October 17 | 6,718 | 562 | 1,853 | 2,487 | 1,201 | 615 |
| 1963, November 16 | 6,508 | 532 | 1,818 | 2,428 | 1,149 | 581 |
| October 19 | 6,587 | 550 | 1,841 | 2,432 | 1,176 | 588 |
| Unemployed 1965, November 13 | 220 | 29 | 93 | 49 | 24 | 25 |
| October 16 | 171 | 23 | 75 | 37 | 13 | 23 |
| 1964, November 14 | 257 | 39 | 97 | 61 | 33 | 27 |
| October 17 | 257 | 33 | 98 | 74 | 24 | 28 |
| 1963, November 16 | 303 | 43 | 112 | 75 | 37 | 36 |
| October 19 | 266 | 39 | 101 | 67 | 27 | 32 |

* Less than 10,000 .


## Reliability of Estimates

## (a) Non-sampline Variability

Tha data obtained by enumeration, elther of the encire population or of a sample of it, will differ in some degree from the true data as outlined by the definitions because of enumerator and respondent variations. The amount of variance associated with these factors differs with the asture of the inquiry. In general, the more personal and more subjective inquiries are subject to greater error.

## (b) Sampling Variability

In addition to non-sampling error, mentioned in subsection (a), the survey results are subject to ampling varlability. While for the non-sampling component of errors statistical estimates of 1 ts magnitude are not available, estimates of the probable range of the sampling component of error have been calculated. Estimates of the ampling variability for specified sizes of estimates in any month are given in the table in the next column.

The measure of sampling variability as shown is twice the standard deviation; thus the odds are about 19 to 1 that the range (Labour Force Estimate + Sampling Variabiilty) contains the true estimates.

These estimates are averages since sampling variabi11ty differs from characteristic to characteristic and Erom month to month. In particular, for the unemplayed and for persons working from 1 to 34 hours, the sampling variability $1 s$ about 40 per cent higher than the general average and this higher varlability is shown in the table also.

These estimates of sampiling variability cannot be applied directly to estimates of month-to-month change. However, studies indicace that the sampling variability of a difference over perlod of one month can be approximated for the employed and for the unemployed using the following formula: ( 0.6 ) times (the square root of the sum of the squares of the sampling variabilities assoclated with the cwo estimates).

For example, suppose the estimates of employad persons in June and July, were 6,139,000 and 6,262,000
respectively, with sampling variabilities of about 61,000 each. The difference between these two estimates (123,000) would have a sampling variablilty of approximately:

$$
0.6 \sqrt{61,000^{2}+61,000^{2}} \text { or about } 52,000
$$

For "the unemployed", suppose the corresponding estimates for June and July were 315,000 and 330,000 with sampling varlabllities of about 28,000 . The difference between these two estimstes ( 15,000 ) would have a sampling variability of approximately:
$0.6 \sqrt{28,000^{2}+28,000^{2}}$ or about 24,000 .

Estimed sampling variability for the mejor labour force characteristics by size of estimate

| Size of estimate | General sampling variability |  | ```Ganeral sampling variability + 40% (1)``` |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Slze | Per cent | Size | Per cent |
| 10,000 | 3,500 | 35.0 | 5,000 | 50.0 |
| 25,000 | 5,500 | 22.0 | 7,500 | 30.0 |
| 50,000 | 8,000 | 16.0 | 11,000 | 22.0 |
| 75,000 | 9,500 | 12.7 | 13,500 | 18.0 |
| 100,000 | 11,000 | 11.0 | 15,500 | 15.5 |
| 250,000 | 17,500 | 7.0 | 24,500 | 9.8 |
| 500,000 | 24,000 | 4.8 | 33,500 | 6.7 |
| 750,000 | 28,500 | 3.8 | 40,000 | 5.3 |
| 1,000,000 | 33,000 | 3.3 | 46,000 | 4.6 |
| 2,500,000 | 49,000 | 2.0 |  |  |
| 5,000,000 | 58,000 | 1.2 |  |  |
| 6,000,000 | 60,000 | 1.0 |  |  |

(1) Applicable to the unemployed and to persons working 1 to 34 hours.

Teenagers in the Labour Force (continued from page 2)

As the following table demonstrates, labour force participation of teenagers is greater during July and August than in the rest of the year, partlcularly for young men.

For young men, the unemployment rate is substantially lower during the summer holidays than during the rest of the year. This is a possible indication that those entering the labour force on a temporary basis at this time are more successful in obtaining employment. For young women, the unemployment rate is not significantly different.

## Participation and Unemployment Rates 14-19 years of age

|  |  | Participation$\qquad$ |  | UnemploymentRate |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Men | Women | Men | Women |
| 1961 | July \& August | 54.3 | 38.1 | 11.7 | 7.9 |
|  | Other ten mos. | 37.4 | 31.0 | 18.0 | 9.0 |
| 1962 | July \& August | 55.4 | 38.2 | 11.4 | 6.9 |
|  | Other ten mos. | 36.5 | 29.4 | 15.4 | 7.9 |
| 1963 | July \& August | 54.8 | 36.6 | 10.5 | 8.0 |
|  | Other ten mos. | 36.1 | 28.6 | 15.2 | 7.7 |
| 1964 | July \& August | 54.9 | 37.6 | 9.4 | 7.9 |
|  | Other ten mos | 35. | 28.3 | 13.2 | 7.4 |

In recent years, most young persons obtaing summer employment have found jobs in nonagricultural industries. However, they continue to contribute substantially to agriculture. Of the increase in total agricultural employment between June and July, teenagers have accounted, on average, for more than three-quarters in the last five years. Most of the young persons employed in agriculture are boys.

## Increase in Employment of Teenagers <br> Between June and July <br> (in thousands)

## Agriculture

Both
Sexes Men Women
59
$59-50$
$50 \quad 9$

| 59 | 50 | 9 |
| ---: | ---: | ---: |
| 54 | 47 | 7 |
| 55 | 44 | 7 |

Non-agriculture
Both
Sexes Men Women
$117 \quad 7245$
$\begin{array}{lllll}55 & 44 & 11 & 173 & 105 \\ 58\end{array}$

