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## DOMINION RUREAU THE LABOER FÓRCE TCS UNE 1962 23 <br> PROPERTYCOATHME

In the week ended June 22, 1968, the Canadian labour force was estimated at $8,158,000$. Of this total, $7,763,000$ persons were employed for all or part of the week and 395,000 were unemployed for the whole week. The labour force increased by 287,000 from May, the employed by 258,000 and the unemployed by 29,000. Compared with June 1967, the labour force, the employed and the unemployed were higher by $299,000,196,000$ and 103,000 , respectively.

Nearly all the change in the number employed between May and June occurred in non-

L|BPRAqLYwas 211000 higher than in June 1967, , in agriculture was 15,000 lower. Men accounted for 191,000 and women for 67,000 of the May-to-June employment increase. Employment was higher than in June 1967, by 112,000 for men and by 84,000 for women.

Expressed as a percentage of the labour force, the unemployment rate was 4.8. In May the rate was 4.6 and in June last year it was 3.7. Seasonally adjusted, the unemployment rate in June 1968 was 5.5.


## Labour Force Participation <br> 1967 Annual Averages

Labour force participation in Canada reached a post-war high. On average in 1967, 55.5 per cent of the total population 14 years of age and? over either worked or looked for work. However, the overall pattern did not change. The male participation rate which had been dropping consistently fell to its lowest level of 77.5. Women continued to enter the labour force in increasing numbers and their rate of 33.8 , in $\mathrm{m}_{\mathrm{I}}$ 1967, was at its highest.

For both sexes combined, the group 20-24 years of age had the highest participation rate in 1967, and those 65 years of age and over the lowest. Among men, the rate was highest for those 25-44 years of age. Almost two out of five teenage boys and one out of four men 65 years of age and over were in the labour force. For the latter group the participation rate has been declining steadily. Although the number of men 65 years of age and over has risen by about 60 per cent in the past 20 years, there are actually fewer of this age group in the labour force now.

Among women, the highest participation rate remains in the group 20-24 years of age. However, women $25-44$ and 45-64 years of age continue to enter the labour force in increasing numbers, the participation rate for the latter group having more than doubled since 1953. Labour force attachment of older women is still very low.

## Labour Force Participation Rates by Age and Sex

## 1967 Annual Averages

|  | Both Sexes |  | Men |  |
| :---: | :---: | :---: | :---: | :---: |
| Al1 Ages | 55.5 |  | 77.5 | 33.8 |
| $14-19$ years | 35.5 |  | 39.4 | 31.6 |
| $20-24$ years | 71.3 |  | 86.0 | 56.6 |
| $25-44$ years | 66.3 |  | 97.3 | 35.7 |
| 45-64 years | 63.2 |  | 91.7 | 35.1 |
| 65 and over | 14.7 |  | 24.7 | 5.9 |

A recent development of interest has been the apparent slowing down in the rate of decrease in participation rates of teenagers. Between 1946 and 1964 the participation rate of persons $14-19$ years of age decreased almost uninterruptedly from 49.1 per cent to 34.2 per cent. For boys the downward trend has been more severe, the participation rate dropping from 60.5 per cent to 38.3 per cent. Among girls it was less pronounced, the rate decreasing from 37.7 per cent to 29.9 per cent.


In 1967, the participation rate for those $14-19$ years of age was 35.5 per cent compared with 34.2 per cent in 1964. This small increase was due almost entirely to a shift in the population within this group. In 1967, there were proportionately more persons in the 17-19 year sub-group whose rate of participation is substantially higher than for younger persons.

| Participation Rates - 14-19 years of are |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Population |  | Participation Rates |  |
|  | 1967 | 1964 | $\underline{1967}$ | 1964 |
| 14-19 years | 100.0 | 100.0 | 35.5 | 34.2 |
| 14 years | 17.6 | 18.6 | 10.9 | 9.2 |
| 15-16 years | 34.3 | 35.4 | 21.4 | 21.1 |
| 17-19 years | 48.1 | 46.0 | 54.7 | 54.4 |

More than half of all single and married persons and almost one in three other persons (which include widowed, divorced and separated) were in the labour force in 1967.

Labour force participation for married men has been declining slowly but steadily in recent years. In 1967, their participation rate was 88.4 per cent, compared with 89.8 per cent in 1959. The opposite is true for married women. Their rate rose from 18.0 per cent to 28.3 per cent, in this relatively short period.

## Technical Notes

## 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 nearly 35,000 households chosen by area sampling methods across the country. Percentages of total households selected for the sample were as follows: Atlantic region, 1.6 p.c.; Quebec, $0.5 \mathrm{p} . \mathrm{c}$.; Ontario, $0.5 \mathrm{p} . \mathrm{c} . ;$ Prairie region, $0.8 \mathrm{p.c.;}$ British Columbia, 0.7 p.c. 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 non-sampling errors. Aspects of this subject in relation to the Labour Force Survey are reviewed under "Reliability of Estimates" on page 8.

## Labour 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 Farce (page 4 and 5). Tables 1 to 3 refer to the labour force, employment and unemployment and contain labour force participation and uremployment rates.

Canada, Employed (page 6). Tables 4 to 6
contain further detall on employment.
Canada, Unemployed (page 7). Table 7 contains further detail 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 available, will be either included in this report or released in separste reporte.

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 Canade 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:

5. Labour force: by age; by sex, agricultural and nonagricultural.
Employed: by age.
For individual provinces of Atlantic and Prairie regions:
6. Population 14 years of age and over and labour force: by sex.
Total employed, total unemployed, and total persons not in labour force.

## 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 unemplayed as persons without work and seeking work.

Unemployed - The unemployed includes all persons who, through the reference week:
(a) were without work and seeking work, 1.e., did not 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 community; or
(b) were temporarily laid off for the full week, 1.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 (exclustve of institutional population) 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 part-time are classi= fied as employed. If they looked for work they are classified as unemployed.

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.

| $\frac{\text { Table } 1}{\text { Summary }}$ | S.D. | 1968 |  | 1967 |  | 1966 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | June 22 | $\begin{aligned} & \text { May } \\ & 18 \end{aligned}$ | June 17 | $\begin{aligned} & \text { May } \\ & 20 \end{aligned}$ | June 18 | $\begin{aligned} & \text { May } \\ & 21 \end{aligned}$ |
| Total |  |  |  |  |  |  |  |
| Population 14 years of age and over(2) |  | 14,249 | 14,213 | 13,856 | 13,824 | 13,453 | 13,424 |
| Labour force | a | 8,158 | 7,871 | 7,859 | 7,713 | 7,533 | 7,383 |
| Emp loyed | a | 7,763 | 7,505 | 7,567 | 7,409 | 7,303 | 7,136 |
| Agriculture | d | 591 | 584 | 606 | 600 | 575 | 591 |
| Non-agriculture | a | 7,172 | 6,921 | 6,961 | 6,809 | 6,728 | 6,545 |
| Unemployed | d | 395 | 366 | 292 | 304 | 230 | 247 |
| Not in the labour force | a | 6,091 | 6,342 | 5,997 | 6,111 | 5,920 | 6,041 |
| Participation rate (3) | a | 57.3 | 55.4 | 56.7 | 55.8 | 56.0 | 55.0 |
| Unemployment rate (4) <br> Actual <br> Seasonally adjusted | d | $\begin{aligned} & 4.8 \\ & 5.5 \end{aligned}$ | $\begin{aligned} & 4.6 \\ & 4.9 \end{aligned}$ | 3.7 4.2 | $\begin{aligned} & 3.9 \\ & 4.2 \end{aligned}$ | 3.15 | $\begin{aligned} & 3.3 \\ & 3.6 \end{aligned}$ |
| Men |  |  |  |  |  |  |  |
| Population 14 years of age and over(2) |  | 7,062 | 7,045 | 6,868 | 6,852 | 6,667 | 6,653 |
| Labour force | a | 5,637 | 5,444 | 5,448 | 5,349 | 5,279 | 5,179 |
| Employed | a | 5,349 | 5,158 | 5,237 | 5,113 | 5,110 | 4,988 |
| Agriculture | d | 510 | 511 | 518 | 526 | 493 | 510 |
| Non-agriculture | a | 4,839 | 4,647 | 4,719 | 4,587 | 4,617 | 4,478 |
| Unemp loyed | d | 288 | 286 | 211 | 236 | 169 | 191 |
| Not in the labour force | b | 1,425 | 1,601 | 1,420 | 1,503 | 1,388 | 1,474 |
| Participation rate (3) | a | 79.8 | 77.3 | 79.3 | 78.1 | 79.2 | 77.8 |
| Unemployment rate (4) | d | 5.1 | 5.3 | 3.9 | 4.4 | 3.2 | 3.7 |
| Women |  |  |  |  |  |  |  |
| Population 14 years of age and over(2) |  | 7,187 | 7,168 | 6,988 | 6,972 | 6,786 | 6,771 |
| Labour force | $b$ | 2,521 | 2,427 | 2,411 | 2,364 | 2,254 | 2,204 |
| Employed | b | 2,414 | 2,347 | 2,330 | 2,296 | 2,193 | 2,148 |
| Agriculture | e | 81 | 73 | 88 | 74 | 82 | 81 |
| Non-agriculture | b | 2,333 | 2,274 | 2,242 | 2,222 | 2,111 | 2,067 |
| Unemployed | e | 107 | 80 | 81 | 68 | 61 | 56 |
| Not in the labour force | a | 4,666 | 4,741 | 4,577 | 4,608 | 4,532 | 4,567 |
| Participation rate (3) | b | 35.1 | 33.9 | 34.5 | 33.9 | 33.2 | 32.6 |
| Unemployment rate (4) | e | 4.2 | 3.3 | 3.4 | 2.9 | 2.7 | 2.5 |

(1) "S.D." = Standard deviation. For explanation, see "Rellability of Estimates", page 8.
(2) Excludes inmates of institutions, members of the armed services, Indians living on reserves and residents of the Yukon and Northwest Territories.
(3) The labour force as a percentage of the population 14 years of age and over
(4) The unemployed as a percentage of the labour force.
$r$ Revised
Note: With the exception of Tables 2 and 5 , all statistics refer to a specific week, the last day ot which is indicated.

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


| Table 3 <br> Age, sex, and marital status Week ended June 22, 1968 | Total | $\begin{gathered} 14-19 \\ \text { years } \\ \text { all } \\ \text { persons } \end{gathered}$ | 20-64 years |  |  |  | 65 years and over all persons |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Men |  | Women |  |  |
|  |  |  | Married | Other | Married | Other |  |
| Population 14 years of age and over(2) | 14,249 | 2,363 | 4,020 a | 1,144 b | 4,143 a | 1,079 c | 1,500 |
| Labour force | 8,158 a | 980 c | 3,876 a | 1,005 c | 1,315 c | 763 c | 219 d |
| Bmployed | 7,763 a | 827 c | 3,771 a | 927 c | 1,290 c | 736 c | 212 d |
| Unemployed | 395 d | 153 e | 105 d | 78 e | 25 f | 27 f | 7 g |
| Not in the labour force | 6,091 a | 1,383 b | 144 d | 139 d | 2,828 b | 316 d | 1,281 a |
| Participation rate (3) - 1968, June 22 | $\begin{aligned} & 57.3 \text { a } \\ & 55.4 \end{aligned}$ | $\begin{aligned} & 41.5 \mathrm{c} \\ & 32.9 \end{aligned}$ | $\begin{aligned} & 96.4 a \\ & 95.8 \end{aligned}$ | $\begin{aligned} & 87.8 \text { a } \\ & 85.2 \end{aligned}$ | $\begin{aligned} & 31.7 \mathrm{c} \\ & 31.7 \end{aligned}$ | $\begin{aligned} & 70.7 \mathrm{~b} \\ & 70.5 \end{aligned}$ | $\begin{aligned} & 14.6 \mathrm{~d} \\ & 14.9 \end{aligned}$ |
| Unemployment rate (4) - 1968, June 22 | 4.8 d | 15.6 e | 2.7 d | 7.8 e | 1.9 f | 3.5 f | 3.2 g |
| May 18 | 4.6 | 10.2 | 3.4 | 9.5 | 2.1 | 3.8 | 3.6 |

(1)(2)(3)(4) See footzotes on opposite page.

Note: a) The alphabetic symbol following each estimate in table 3 indicates its standard deviation. For explanation, see "Reliability of Estimates", page 8.
b) Newfoundland included in estimates only from 1950.

## Canada, Employed

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


| $\frac{\text { Table } 5}{\text { Industry }}$ | $\begin{aligned} & \text { S.D. } \\ & (1) \end{aligned}$ | 1968 |  | 1967 |  | 1966 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | June 22 | $\begin{aligned} & \text { May } \\ & 18 \end{aligned}$ | June 17 | $\begin{aligned} & \text { May } \\ & 20 \end{aligned}$ | June 18 | May 21 |
| Total employed | a | 7,763 | 7,505 | 7,567 | 7,409 | 7,303 | 7,136 |
| Agriculture | d | 591 | 584 | 606 | 600 | 575 | 591 |
| Other primary industries | d | 245 | 220 | 233 | 195 | 245 | 220 |
| Manufacturing | c | 1,810 | 1,742 | 1,784 | 1,767 | 1,755 | 1,719 |
| Construction | c | 503 | 458 | 497 | 472 | 535 | 496 |
| Transportation and other utilities | c | 707 | 680 | 677 | 659 | 621 | 606 |
| Trade | c | 1,262 | I,244 | 1,216 | 1,201 | 1,177 | 1,168 |
| Finance, insurance, real estate | d | 327 | 325 | 316 | 311 | 303 | 299 |
| Community, personal, other services | c | 1,844 | 1,806 | 1,776 | 1,759 | 1,645 | 1,617 |
| Public administration | c | 474 | 446 | 462 | 445 | 447 | 420 |

Note: Since late 1962, statistics in Table 5 have been published on a 3 -month average basis. However since January 1966, it has been possible to provide monthly estimates of the employed by industry. Accordingly, beginning with the February 1968 report, the statistics in Table 5 refer to the monthly reference periods. Industry estimates on the 3 -month average basis are avallable on request from the Special Surveys Division.

| Table 6 <br> Class of worker, agriculture and non-agriculture, and sex Week ended June 22, 1968 | Total | Paid workers | Own account workers | Employers | Unpaid <br> family <br> workers |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Total employed Agriculture Non-agriculture | $\begin{array}{r} 7,763 a \\ 591 \mathrm{~d} \\ 7,172 \mathrm{a} \end{array}$ | $\begin{array}{r} 6,692 \mathrm{a} \\ 129 \mathrm{e} \\ 6,563 \mathrm{a} \end{array}$ | $\begin{aligned} & 535 c \\ & 278 d \\ & 257 d \end{aligned}$ | $\begin{array}{r} 331 \mathrm{c} \\ 47 \mathrm{f} \\ 284 \mathrm{~d} \end{array}$ | $\begin{array}{r} 205 \mathrm{~d} \\ 137 \mathrm{e} \\ 68 \mathrm{e} \end{array}$ |
| Men Agriculture Non-agriculture | $\begin{array}{r} 5,349 a \\ 510 \mathrm{~d} \\ 4,839 a \end{array}$ | $\begin{array}{r} 4,485 \mathrm{a} \\ 107 \mathrm{e} \\ 4,378 \mathrm{a} \end{array}$ | $\begin{aligned} & 466 \mathrm{c} \\ & 272 \mathrm{~d} \\ & 194 \mathrm{~d} \end{aligned}$ | $\begin{array}{r} 303 \mathrm{c} \\ 47 \mathrm{f} \\ 256 \mathrm{~d} \end{array}$ | $\begin{aligned} & 95 \mathrm{~d} \\ & 84 \mathrm{e} \\ & 11 \mathrm{f} \end{aligned}$ |
| Women <br> Agriculture Non-agriculture | $\begin{array}{r} 2,414 \mathrm{~b} \\ 81 \mathrm{e} \\ 2,333 \mathrm{~b} \end{array}$ | $\begin{array}{r} 2,207 \mathrm{~b} \\ 22 \mathrm{f} \\ 2,185 \mathrm{~b} \end{array}$ | $\begin{array}{r} 69 e \\ 6 \mathrm{e} \\ 63 \mathrm{e} \end{array}$ | $\begin{array}{r} 28 e \\ -\quad g \\ 28 \end{array}$ | $\begin{array}{r} 110 \mathrm{~d} \\ 53 \mathrm{e} \\ 57 \mathrm{e} \end{array}$ |

[^0]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.
nand
Regions, Labour Force
(Estimales in thousands)

| Table 7 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Unemployed |


| Table 8 <br> Regional distributions Week ended June 22, 1968 | Canada | Atlantic region | Quebec | Ontario | Prairie region | British Columbia |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Population 14 years of age and over Men <br> Women | $\begin{array}{r} 14,249 \\ 7,062 \\ 7,187 \end{array}$ | $\begin{array}{r} 1,333 \\ 660 \\ 673 \end{array}$ | $\begin{aligned} & 4,101 \\ & 2,023 \\ & 2,078 \end{aligned}$ | $\begin{aligned} & 5,076 \\ & 2,504 \\ & 2,572 \end{aligned}$ | $\begin{aligned} & 2,320 \\ & 1,171 \\ & 1,149 \end{aligned}$ | $\begin{array}{r} 1,419 \\ 704 \\ 715 \end{array}$ |
| Labour force Men Women | $\begin{aligned} & 8,158 a \\ & 5,637 a \\ & 2,521 \mathrm{~b} \end{aligned}$ | 665 b 473 b 192 c | $\begin{array}{r} 2,294 \mathrm{~b} \\ 1,600 \mathrm{a} \\ 694 \mathrm{c} \end{array}$ | $\begin{array}{r} 3,044 a \\ 2,069 a \\ 975 \mathrm{c} \end{array}$ | $\begin{array}{r} 1,338 \mathrm{~b} \\ 935 \mathrm{a} \\ 403 \mathrm{c} \end{array}$ | 817 b 560 b 257 d |
| Employed Men Women | $\begin{aligned} & 7,763 a \\ & 5,349 a \\ & 2,414 a \end{aligned}$ | $\begin{aligned} & 628 \mathrm{~b} \\ & 443 \mathrm{~b} \\ & 185 \mathrm{c} \end{aligned}$ | $\begin{array}{r} 2,151 \mathrm{~b} \\ 1,485 \mathrm{~b} \\ 666 \mathrm{c} \end{array}$ | $\begin{array}{r} 2,915 \text { a } \\ 1,985 \text { a } \\ 930 \mathrm{c} \end{array}$ | $\begin{array}{r} 1,302 \mathrm{~b} \\ 910 \mathrm{~b} \\ 392 \mathrm{c} \end{array}$ | 767 b 526 b 241 d |
| Agriculture <br> Non-agriculture | $\begin{array}{r} 591 \text { d } \\ 7,172 a \end{array}$ | $\begin{array}{r} 26 \mathrm{e} \\ 602 \mathrm{~b} \end{array}$ | $\begin{array}{r} 135 \mathrm{e} \\ 2,016 \mathrm{~b} \end{array}$ | $\begin{array}{r} 149 \mathrm{e} \\ 2,766 \mathrm{~b} \end{array}$ | $\begin{array}{r} 246 \mathrm{~d} \\ 1,056 \mathrm{c} \end{array}$ | $\begin{array}{r} 35 \mathrm{f} \\ 732 \mathrm{c} \end{array}$ |
| Pald workers Men Women | $\begin{aligned} & 6,692 \mathrm{a} \\ & 4,485 \mathrm{a} \\ & 2,207 \mathrm{~b} \end{aligned}$ | $\begin{aligned} & 547 \mathrm{c} \\ & 377 \mathrm{c} \\ & 170 \mathrm{c} \end{aligned}$ | $\begin{array}{r} 1,867 \mathrm{~b} \\ 1,266 \mathrm{~b} \\ 601 \mathrm{c} \end{array}$ | $\begin{array}{r} 2,606 \mathrm{~b} \\ 1,742 \mathrm{~b} \\ 864 \mathrm{c} \end{array}$ | $\begin{array}{r} 1,000 \mathrm{~b} \\ 649 \mathrm{~b} \\ 351 \mathrm{c} \end{array}$ | $\begin{aligned} & 672 \mathrm{c} \\ & 451 \mathrm{~b} \\ & 221 \mathrm{~d} \end{aligned}$ |
| Unemployed Men Women | $\begin{aligned} & 395 \mathrm{~d} \\ & 288 \mathrm{~d} \\ & 107 \mathrm{e} \end{aligned}$ | $\begin{array}{r} 37 \mathrm{e} \\ 30 \mathrm{e} \\ 7 \mathrm{f} \end{array}$ | $\begin{array}{r} 143 \mathrm{e} \\ 115 \mathrm{e} \\ 28 \mathrm{f} \end{array}$ | $\begin{array}{r} 129 \mathrm{e} \\ 84 \mathrm{e} \\ 45 \mathrm{e} \end{array}$ | 36 e 25 e 11 g | $\begin{aligned} & 50 \mathrm{e} \\ & 34 \mathrm{e} \\ & 16 \mathrm{f} \end{aligned}$ |
| Not in the labour force Men Women | $\begin{aligned} & 6,091 \mathrm{a} \\ & 1,425 \mathrm{~b} \\ & 4,666 \mathrm{a} \end{aligned}$ | 668 b 187 c 481 b | $\begin{array}{r} 1,807 \mathrm{~b} \\ 423 \mathrm{c} \\ 1,384 \mathrm{~b} \end{array}$ | $\begin{array}{r} 2,032 \mathrm{~b} \\ 435 \mathrm{c} \\ 1,597 \mathrm{~b} \end{array}$ | $\begin{aligned} & 982 \mathrm{~b} \\ & 236 \mathrm{c} \\ & 746 \mathrm{~b} \end{aligned}$ | $\begin{aligned} & 602 \mathrm{c} \\ & 144 \mathrm{c} \\ & 458 \mathrm{c} \end{aligned}$ |
| $\begin{array}{\|cclc} \text { Employed } & 1968, & \text { June } 22 \\ & 1967, & \text { Juy } 18 \\ & \text { June } 17 \\ & \text { May } 20 \\ & 1966, & \text { June } 18 \\ \text { May } 21 \end{array}$ | $\begin{aligned} & 7,763 \text { a } \\ & 7,505 \\ & 7,567 \\ & 7,409 \\ & 7,303 \\ & 7,136 \end{aligned}$ | $\begin{aligned} & 628 \mathrm{~b} \\ & 599 \\ & 620 \\ & 584 \\ & 612 \\ & 589 \end{aligned}$ | $\begin{aligned} & 2,151 \quad b \\ & 2,079 \\ & 2,132 \\ & 2,087 \\ & 2,047 \\ & 1,986 \end{aligned}$ | $\begin{aligned} & 2,915 \text { a } \\ & 2,798 \\ & 2,819 \\ & 2,750 \\ & 2,715 \\ & 2,638 \end{aligned}$ | $\begin{aligned} & 1,302 \mathrm{~b} \\ & 1,292 \\ & 1,269 \\ & 1,265 \\ & 1,249 \\ & 1,244 \end{aligned}$ | $\begin{aligned} & 767 \mathrm{~b} \\ & 737 \\ & 727 \\ & 723 \\ & 680 \\ & 679 \end{aligned}$ |
| $\begin{array}{\|ccc} \text { Unemp loyed } 1968, & \text { June } 22 \\ \text { May } 18 \\ & 1967, & \text { June } 17 \\ & \text { May } 20 \\ 1966, & \text { June } 18 \\ \text { May } 21 \\ \hline \end{array}$ | $\begin{aligned} & 395 d \\ & 366 \\ & 292 \\ & 304 \\ & 230 \\ & 247 \\ & \hline \end{aligned}$ | $\begin{aligned} & 37 \mathrm{e} \\ & 44 \\ & 30 \\ & 45 \\ & 24 \\ & 35 \\ & \hline \end{aligned}$ | $\begin{array}{r} 143 \text { e } \\ 134 \\ 103 \\ 123 \\ 85 \\ 105 \\ \hline \end{array}$ | $\begin{array}{r} 129 \text { e } \\ 104 \\ 102 \\ 74 \\ 75 \\ 57 \\ \hline \end{array}$ | $\begin{aligned} & 36 e \\ & 36 \\ & 21 \\ & 26 \\ & 15 \\ & 22 \\ & \hline \end{aligned}$ | $\begin{aligned} & 50 \mathrm{e} \\ & 48 \\ & 36 \\ & 36 \\ & 31 \\ & 28 \\ & \hline \end{aligned}$ |

(1) "S.D." = Standard deviation. For explanation, see "Reliability of Estimates", page 8.

Note: The alphabetic symbol following each estmate in table 8 indicates its standard deviation. For explanation, see "Reliability of Estimates", page 8.

## (a)

## Sampling Errar

The estimates in this report are based on sample of households. Somewhat different figures might have been obtained if a complete census had been taken using the same questionnaires, enumerators, supervisors, processing, etc. as those actusily used in the Labour Force Survey. This difference is called the sampling error of the estimates. In the design and processing of the Labour Force Survey extensive efforts have been made to minimize the sampling error. The sampling error (expressed as a per cent of the estimate it refers tol is not the same for all estimates; of two eatimates the larger one will likely have a smaller per cent sampling error and of two estimates of the same size the one referring to a characteristic more evenly distributed across the country will tend to have a smaller per cent sampling variability. Also, estimates relating to age and sex are usually more reliable than other estimates of comparable size.

## (b) Non-sampling Etrors

Errors, which are not related to sampling, may occur at almost every phase of a survey operation. Unumerators asy misunderstand instructions, respondents may make errors in answering questions, the answers may be incorrectly entered on the questionalres and errors may be introduced in the processing and tabulations of the data. All these errors are called non-sampling errors. Some of the non-sampling errors will usually balance out over a large number of observations but systematically occuring errors will contribute to biases. Non-sampling errors can be reduced by a careful design of questionnaires, intensive training and supervision of enumerators and a thorough control of the processing operation. In general, the more personal and more subjective inquities are subject to larger errors. Also, data referring to persons with less stable labour force status will have relatively large non-sampling errors.

## (c) Alphabetic Indicators of Standard Deviation

The sampling error, as described under (a) is not known. A quantity, called the standard deviation, can however be estimated from sample data itself. The standard deviation of an estimate is a statistical measure of its sampling error. It also partially measures the effect on non-sampling errors, but does not reflect any systematic blases in the data. The chances are about 68 out of 100 that the difference between a sample estimate and the corresponding census figure would be less than the standard deviation. The chances are about 95 out of 100 that the difference would be less than twice the standard deviation and about 99 out of 100 that it would be less than $21 / 2$ times as large.

The standard deviations of the estimates, expressed as a per cent of the estimates, are indicated by letters. The letter "s" indicates that the standard deviation 18 smaller
than $0.5 \%$ of the estimate, the letter "b" indicates that the standard deviation 18 between $0.6 \%$ and $1,0 \%$ of the estinate and so on as show in the table below.

Alphabetic designation of per cent atandard deviations

| Alphabetic indicator | Per cent standard deviation |
| :---: | ---: |
| a | $0.0 \%-0.5 \%$ |
| b | $0.6 \%-1.0 \%$ |
| c | $1.1 \%-2.5 \%$ |
| d | $2.6 \%-5.0 \%$ |
| e | $5.1 \%-10.0 \%$ |
| f | $10.1 \%-15.0 \%$ |
| g | $15.1 \%$ |

The actusl standard deviation of an estimate is not the same each month. Since the standard deviations of the current estimates are not avallable at the time when this report is published, the alphabetic indicators are based on the average standard deviations during the last year. They should, therefore, be interpreted only as indications of the order of magnitude of the standard deviations.

## (d) Standard Deviation of Month-to-Month Changes

A rough upper limit for the standard deviation of the difference (change) between two estimatea referring to two months up to a year apart may also be indicated using the table above. For most characteristics published in this re port the standard deviation of the difference between two estimates is likely to be somewhat amaller than the standard deviation of the smallet of the two estimates or in the immediately preceding range.

For example, suppose that a hypothetical estimate in May and June was 513,000 and 625,000 respectively and the per cent standard deviation of both estimates was indicated by the letter "c", 1.e. it was between $1.1 \%$ and $2.5 \%$. The difference between the May and Junc estimates ( 112,000 ) would, therefoke, have a standard deviation which would likely be smaller than $2.5 \%$ of 513,000 , 1.e. it would tikely be smaller than 12,800 .
(e) Current Eatimates of Standard Deviations

Standard deviations are computed monthly for several estimates and month-to-month changes. These are avallable usually in a few weeks after the publication of this report and can be obtained on request. Beginning with 1966, an annual report on the standerd deviations during the last year w1Il be released.

## Labour Force Participation - 1967 Annual Averages (continued from page 2)

|  | and Marital Status 1967 Annual Averages |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Total | Single | Married | Other |
| Both Sexes | 55.5 | 54.4 | 58.5 | 32.4 |
| Men | 77.5 | 58.4 | 88.4 | 44.1 |
| Women | 33.8 | 49.6 | 28.3 | 28.9 |

For both men and women labour force participation rates in 1967 remained highest in Ontario. In Quebec, the Prairies and British Columbia, the rates were slightly above or below the national average. In the Atlantis region they were substantially lower.

## Participation Rates by Sex and Region 1967 Annual Averages

|  | Both Sexes |  | Men |  |
| :---: | :---: | :---: | :---: | :---: |
| Canada |  |  | Women |  |
| Atlantic | 55.5 |  | 77.5 |  |
| Quebec | 48.5 |  | 69.3 | 33.8 |
| Ontario | 54.9 |  | 77.8 | 27.8 |
| Prairles | 57.6 |  | 79.4 | 32.5 |
| B. C. | 55.8 |  | 77.4 | 36.3 |
|  | 55.8 |  | 77.4 | 33.7 |
|  |  | 54.5 |  |  |


[^0]:    (1) "S.D." = Standard deviation. For explanation, see "Reliability of Estimates", page 8.
    (2) Economic reasons for not working 35 hours or more include short time, layoff for part of the week and termination or start of employment during the week.
    (3) Other reasons for not working 35 hours or more include illness, bad weather, industrial dispucse vacation, and reasons such as a statutory holiday in the week.
    Note: The alphabetic symbol following each estimate in table 6 indicates its standard deviation. For explanation, see "Reliability of Estimates", page 8.

