# **Canada's unemployment mosaic in the 1990s**

Dave Gower

O ne of the most serious structural problems affecting the Canadian labour market is regional inequality. The traditional picture has been one of high unemployment in such areas as the Atlantic provinces, combined with much lower rates elsewhere.

This picture was especially evident in the late 1980s. After several years of economic growth, the economies of Toronto and nearby areas were experiencing tight labour markets, as evidenced by low unemployment rates and a proliferation of "help-wanted" signs. At the same time, double-digit unemployment rates remained in such areas as the Gaspé and rural Newfoundland (Gower, 1989).

Since then, Canada has gone through a recession and a slow recovery. This has affected regional unemployment rates to various degrees, and created a pattern that differs in many ways from that of the late 1980s (see *Definitions*).

# Entering the recession: patterns differed

For the country as a whole, 1989 marked the lowest unemployment rates before the onset of the recession of the early 1990s. However, in some areas unemployment had begun to rise between 1988 and 1989.

For example, the unemployment rate in Toronto rose from 3.7% in 1988 to 4.0% in 1989. Moreover, four areas had unemployment rate increases of one percentage point or more: Prince Edward Island (12.9% to 14.0%), Sherbrooke (7.1% to 9.2%), Ottawa-Hull (5.1% to 6.1%)

#### Definitions

As a rule, provinces are used to analyze regional differences. In this paper, however, census metropolitan areas (CMAs) are the main unit of measurement. The Labour Force Survey (LFS) defines a CMA as the "main labour market area of an urbanized core (or continuously built-up area) having at least 100,000 habitants." In the LFS files, CMA benchmark estimates (derived from the Census of Population) were tabulated back to 1987. As a result, the series contained in this paper can be tabulated only as far back as that year. The CMAs are then subtracted from the provinces, to produce provincial residuals consisting of smaller urban and rural areas.

and Regina (6.9% to 7.9%). The downturn leading to the recession was not reflected at the same time or with equal intensity in all regional unemployment rates (Table 1).

As the recession deepened through 1991 and 1992, the Canadian unemployment rate rose to reach 11.3%, almost 4 points higher than it had been in 1989 (7.5%). However, the effect on unemployment was not evenly spread.

The Atlantic area, which had higher rates to begin with, had a slower rate of growth in unemployment (12.2% to 14.9%, or 2.7 points). The Quebec increase between 1989 and 1992 was close to the national average (9.3% to 12.8%, or 3.5 points). A much more dramatic rise was seen in Ontario, which jumped nearly 6 percentage points, from 5.1% to 10.9%.

In contrast, western unemployment rate increases were less than 2 points (7.4% to 9.3% in the Prairies, 9.1% to 10.5% in British Columbia). Obviously, these provincial residuals contain many local variations in labour market conditions. Such detail is outside the scope of this article; readers who wish to see data on smaller areas can consult Statistics Canada's *Labour Force Annual Averages*.

The employment figures and unemployment rates used in this article are LFS annual averages. The LFS measures employment and unemployment by place of residence rather than by place of work. So, for example, the employment figure associated with a region refers to the number of residents of that region who are employed, not to the number of persons who work within the region.

The more detailed regions show even greater variation. Toronto and Oshawa jumped well over 7 points between 1989 and 1992. In contrast, Saint John showed little effect from the recession (from 10.7% in 1989 to 11.4% in 1992). Perhaps more remarkable, unemployment rates remained stable or actually dropped in some western localities, such as non-metropolitan Manitoba, Regina, and Victoria. Furthermore, in most other western regions the increase was relatively small.

Unemployment is the end product of a complex combination of supply and demand factors, but a key explanation for the stability of western unemployment rates can be found in employment trends. The number of jobs held up well in the West, particularly in Alberta and British Columbia. For example, Vancouver employment increased more than 50,000 between 1989 and 1992, while in Toronto it declined by over 140,000 (Appendix Table 1).

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#### The big story now: Toronto and environs staying cool

The economic pressures in the Toronto area vanished dramatically with the onset of the recession in 1990. As of the end of 1995, there was no sign of their returning. The Toronto CMA itself, with an annual average unemployment rate of 8.5%, was far from resuming its status of "hotspot" enjoyed seven years earlier. However, its unemployment rate had improved substantially from 11.4% three years earlier.

Other CMAs in southern Ontario were also showing moderate though not spectacular improvement in their unemployment picture. Only Hamilton could boast a rate below 7%. In the Atlantic and Quebec regions, unemployment rates remained well into the double digits, with the sole exception of Halifax.

The lowest 1995 unemployment rates were to be found in the West, specifically in the non-metropolitan areas of the Prairies. Even these rates, however, were near 6%, well above the rates seen around Toronto in the late 1980s.

#### Table 1

#### Unemployment rate by region

	1987	1988	1989	1990	1991	1992	1993	1994	1995
					%				
Canada	8.9	7.8	7.5	8.1	10.4	11.3	11.2	10.4	9.5
Atlantic	13.9	12.3	12.2	12.7	14.0	14.9	15.4	14.8	13.4
St. John's	12.5	11.2	10.8	11.9	13.3	15.6	14.1	14.1	12.6
Prince Edward Island	20.8	19.2 12.9	18.2 14.0	19.8 14.9	21.2	22.8	23.7	24.3 17 1	21.9 14.7
Halifax	9.0	7.9	6.9	7.9	9.1	10.0	11.2	9.4	8.9
Non-CMA Nova Scotia	14.6	11.8	11.9	12.4	14.1	15.3	17.1	16.1	14.4
Saint John Non-CMA New Brunswick	13.0 13.2	11.2 12.2	10.7 12.8	9.6 12.6	11.8 13.0	11.4 13.2	10.5 13.1	12.2 12.5	10.3 11.8
Ouches	10.2	0.4	0.0	40.0	40.0	40.0	40.0	40.0	44.0
Quebec	10.3	<b>9.4</b>	9.3	10.2	12.0	12.8	13.2	12.2	11.3 15.2
Québec	9.1	8.5	9.5 6.9	7.6	9.5	14.1	11.2	14.3	10.3
Trois-Rivières	10.8	10.3	9.4	9.4	11.4	15.0	13.3	13.0	11.2
Sherbrooke	10.6	7.1	9.2	8.9	13.2	13.5	11.7	9.3 12.5	11.1
Non-CMA Quebec	11.2	10.2	10.4	11.3	12.5	12.7	13.3	12.3	11.5
Ottawa-Hull *	7.5	5.1	6.1	5.9	7.3	8.8	8.4	8.2	9.8
Ontario	6.1	5.0	5.1	6.3	9.6	10.9	10.6	9.6	8.7
Sudbury	11.6	9.8	8.0	8.2	10.2	11.9	10.3	10.6	9.1
Oshawa	6.2	5.5	4.1	6.8	9.7	11.9	11.4	9.8	8.7
l oronto Hamilton	4.5 6.4	3.7	4.0 5.2	5.3	9.7 10.0	11.4 10.7	11.0 11.4	10.3 8.2	8.5 6.6
St. Catharines-Niagara	9.4	6.4	7.2	7.4	11.4	12.5	13.9	10.4	9.1
London	7.1	4.7	4.3	6.0	8.0	8.8	8.7	7.7	8.0
Windsor Kitchener-Waterloo	9.1 5.8	1.1 5.2	8.2 5.0	9.0 6.5	12.5 q_4	12.9	11.5 8 0	9.1 6.6	8.5 7 9
Thunder Bay	8.2	6.1	5.6	7.9	9.5	10.0	11.4	11.0	8.1
Non-CMA Ontario	7.1	6.2	6.0	7.5	10.0	10.8	10.5	9.9	9.4
Prairies	8.7	7.9	7.4	7.1	8.2	9.3	9.3	8.4	7.6
Winnipeg	7.9	8.3	7.9	7.9	10.1	11.3	10.9	10.9	8.2
Regina	6.5 6.9	6.9	7.0	6.2	6.7 6.5	6.7 7 9	6.4 8 3	6.0 7.2	6.0 7 4
Saskatoon	9.7	9.4	9.2	9.0	10.6	11.0	9.8	9.1	8.2
Non-CMA Saskatchewan	6.6	6.9	6.6	6.3	6.2	7.2	7.2	6.1	6.1
Calgary Edmonton	9.1 11 1	7.9 9.1	7.0 8.4	7.0 7.8	8.7 9.4	10.0	10.4 11.2	9.2 10.4	8.1 8.9
Non-CMA Alberta	8.9	7.4	6.5	6.4	6.9	7.9	7.7	6.4	6.5
British Columbia	12.0	10.3	9.1	8.4	10.0	10.5	9.7	9.4	9.0
Vancouver	11.5	9.4	7.4	<u>7.1</u>	8.4	9.3	9.3	9.0	8.3
Victoria	10.9	10.2	8.9 11 /	7.7 10.1	8.2	8.3 12.6	8.6 10.5	7.6 10.3	9.2
	12.3	11.5	11.4	10.1	12.0	12.0	10.5	10.5	3.1

Source: Labour Force Survey

Because the Ottawa-Hull CMA includes portions in both Ontario and Quebec, it is listed separately from these provinces. Each provincial total includes the relevant portion of the CMA.

### Ranks help tell the story

One way to demonstrate how the distribution of unemployment rates has shifted is to use ranks, starting with number 1 for the region with the lowest unemployment rate (Table 2). To simplify the examination this section concentrates on three years: 1989, just prior to the last recession, 1992, the year with the highest national unemployment rate,<sup>1</sup> and 1995, the most recent data available.

Toronto dropped from first to nineteenth spot as the recession deepened, but improved by 5 places by 1995. Oshawa, undoubtedly following the fortunes of the auto industry, plunged from second to twenty-first place between 1989 and 1992, and then regained 6 of those rank positions. Non-metropolitan Ontario, which was in seventh spot in 1989, dropped to fourteenth by 1992 and slipped further to twenty-first position in 1995.

West of Ontario, many areas improved their relative position dramatically between 1989 and 1992. Many maintained these favourable positions into 1995.

Perhaps the most dramatic roller-coaster ride was experienced by Victoria, which soared 17 rank positions from twenty-second to fifth spot by 1992, and then dropped 15 positions by 1995 (Table 3).

Ottawa-Hull ranked eighth in unemployment rate in 1989, and kept this approximate position through 1992. Between 1992 and 1995, however, it fell sharply to twenty-third spot, reflecting public sector cut-backs.

In Quebec and the Atlantic regions, rank shifts were generally less dramatic. Most of these areas had relatively high unemployment before the recession, and followed the overall trends during the next six years. There were exceptions,

Table 2 Regions ranked * by unemployment rate							
				Loss o in pos	Loss or gain in position **		
	1989	1992	1995	1989 to 1992	1992 to 1995		
St. John's Non-CMA Newfoundland Prince Edward Island Halifax Non-CMA Nova Scotia Saint John Non-CMA New Brunswick	30 35 34 11 32 29 33	33 35 34 10 32 20 27	31 35 33 16 32 24 30	-3 - 1 - 9 6	2 - 1 -6 -4 -3		
Chicoutimi-Jonquière Québec CMA Trois-Rivières Sherbrooke Montréal Non-CMA Quebec	27 12 26 24 25 28	30 18 31 29 28 25	34 25 27 26 28 29	-3 -6 -5 -5 -3 3	-4 -7 4 3 -4		
Ottawa-Hull Sudbury Oshawa Toronto Hamilton St. Catharines-Niagara London Windsor Kitchener-Waterloo Thunder Bay Non-CMA Ontario	8 19 2 1 5 15 3 20 4 6 7	6 22 21 19 13 23 7 26 9 12 14	23 18 15 14 4 19 7 13 6 8 21	2 -3 -19 -18 -8 -4 -6 -5 -6 -7	-17 4 6 9 9 4 - 13 3 4 -7		
Winnipeg Non-CMA Manitoba Regina Saskatoon Non-CMA Saskatchewan Calgary Edmonton Non-CMA Alberta	18 13 17 23 10 14 21 9	17 1 3 16 2 11 15 4	10 1 5 11 2 9 17 3	1 12 14 7 8 3 6 5	7 -2 5 - 2 -2 1		
Vancouver Victoria Non-CMA British Columbia	16 22 31	8 5 24	12 20 22	8 17 7	-4 -15 2		

Source: Labour Force Survey

Note: Small changes in rank can be caused by differences in the unemployment rate that are below acceptable levels of reliability. Rank variations of less than 5 should be treated with caution.

Rank 1 corresponds to the lowest unemployment rate each year.

\* A negative number indicates a worsening of relative position, that is, the rank has increased.

however. Québec CMA dropped 6 ranks from 1989 to 1992, and a further 7 in the following three years, moving from twelfth to twenty-fifth place over the six years. Halifax slid from tenth to sixteenth place between 1992 and 1995 (see *Dispersion increases with prosperity*).

#### Life in the big city...

So far the discussion has focused on the various regions of the country. But how about metropolitan areas as a whole? How does their unemployment picture compare with the rest of the country?

#### Dispersion increases with prosperity

As already noted, areas with the lowest unemployment rates in the late 1980s also had the greatest increases in the following three years, suggesting that unemployment distribution is closely tied to the state of the economy. In good times, unemployment is distributed much less evenly.

The evenness or inequality of the distribution of unemployment can be measured in many different ways. For

unemployment rate.

this study, the average difference of regional unemployment rates from the Canada figure was used to represent dispersion of unemployment.

In this paper, dispersion is calculated as a weighted mean of the differences between the regional and national unemployment rates. Specifically, the absolute difference between each regional rate and the national rate is multiplied by the regional labour force.

% dispersion 32 ■ 1988 ■ 1989 28 1987 1990 24 20 1991 16 1995 1994 **1993** 1992 12 8 9 10 11 12 National unemployment rate (%) Source: Labour Force Survey

Unemployment dispersion varies inversely with the national

Over the period studied, unemployment rates were lower in metropolitan areas than elsewhere (Chart). But they were also more variable, being much lower in good times and rising somewhat faster as the economy deteriorated. One explanation may be the industry mix (for example, agriculture may not suffer from cyclical fluctuations in demand as much as manufacturing).

Differences between metropolitan areas and the surrounding territories vary across the country. In Newfoundland in 1994 and 1995, St. John's experienced unemployment rates around 10 percentage points lower than the remainder of the province (Appendix Table 2), a contrast undoubtedly affected by the decline of fishing. In Nova Scotia, the Halifax rate varied between 5 and 7 points below that for the rest of the province.

In New Brunswick, Quebec, Ontario and British Columbia, metropolitan area unemployment rates These products are summed, and the total is divided by the national labour force, to produce aggregate dispersion. Finally, the dispersion is divided by the national unemployment rate to produce percent dispersion.

In equation form, the percent dispersion is calculated as:

$$\frac{(\sum |\text{Ur-Uc}| \times \text{LFr})/\text{LFc}}{\text{Uc}}$$

where

Ur = unemployment rate in region r Uc = national unemployment rate LFr = labour force in region r LFc = national labour force

During the late 1980s, when unemployment was quite low in some areas, the dispersion of unemployment was high, approaching 30% in 1988 and 1989. This reflected the fact that areas such as non-metropolitan Newfoundland did not participate in the prosperity.

Since the former hotspots in southern Ontario suffered disproportionately from the recession, unemployment became more evenly distributed, with dispersion dropping to around 14% in 1992. By 1995, the national unemployment rate was down to 9.5% and unemployment dispersion was back up to approximately 16%. Both movements are modest compared with those of the late 1980s, however.

were typically less than 2 percentage points below non-metropolitan rates. However, in all three Prairie provinces, the opposite was true: metropolitan areas had higher unemployment rates. This was particularly noticeable in Manitoba, where Winnipeg has been as much as 5 percentage points higher than the remainder of the province. This gap was widest between 1991 and 1994; before then the difference was closer to one percentage point.

198	1992 to 1995		
Improved position			
Victoria Regina Non-CMA Manitoba Saint John Non-CMA Saskatchewan Vancouver	17 14 12 9 8 8	Windsor Hamilton Winnipeg Oshawa Toronto Saskatoon	13 9 7 6 5 5
Lost position			
Oshawa Toronto Hamilton St. Catharines-Niagara Non-CMA Ontario	-19 -18 -8 -8 -7	Ottawa-Hull Victoria Québec CMA Non-CMA Ontario Halifax	-17 -15 -7 -7 -6

**Summary** 

included in the list.

The national unemployment rate is a mosaic of many pieces. Some areas of the country, for example, demonstrate stability, but other regions are much more variable. Metropolitan areas in general tend to show wider fluctuations, though their unemployment rates are usually lower.

These differences have important consequences for the country. As the economy improves, certain regions tend to develop shortages of particular kinds of workers. At the same time, unemployment remains stubbornly high in other areas.

Although unemployment rates have fallen in most regions, these declines have been mostly moderate, so unemployment dispersion has risen only slightly. The lowest unemployment rates remain well above those of 1988 and 1989, and the location of the tightest labour markets has shifted from southern Ontario to the West. Chart



### ■ Note

1 The trough of the recession, as measured by monthly unemployment rates, occurred in April 1992. Annual average data such as those used here do not show the full detail of the trends over time.

## ■ References

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#### Appendix Table 1 Employment trends by region

1989         1992         1985         1989 to 1992         1992 to 1995           000           Canada         13,066         12,842         13,506         -244         664           All CMAs combined         8,543         8,336         8,754         -207         418           All CMAs combined         8,543         4,506         4,752         -37         246           Atlantic         941         921         954         -19         32           St. John's         74         74         82         -         8           Non-CMA Newfoundland         132         119         115         -12         -4           Prince Edward Island         55         54         99         -3         -5           Nan-CMA New Scotia         224         215         218         -9         3           Nan-CMA New Brunswick         240         243         254         3         -12         -4           Outbec         3,157         3,067         3,204         -90         137           Chicoturini-Jonquière         64         62         62         -2         -           Outbec         3,157         1,493					Change		
'000           Canada         13,086         12,842         13,506         -244         664           All CMAs combined         8,543         8,336         8,754         -207         418           All non-CMA regions combined         4,543         4,506         4,752         -37         246           Atlantic         941         921         954         -19         32           St. John's         74         74         82         -         8           Non-CMA Newfoundland         132         119         115         -12         -4           Prince Edward Island         55         54         59         -         5           Saint John         56         59         59         3         -           Non-CMA New Brunswick         240         243         254         3         12           Quebec         3177         3,067         3,204         -90         13           Chicoutimi-Jonquière         64         62         62         -2         -           Québec         304         310         316         6         6           Ontario         5,241         5,001         5,231         -240 <td< th=""><th></th><th>1989</th><th>1992</th><th>1995</th><th>1989 to 1992</th><th>1992 to 1995</th></td<>		1989	1992	1995	1989 to 1992	1992 to 1995	
Canada         13,066         12,842         13,506         -244         6644           All CMAs combined         8,543         8,336         8,754         -207         418           All non-CMA regions combined         4,543         4,536         4,752         -37         246           Atlantic         941         921         954         -19         922         -         8           Non-CMA Newfoundland         132         119         115         -12         -4         -4           Prince Edward Island         55         554         59         -3         -3         -3           Saint John         564         59         59         3         -3         -3         -3           Non-CMA New Brunswick         240         243         254         -3         -12         -4           Outbace         3,157         3,067         3,204         -90         137         -0         -12         -2         -4           Outbace         3,157         1,493         1,564         -6         -6         -2         -2         -2         -2         -2         -2         -2         -2         -2         -2         -2         -2				'000			
All CMA scombined       8.543       8.336       8.754       -207       418         All non-CMA regions combined       4.543       8.336       8.754       -207       236         Atlantic       941       921       954       -19       32         St. John's       74       74       82       -       8         Non-CMA Newfoundland       132       119       115       -12       -4         Hallfax       160       156       216       216       -4       100         Non-CMA Nova Scotia       2224       215       218       -9       33         Saint John       56       59       59       -3       327         Ouebec       3,157       3,067       3,204       -90       137         Chicoutimi-Jonquière       64       62       62       2       -2       -2         Ouébec       341       1,557       1,493       1,544       -64       65         Sherbrooke       68       61       66       64       65       64       65       64         Non-CMA Quebec       987       960       1,253       1,493       1,544       240       231         <	Canada	13,086	12,842	13,506	-244	664	
Atlantic         941         921         954         -19         32           St. John's         74         74         74         82         -         8           Non-CMA Newfoundland         132         119         115         -12         -4           Prince Edward Island         55         54         59         59         -3         -5           Non-CMA Neva Scotia         224         215         218         -9         33         -12           Saint John         56         59         59         33         -12         -3         -12           Quebec         3,157         3,067         3,204         -90         137         -7           Quebec         304         310         316         6	All CMAs combined All non-CMA regions combined	8,543 4,543	8,336 4,506	8,754 4,752	-207 -37	418 246	
St. John's       74       74       82       -       68         Non-CMA Newfoundland       132       119       115       -12       -44         Prince Edward Island       55       54       59       -       55         Halifax       160       156       166       -4       100         Non-CMA Nova Scotia       224       215       218       -9       33       -         Non-CMA New Brunswick       240       243       254       3       12         Quebec       3,157       3,067       3,204       -90       137         Chicoutimi-Jonquière       64       62       62       -2       -         Québec       304       310       316       6       6         Toris-Rivières       62       58       63       -4       51         Non-CMA Quebec       987       960       1,025       -26       64         Ottawa-Hull       493       498       510       5       12       0         Ontrio       5,241       5,001       5,231       -240       231       344       102         Sudbury       71       66       78       -1       9	Atlantic	941	921	954	-19	32	
Halifax         160         156         166         -4         100           Non-CMA Nova Scotia         224         215         218         -9         3           Saint John         56         59         59         3         -2           Quebec         3,157         3,067         3,204         -90         137           Okicoutimi-Jonquière         64         62         62         -2         -2           Québec         304         310         316         6         6           Tois-Rivières         62         58         63         -4         5           Shetbrooke         68         61         66         -6         4           Montréal         1,557         1,493         1,544         -64         51           Non-CMA Quebec         987         960         1,025         -26         64           Ottawa-Hull         493         498         510         5         12           Ontario         2,165         2,021         2,123         -144         102           Hamilton         323         285         312         -28         16           Sotoury         71         69	St. John's Non-CMA Newfoundland Prince Edward Island	74 132 55	74 119 54	82 115 59	- -12 -	8 -4 5	
Non-CMA New Brunswick         124         135         59         3         -           Non-CMA New Brunswick         240         243         254         3         12           Quebec         3,157         3,067         3,204         -90         137           Chicoutimi-Jonquière         64         62         62         -2         -           Québec         304         310         316         6         6           Trois-Rivières         62         58         63         -4         5           Sherbrooke         68         61         66         -6         4           Montréal         1,557         1,493         1,544         -64         51           Non-CMA Quebec         987         960         1,025         -26         64           Ottawa-Hull         493         498         510         5         12           Ontario         2,165         2,021         2,133         -149         9           Sudbury         71         69         78         -1         9           Toronto         2,165         2,021         2,123         144         102           Stodbury         71	Halifax Non-CMA Nova Scotia	160 224	156 215	166 218	-4	10 3	
Non-CMA New Brunswick         240         243         224         3         12           Quebec         3,157         3,067         3,204         -90         137           Chicoutimi-Jonquière         64         62         62         -2         -           Québec         304         310         316         6         6           Tois-Rivières         62         58         63         -4         5           Sherbrooke         68         61         66         -6         4           Montréal         1,557         1,433         1,544         -64         51           Non-CMA Quebec         987         960         1,025         -26         64           Ottawa-Hull         493         498         510         5         12           Ontario         5,241         5,001         5,231         -240         231           Sudbury         71         69         78         -1         99           Ontario         2,165         2,021         2,123         -144         102           St-dathrines-Niagara         152         153         159         1         66           Ondon         198	Saint John	56	59	59	-9	-	
Quebec         3,157         3,067         3,204         -90         137           Chicoutimi-Jonquière         64         62         62         -2         -           Québec         304         310         316         6         6           Québec         304         310         316         6         6           Tois-Rivières         62         58         63         -4         5           Shebrooke         68         61         66         -6         4           Montréal         1,557         1,493         1,544         -64         51           Non-CMA Quebec         987         960         1,025         -26         64           Ottawa-Hull         493         498         510         5         12           Ontario         5,241         5,001         5,231         -240         231           Sudbury         71         69         78         -1         9           Ortario         2,165         2,021         2,123         -144         102           Hamilton         323         295         312         -28         16           London         198         198 <td< td=""><td>Non-CMA New Brunswick</td><td>240</td><td>243</td><td>254</td><td>3</td><td>12</td></td<>	Non-CMA New Brunswick	240	243	254	3	12	
Chicoutimi-Jonquière         64         62         62         -2            Québec         304         310         316         6         6           Québec         304         310         316         6         6           Tois-Rivières         62         58         63         -4         55           Shetbrooke         68         61         66         -6         4           Montréal         1,557         1,493         1,544         -64         51           Non-CMA Quebec         987         960         1,025         -26         64           Ottawa-Hull         493         498         510         5         12           Ontario         5,241         5,001         5,231         -240         231           Sudbury         71         69         78         -1         99           Ortario         2,165         2,021         2,123         -144         102           Hamilton         323         295         312         -28         16           St-Catharines-Niagara         152         153         159         1         6           London         198         198	Quebec	3,157	3,067	3,204	- 90	137	
Québec         304         310         316         6         6           Trois-Rivières         62         58         63         -4         5           Sherbrooke         68         61         66         -6         4           Montréal         1,557         1,493         1,544         -64         51           Non-CMA Quebec         987         960         1,025         -26         64           Ottawa-Hull         493         498         510         5         12           Ontario <b>5,241 5,001 5,231</b> -240         231           Sudbury         71         69         78         -1         9           Oshawa         126         119         128         -8         9           Toronto         2,165         2,021         2,123         -144         102           Hamilton         323         295         312         -228         16           St-Catharines-Niagara         152         153         159         1         6           London         198         198         208         -         10           Non-CMA Ontario         1,437         1,397	Chicoutimi-Jonquière	64	62	62	-2	-	
Irols-Riviefes       62       58       63      4       5         Sherbrooke       68       61       66       -6       4         Montréal       1,557       1,493       1,544       -64       51         Non-CMA Quebec       987       960       1,025       -26       64         Ottawa-Hull       493       498       510       5       12         Ontario       5,241       5,001       5,231       -240       231         Sudbury       71       69       78       -1       9         Oshawa       126       119       128       -8       9         Toronto       2,165       2,021       2,123       -144       102         Hamilton       323       295       312       -28       16         St-Catharines-Niagara       152       153       159       1       6         London       198       198       208       -       10         Windsor       132       119       127       -13       8         Non-CMA Ontario       1,437       1,397       1,448       -40       51         Prairies       2,224       2,233	Québec	304	310	316	6	6	
She for the design of	I rois-Rivières	62	58	63	-4	5	
Non-CMA Quebec         987         960         1,025         -26         64           Ottawa-Hull         493         498         510         5         12           Ontario         5,241         5,001         5,231         -240         231           Sudbury         71         69         78         -1         9           Oshawa         126         119         128         -8         9           Toronto         2,165         2,021         2,123         -144         102           Hamilton         323         295         312         -28         16           St-Catharines-Niagara         152         153         159         1         6           London         198         198         208         -         10           Windsor         132         119         127         -13         8           Kitchener-Waterloo         197         194         205         -3         10           Thunder Bay         62         59         64         -3         55           Non-CMA Ontario         1,437         1,397         1,448         -40         51           Prairies         2,224 <t></t>	Montréal	00 1 557	1 /03	1 544	-0 -64	4 51	
Ottawa-Hull         493         498         510         5         12           Ontario         5,241         5,001         5,231         -240         231           Sudbury         71         669         78         -1         99           Oshawa         126         119         128         -8         99           Toronto         2,165         2,021         2,123         -144         102           Hamilton         323         295         312         -28         16           St-Catharines-Niagara         152         153         159         1         6           London         198         198         208         -         10           Windsor         132         119         127         -13         8           Kitchener-Waterloo         197         194         205         -3         10           Thunder Bay         62         59         64         -3         51           Praires         2,224         2,233         2,355         9         121           Winnipeg         336         321         344         -14         23           Non-CMA Manitoba         177         177 <td>Non-CMA Quebec</td> <td>987</td> <td>960</td> <td>1,025</td> <td>-26</td> <td>64</td>	Non-CMA Quebec	987	960	1,025	-26	64	
Ontario         5,241         5,001         5,231         -240         231           Sudbury         71         69         78         -1         9           Oshawa         126         119         128         -8         9           Toronto         2,165         2,021         2,123         -144         102           Hamilton         323         295         312         -28         16           St-Catharines-Niagara         152         153         159         1         6           London         198         198         208         -         10           Windsor         132         119         127         -13         8           Kitchener-Waterloo         197         194         205         -3         10           Thunder Bay         62         59         64         -3         55           Non-CMA Ontario         1,437         1,397         1,448         -40         51           Prairies         2,224         2,233         2,355         9         121           Winnipeg         336         321         344         -14         23           Saskatoon         102         100<	Ottawa-Hull	493	498	510	5	12	
Sudbury         71         69         78         -1         9           Oshawa         126         119         128        8         9           Toronto         2,165         2,021         2,123         -144         102           Hamilton         323         295         312         -28         16           St-Catharines-Niagara         152         153         159         1         6           London         198         198         208         -         10           Windsor         132         119         127         -13         8           Kitchener-Waterloo         197         194         205         -3         10           Thunder Bay         62         59         64         -3         5           Non-CMA Ontario         1,437         1,397         1,448         -40         51           Prairies         2,224         2,233         2,355         9         121           Winnipeg         336         321         344         -14         23           Non-CMA Manitoba         177         177         178         -         1           Regian         96         97	Ontario	5,241	5,001	5,231	-240	231	
Oshawa         126         119         128        8         99           Toronto         2,165         2,021         2,123         -144         102           Hamilton         323         295         312         -28         16           St-Catharines-Niagara         152         153         159         1         6           London         198         198         208         -         10           Windsor         132         119         127         -13         8           Kitchener-Waterloo         197         194         205         -3         10           Thunder Bay         62         59         64         -3         55           Non-CMA Ontario         1,437         1,397         1,448         -40         51           Prairies         2,224         2,233         2,355         9         121           Winnipeg         336         321         344         -14         23           Non-CMA Manitoba         177         177         178         -         1           Regina         96         97         99         1         2           Sakatoon         102         100 <td>Sudbury</td> <td>71</td> <td>69</td> <td>78</td> <td>-1</td> <td>9</td>	Sudbury	71	69	78	-1	9	
Ioronto       2,165       2,021       2,123       -144       102         Hamilton       323       295       312       -28       16         London       198       198       208       -       10         Windsor       132       119       127       -13       8         Kitchhener-Waterloo       197       194       205       -3       10         Thunder Bay       62       59       64       -3       5         Non-CMA Ontario       1,437       1,397       1,448       -40       51         Prairies       2,224       2,233       2,355       9       121         Winnipeg       336       321       344       -14       23         Non-CMA Manitoba       177       177       178       -       1         Regina       96       97       99       1       2         Saskatoon       102       100       106       -2       6         Non-CMA Saskatchewan       259       253       255       -6       2         Calgary       391       394       427       3       33         Edmonton       417       429       453 </td <td>Oshawa</td> <td>126</td> <td>119</td> <td>128</td> <td>-8</td> <td>9</td>	Oshawa	126	119	128	-8	9	
Harmitton       323       295       312       -28       16         St-Catharines-Niagara       152       153       159       1       60         London       198       198       208       -       10         Windsor       132       119       127       -13       88         Kitchener-Waterloo       197       194       205       -3       10         Thunder Bay       62       59       64       -3       55         Non-CMA Ontario       1,437       1,397       1,448       -40       51         Prairies       2,224       2,233       2,355       9       121         Winnipeg       336       321       344       -14       23         Non-CMA Manitoba       177       177       178       -       1         Regina       96       97       99       1       2         Saskatoon       102       100       106       -2       6         Calgary       391       394       427       3       333         Edmonton       417       429       453       12       25         Non-CMA Alberta       446       462       49	l oronto	2,165	2,021	2,123	-144	102	
Site Califarines - Nagara       132       135       139       1       0         London       198       198       208       -       10         Windsor       132       119       127       -13       8         Kitchener-Waterloo       197       194       205       -3       10         Thunder Bay       62       59       64       -3       5         Non-CMA Ontario       1,437       1,397       1,448       -40       51         Prairies       2,224       2,233       2,355       9       211         Winnipeg       336       321       344       -14       23         Non-CMA Manitoba       177       177       178       -       1         Regina       96       97       99       1       22       6         Non-CMA Saskatchewan       259       253       255       -6       2       6       2       2       6         Non-CMA Saskatchewan       259       253       255       -6       2       2       5       Non-CMA Saskatchewan       255       25       -6       2       2       5       16       31       33       3       3	Hamilton St Cathorings Niegoro	323	295	312	-28	16	
London         130         130         130         100         100         100         100           Windsor         132         119         127         -13         80         100           Thunder Bay         62         59         64         -3         55           Non-CMA Ontario         1,437         1,397         1,448         -40         51           Prairies         2,224         2,233         2,355         9         121           Winnipeg         336         321         344         -14         23           Non-CMA Manitoba         177         177         178         -         1         2           Regina         96         97         99         1         2         6         2         6         2         6         2         6         2         6         2         6         2         2         6         2         2         6         2         2         6         2         2         6         2         2         6         2         2         6         2         2         6         2         2         6         2         2         6         2         2	London	102	103	208	-	10	
Instruction       Instruction <thinstruction< th=""> <thinstruction< th=""></thinstruction<></thinstruction<>	Windsor	132	119	127	-13	8	
Interview         Ref         R	Kitchener-Waterloo	197	194	205	-3	10	
Non-CMA Ontario         1,437         1,397         1,448         -40         51           Prairies         2,224         2,233         2,355         9         121           Winnipeg         336         321         344         -14         23           Non-CMA Manitoba         177         177         178         -         1           Regina         96         97         99         1         2           Saskatoon         102         100         106         -2         6           Non-CMA Saskatchewan         259         253         255         -6         2           Calgary         391         394         427         3         333           Edmonton         417         429         453         12         255           Non-CMA Alberta         446         462         492         16         31           British Columbia         1,524         1,619         1,762         96         142           Vancouver         806         861         910         55         50           Victoria         131         134         144         3         10           Non-CMA British Columbia         587<	Thunder Bay	62	59	64	-3	5	
Prairies         2,224         2,233         2,355         9         121           Winnipeg         336         321         344         -14         23           Non-CMA Manitoba         177         177         178         -         1           Regina         96         97         99         1         2           Saskatoon         102         100         106         -2         6           Non-CMA Saskatchewan         259         253         255         -6         2           Calgary         391         394         427         3         333           Edmonton         417         429         453         12         25           Non-CMA Alberta         446         462         492         16         31           British Columbia         1,524         1,619         1,762         96         142           Vancouver         806         861         910         55         50           Victoria         131         134         144         3         10           Non-CMA British Columbia         587         625         707         3         33	Non-CMA Ontario	1,437	1,397	1,448	- 40	51	
Winnipeg         336         321         344         -14         23           Non-CMA Manitoba         177         177         178         -         1           Regina         96         97         99         1         2           Saskatoon         102         100         106         -2         6           Non-CMA Saskatchewan         259         253         255         -6         2           Calgary         391         394         427         3         33           Edmonton         417         429         453         12         25           Non-CMA Alberta         446         462         492         16         31           British Columbia         1,524         1,619         1,762         96         142           Vancouver         806         861         910         55         50           Victoria         131         134         144         3         10           Non-CMA British Columbia         587         625         707         38         83	Prairies	2,224	2,233	2,355	9	121	
Non-CMA Manitoba         177         177         178         -         1           Regina         96         97         99         1         2           Saskatoon         102         100         106         -2         6           Non-CMA Saskatchewan         259         253         255         -6         2           Calgary         391         394         427         3         33           Edmonton         417         429         453         12         25           Non-CMA Alberta         446         462         492         16         31           British Columbia         1,524         1,619         1,762         96         142           Vancouver         806         861         910         55         50           Victoria         131         134         144         3         10           Non-CMA British Columbia         587         625         707         38         83	Winnipeg	336	321	344	-14	23	
Regina       96       97       99       1       2         Saskatoon       102       100       106       -2       6         Non-CMA Saskatchewan       259       253       255       -6       2         Calgary       391       394       427       3       33         Edmonton       417       429       453       12       25         Non-CMA Alberta       446       462       492       16       31         British Columbia       1,524       1,619       1,762       96       142         Vancouver       806       861       910       55       50         Victoria       131       134       144       3       10         Non-CMA British Columbia       587       625       707       38       83	Non-CMA Manitoba	177	177	178	-	1	
Saskatoon       102       100       106       -2       6         Non-CMA Saskatchewan       259       253       255       -6       2         Calgary       391       394       427       3       33         Edmonton       417       429       453       12       25         Non-CMA Alberta       446       462       492       16       31         British Columbia       1,524       1,619       1,762       96       142         Vancouver       806       861       910       55       50         Victoria       131       134       144       3       10         Non-CMA British Columbia       587       625       707       38       33	Regina	96	97	99	1	2	
Non-CMA Saskatchewan         259         253         255         -6         2           Calgary         391         394         427         3         33           Edmonton         417         429         453         12         25           Non-CMA Alberta         446         462         492         16         31           British Columbia         1,524         1,619         1,762         96         142           Vancouver         806         861         910         55         50           Victoria         131         134         144         3         10           Non-CMA British Columbia         587         625         707         3         83	Saskatoon	102	100	106	-2	6	
Calgary       391       394       427       3       33         Edmonton       417       429       453       12       25         Non-CMA Alberta       446       462       492       16       31         British Columbia       1,524       1,619       1,762       96       142         Vancouver       806       861       910       55       50         Victoria       131       134       144       3       10         Non-CMA British Columbia       587       625       707       38       83	Non-CMA Saskatchewan	259	253	255	-6	2	
Editionion       417       429       433       12       23         Non-CMA Alberta       446       462       492       16       31         British Columbia       1,524       1,619       1,762       96       142         Vancouver       806       861       910       55       50         Victoria       131       134       144       3       10         Non-CMA British Columbia       587       625       707       38       83	Edmonton	391	394	427	ა 10	33 25	
British Columbia1,5241,6191,76296142Vancouver8068619105550Victoria131134144310Non-CMA British Columbia5876257073833	Non-CMA Alberta	417 446	429	492	12	25 31	
Vancouver         806         861         910         55         50           Victoria         131         134         144         3         10           Non-CMA British Columbia         587         625         707         38         83	British Columbia	1,524	1,619	1,762	96	142	
Victoria         131         134         144         3         10           Non-CMA British Columbia         587         625         707         38         83	Vancouver	806	861	910	55	50	
Non-CMA British Columbia         587         625         707         38         83	Victoria	131	134	144	3	10	
	Non-CMA British Columbia	587	625	707	38	83	

# Appendix Table 2 Metropolitan and non-metropolitan unemployment rates

	1987	1988	1989	1990	1991	1992	1993	1994	1995
					%				
Canada	8.9	7.8	7.5	8.1	10.4	11.3	11.2	10.4	9.5
СМА	8.2	7.1	6.7	7.4	9.9	11.2	11.1	10.2	9.2
Non-CMA	10.1	9.1	9.0	9.5	11.1	11.6	11.4	10.7	10.1
Atlantic	13.9	12.3	12.2	12.7	14.0	14.9	15.4	14.8	13.4
СМА	10.7	9.4	8.7	9.3	10.7	11.8	11.8	11.2	10.1
Non-CMA	15.3	13.6	13.8	14.2	15.4	16.3	17.0	16.5	14.9
Newfoundland	18.0	16.4	15.7	17.0	18.3	20.2	20.1	20.4	18.3
СМА	12.5	11.2	10.8	11.9	13.3	15.6	14.1	14.1	12.6
Non-CMA	20.8	19.2	18.2	19.8	21.2	22.8	23.7	24.3	21.9
Prince Edward Island	13.1	12.9	14.0	14.9	16.9	17.9	18.1	17.1	14.7
Nova Scotia	12.4	10.2	9.8	10.5	12.0	13.2	14.7	13.3	12.1
СМА	9.0	7.9	6.9	7.9	9.1	10.0	11.2	9.4	8.9
Non-CMA	14.6	11.8	11.9	12.4	14.1	15.3	17.1	16.1	14.4
New Brunswick	13.1	12.0	12.4	12.1	12.8	12.8	12.6	12.4	11.5
CMA	13.0	11.2	10.7	9.6	11.8	11.4	10.5	12.2	10.3
Non-CMA	13.2	12.2	12.8	12.6	13.0	13.2	13.1	12.5	11.8
Quebec	10.3	9.4	9.3	10.2	12.0	12.8	13.2	12.2	11.3
CMA	9.9	9.1	8.8	9.6	11.7	12.8	13.0	12.1	11.1
Non-CMA	11.2	10.2	10.4	11.3	12.6	12.7	13.3	12.3	11.5
Ontario	6.1	5.0	5.1	6.3	9.6	10.9	10.6	9.6	8.7
CMA	5.7	4.6	4.7	5.8	9.5	10.9	10.6	9.5	8.5
Non-CMA	7.1	6.2	6.0	7.5	10.0	10.8	10.5	9.9	9.4
Prairies	8.7	7.9	7.4	7.1	8.2	9.3	9.3	8.4	7.6
СМА	9.3	8.4	7.9	7.6	9.2	10.5	10.6	9.8	8.3
Non-CMA	7.7	7.2	6.6	6.3	6.7	7.5	7.3	6.2	6.3
Manitoba	7.4	7.9	7.6	7.3	8.9	9.7	9.3	9.2	7.5
CMA	7.9	8.3	7.9	7.9	10.1	11.3	10.9	10.9	8.2
Non-CMA	6.5	7.1	7.0	6.2	6.7	6.7	6.4	6.0	6.0
Saskatchewan	7.4	7.5	7.5	7.0	7.3	8.2	8.0	7.0	6.9
CMA	8.3	8.2	8.6	7.9	8.6	9.5	9.1	8.2	7.9
Non-CMA	6.6	6.9	6.6	6.3	6.2	7.2	7.2	6.1	6.1
Alberta	9.7	8.1	7.3	7.0	8.3	9.5	9.7	8.6	7.8
CMA	10.2	8.5	7.7	7.4	9.1	10.4	10.8	9.8	8.5
Non-CMA	8.9	7.4	6.5	6.4	6.9	7.9	7.7	6.4	6.5
British Columbia	12.0	10.3	9.1	8.4	10.0	10.5	9.7	9.4	9.0
СМА	11.4	9.5	7.6	7.2	8.3	9.1	9.2	8.8	8.4
Non-CMA	12.9	11.5	11.4	10.1	12.6	12.6	10.5	10.3	9.7