

## 4.2 WORK AND HEALTH

Table 4.2.1

Presentation of certain organizational conditions of work and physical risks according to sex, population 15 years and older with paid employment, Quebec, 1998

	Never	From time to time %	Often or all the time
<b>Work organization</b>			
Income from investment, commission or bonus			
Men	83.5	5.7	10.8
Women	88.8	3.3	7.9
<b>Total</b>	<b>85.9</b>	<b>4.6</b>	<b>9.5</b>
Irregular or unpredictable work schedule			
Men	32.4	33.2	34.4
Women	41.6	32.1	26.3
<b>Total</b>	<b>36.5</b>	<b>32.7</b>	<b>30.8</b>
Night shift			
Men	69.8	16.3	13.9
Women	87.8	6.4	5.8
<b>Total</b>	<b>77.8</b>	<b>11.9</b>	<b>10.3</b>
<b>Physical risks</b>			
Repetitive work with hands and arms			
Men	65.9	12.7	21.5
Women	71.0	8.6	20.4
<b>Total</b>	<b>68.2</b>	<b>10.9</b>	<b>21.0</b>
Manipulation of heavy loads			
Men	51.7	23.7	24.6
Women	72.5	16.8	10.8
<b>Total</b>	<b>60.9</b>	<b>20.6</b>	<b>18.4</b>
Produce work using tools, machines or equipment			
Men	52.0	20.2	27.9
Women	83.9	9.5	6.6
<b>Total</b>	<b>66.2</b>	<b>15.4</b>	<b>18.4</b>
Vibrations from tools used by hands (affecting hands and arms)			
Men	68.5	16.6	14.9
Women	94.0	3.9	2.1
<b>Total</b>	<b>79.9</b>	<b>10.9</b>	<b>9.2</b>
Vibrations from heavy machines, vehicles or the ground (vibrations of entire body)			
Men	77.0	12.5	10.5
Women	98.0	1.2*	0.8*
<b>Total</b>	<b>86.4</b>	<b>7.5</b>	<b>6.2</b>
Intense noise (required to yell)			
Men	58.7	22.0	19.3
Women	86.9	8.4	4.7
<b>Total</b>	<b>71.3</b>	<b>15.9</b>	<b>12.8</b>

\*Interpret with caution

\*\*Imprecise estimate, indication only

Source: Institut de la statistique du Québec, *Enquête social et de santé 1998*.

Table 4.2.2

**Presentation of certain organizational conditions of work and chemical risks according to sex, population 15 years and older with paid employment, Quebec, 1998**

	Never	From time to time %	Often or all the time
<b>Work organization</b>			
Income from investment, commission or bonus			
Men	83.5	5.7	10.8
Women	88.8	3.3	7.9
<b>Total</b>	<b>85.9</b>	<b>4.6</b>	<b>9.5</b>
Irregular or unpredictable work schedule			
Men	32.4	33.2	34.4
Women	41.6	32.1	26.3
<b>Total</b>	<b>36.5</b>	<b>32.7</b>	<b>30.8</b>
Night shift			
Men	69.8	16.3	13.9
Women	87.8	6.4	5.8
<b>Total</b>	<b>77.8</b>	<b>11.9</b>	<b>10.3</b>
<b>Chemical risks</b>			
Dust from flour			
Men	91.0	4.5	4.5
Women	94.3	3.2	2.5
<b>Total</b>	<b>92.5</b>	<b>3.9</b>	<b>3.6</b>
Dust from wood			
Men	81.3	9.5	9.2
Women	97.4	1.6*	1.0*
<b>Total</b>	<b>88.5</b>	<b>6.0</b>	<b>5.6</b>
Fumes from soldering			
Men	77.6	15.0	7.5
Women	97.7	1.7	0.6**
<b>Total</b>	<b>86.6</b>	<b>9.1</b>	<b>4.4</b>
Solvents			
Men	64.9	21.3	13.9
Women	88.5	7.4	4.1
<b>Total</b>	<b>75.4</b>	<b>15.1</b>	<b>9.5</b>
Pesticides			
Men	91.0	7.2	1.9
Women	96.7	2.7	0.6**
<b>Total</b>	<b>93.5</b>	<b>5.2</b>	<b>1.3</b>

\*Interpret with caution

\*\*Imprecise estimate, indication only

Source: Institut de la statistique du Québec, *Enquête social et de santé 1998*.

**Table 4.2.3**

**Indicators of psychological distress and periods of extreme anxiety or irritability according to violence and intimidation at work in the course of a twelve-month period, population 15 years and older with paid employment, Quebec, 1998**

	Indicator of psychological distress		Periods of severe anxiety or irritability	
	Low or average	High	Yes	No
	%			
Physical violence at work				
Never	80.9	19.1	3.2	96.8
From time to time, often or very often	70.8	29.4	5.1**	94.9
Intimidation at work				
Never	84.0	16.0	2.4	97.6
From time to time, often or very often	65.1	34.9	6.7	93.3

\*\*Imprecise estimate, indication only

Source: Institut de la statistique du Québec, *Enquête sociale et de santé 1998*.

**Table 4.2.4**

**Perception of state of physical health and mental health according to violence and intimidation at work in the course of a twelve-month period, population 15 years and older with paid employment, Quebec, 1998**

	Perception of state of physical health			Perception of state of mental health		
	Excellent or very good	Good	Average or poor	Excellent or very good	Good	Average or poor
	%					
Physical violence at work						
Never	61.8	32.8	5.4	74.4	19.0	6.6
From time to time, often or very often	54.0	38.3	7.7**	65.1	24.3	10.6*
Intimidation at work						
Never	63.1	32.1	4.8	76.3	18.1	5.6
From time to time, often or very often	54.7	37.1	8.2	63.9	23.8	12.3

\*Interpret with caution

\*\*Imprecise estimate, indication only

Source: Institut de la statistique du Québec, *Enquête sociale et de santé 1998*.

**Table 4.2.5**

**Different serious muscular and skeletal long-term problems according to exposure to certain risks or physical constraints at work, population 15 years and older with paid employment, Quebec, 1998**

	Serious back pain or pain in the spine	At least 1 serious long- term muscular or skeletal problem <sup>1</sup>
	%	
Manipulation of heavy loads		
Never	8.6	14.4
From time to time	9.7	14.9
Fairly often or all the time	11.9	17.7
Produce work using tools, machines or equipment		
Never	8.5	14.2
From time to time	9.4	14.2
Fairly often or all the time	13.0	19.2
Vibrations from tools used by hands (affecting hands and arms)		
Never	8.9	14.4
From time to time	9.5*	14.3
Fairly often or all the time	16.3	21.6
Vibrations from heavy machines, vehicles or the ground (vibrations of entire body)		
Never	9.0	14.7
From time to time	10.5	15.4
Fairly often or all the time	14.7	20.6

1. Includes serious back and spinal column pain, arthritis or rheumatism and other serious problems with bones, joints, muscles or tendons

\*Interpret with caution

Source: Institut de la statistique du Québec, *Enquête social et de santé 1998*.

**Table 4.2.6****Persons with paid employment by mother tongue, Quebec, 1998**

	N=	18211	1054	685	445
		<b>French</b>	<b>English</b>	<b>Other</b>	<b>n/a</b>
<b>Yes</b>		57.38%	52.47%	58.98%	42.02%
<b>No</b>		40.63%	45.35%	38.54%	51.24%
<b>Refusal</b>		1.98%	2.18%	2.48%	6.74%
		100.00%	100.00%	100.00%	100.00%

Source: Institut de la statistique du Québec, *Enquête social et de santé 1998*.

**Table 4.2.7****Type of work by mother tongue, Quebec, 1998**

	N=	9783	498	491	172
		<b>French</b>	<b>English</b>	<b>Other</b>	<b>n/a</b>
<b>Manual</b>		36.29%	25.70%	38.90%	50.00%
<b>Non manual</b>		46.29%	56.22%	45.21%	34.30%
<b>Mixed</b>		16.18%	17.27%	15.07%	14.53%
<b>Unknown</b>		1.24%	0.00%	0.00%	0.00%
		100.00%	100.00%	100.00%	100.00%

Source: Institut de la statistique du Québec, *Enquête social et de santé 1998*.

**Table 4.2.8****Intimidation at work by mother tongue, Quebec, 1998**

	N=	10450	538	535	187
		<b>French</b>	<b>English</b>	<b>Other</b>	<b>n/a</b>
<b>Never</b>		80.15%	77.70%	80.56%	81.28%
<b>From time to time</b>		15.45%	15.24%	12.52%	10.70%
<b>Often/Very often</b>		2.84%	4.65%	2.24%	2.67%
<b>Unknown</b>		1.55%	2.42%	4.67%	5.35%
		100.00%	100.00%	100.00%	100.00%

Source: Institut de la statistique du Québec, *Enquête social et de santé 1998*.

**Table 4.2.9**

**Violence at work by mother tongue, Quebec, 1998**

	N=	10450	538	535	187
		<b>French</b>	<b>English</b>	<b>Other</b>	<b>n/a</b>
<b>Never</b>		95.42%	93.12%	93.27%	90.37%
<b>From time to time</b>		2.71%	3.16%	2.43%	0.00%
<b>Often/Very often</b>		0.37%	1.30%	0.56%	0.00%
<b>Unknown</b>		1.50%	2.42%	3.74%	6.42%
		100.00%	100.00%	100.00%	100.00%

Source: Institut de la statistique du Québec, *Enquête social et de santé 1998*.