

Table C-2  
Connectedness, school year 2003-04

	All schools	Instructional level of school			Location of school		All schools	Type of school		Size of school		
		Elementary	Secondary	Mixed	Urban	Rural		Public	Private	Small	Medium	Large
<b>% of schools with Internet-connected computers</b>	97.7	98.2	99.1	92.4	98.1	96.5	97.7	99.2	85.4	94.1	98.9	99.7
<b>Average number of Internet-connected computers</b>	66.3	48.4	127.8	49.3	73.9	45.1	66.3	69.4	42.4	28.4	60.9	105.3
<b>% of Internet-connected computers</b>												
<b>... by type</b>												
Desktop	94.6	95.7	94.8	87.7	94.6	94.3	94.6	95.8	77.1	93.4	94.8	94.7
Laptops and Notebooks	5.5	4.3	5.2	12.3	5.4	5.7	5.5	4.2	22.9	6.6	5.2	5.3
<b>... by processor speed<sup>1</sup></b>												
Low speed	25.4	30.8	20.5	20.6	24.7	28.4	25.4	26.2	13.8	32.2	26.0	23.4
Medium speed	56.7	54.1	59.3	57.5	57.3	53.7	56.7	57.0	52.5	49.7	55.4	59.1
High speed	16.9	13.8	19.3	21.1	16.9	17.0	16.9	15.8	31.2	17.2	17.3	16.6
Other speed	1.1	1.3	0.9 *	0.8 *	1.1	0.9 *	1.1	1.0	F	0.9 *	1.3	1.0 *
<b>... by location</b>												
Classrooms and portables	39.2	49.2	28.7	36.5	39.6	37.3	39.2	39.5	34.9	37.3	38.0	40.2
Computer labs	46.7	38.6	55.6	46.9	46.2	49.2	46.7	47.1	40.8	49.4	47.3	45.7
Libraries	7.8	7.5	8.3	7.0	7.9	7.2	7.8	7.9	6.4	6.6	8.2	7.8
Other location	6.4	4.8	7.4	9.6	6.4	6.2	6.4	5.5	17.9 *	6.8	6.5	6.2
<b>Student to Internet-connected computer ratio (median)</b>												
Canada	5.5	6.0	4.6	4.1	5.9	4.2	5.5	5.4	6.7	3.9	5.4	6.8
Newfoundland and Labrador	5.0	6.5	4.7	3.8	6.5	4.2	5.0	5.1	3.3	3.4	5.1	6.7
Prince Edward Island	5.6	5.6	5.7	5.9	6.5	5.4	5.6	5.6	F	3.6	6.1	6.5
Nova Scotia	5.1	6.2	4.7	4.1	5.5	4.4	5.1	5.1	5.6 *	4.3	5.7	4.8
New Brunswick	5.0	5.3	4.0	5.1	5.5	4.2	5.0	4.9	8.0 **	3.5	5.6	6.3
Quebec	6.5	6.4	6.9	5.3	7.0	4.6	6.5	6.4	7.4	4.2	6.7	7.8
Ontario	5.8	6.4	4.4	4.8	6.0	4.9	5.8	5.8	6.0	4.3	5.6	6.9
Manitoba	4.2	4.6	3.6	4.1	4.8	3.3	4.2	4.2	5.8	3.3	4.5	6.0
Saskatchewan	4.0	4.9	3.8	3.3	4.8	3.4	4.0	4.0	3.4	3.4	4.0	5.4
Alberta	4.5	5.0	4.1	4.2	4.7	3.5	4.5	4.5	4.2	3.7	4.5	5.2
British Columbia	5.6	6.0	5.0	3.8	6.0	3.6	5.6	5.4	7.1 *	3.8	5.6	6.8
Yukon	2.9	4.8	3.5	2.5	3.6	2.6	2.9	2.9	F	2.9	2.7	5.6
Northwest Territories	3.9	4.6	4.2	2.8	4.2	3.9	3.9	3.7	F	2.1	4.0	4.3
Nunavut	4.8	9.3	4.1	3.9	4.3	5.0	4.8	4.8	F	4.1	5.2	9.3
<b>% of schools by methods to access the Internet</b>												
Dial-up access <sup>2</sup>	8.6	8.0	3.9	21.1	4.5	20.7	8.6	7.2	22.7	19.0	6.0	2.7
Always on <sup>3</sup>	85.8	84.2	93.2	79.6	89.3	75.6	85.8	86.4	79.4	77.1	87.9	90.8
Cable modem	15.3	16.7	12.4	13.6	17.2	9.8	15.3	14.7	20.3	14.7	16.7	14.5
High-speed line (ISDN/DSL) or Frame relay	31.6	30.5	32.1	36.4	33.1	27.2	31.6	29.7	49.0	31.6	33.1	30.1
T1 line	11.6	9.4	19.9	7.6	12.3	9.7	11.6	12.3	5.4	9.8	11.5	13.2
Optical fibre	22.8	23.6	29.1	6.6	26.9	11.1	22.8	24.9	4.0 *	13.5	20.7	32.5
Fixed wireless (terrestrial) devices	7.6	7.2	8.1	9.5	6.5	11.1	7.6	7.9	4.9	8.0	8.2	6.8
Satellite connection	4.9	4.2	2.5	13.7	2.4	12.4	4.9	5.3	2.3 **	6.8	5.9	2.5
Unknown type	9.5	11.6	5.5	5.7	9.1	10.7	9.5	10.4	1.3	9.6	9.8	9.1
<b>% of schools with Intranet</b>												
Internal to the school network	76.2	78.5	79.8	58.4	78.7	69.0	76.2	80.3	44.2	62.3	80.1	84.9
Internal to the school jurisdiction's network	33.6	31.5	37.7	37.2	34.1	32.4	33.6	32.5	41.4	30.1	35.8	34.7
Internal to the provincial/territorial education system's network	49.5	55.0	47.8	24.5	53.2	38.9	49.5	55.5	3.6 *	35.6	52.4	59.1
	10.4	10.3	10.7	10.4	9.9	11.7	10.4	11.5	1.8 *	9.2	12.4	9.4
<b>% of schools with Website</b>												
Formal corporate/administrative site	74.3	72.7	85.8	63.0	78.2	63.3	74.3	75.2	67.2	60.0	77.8	84.1
Non-administrative/informal site	49.5	48.0	57.8	42.8	52.9	39.8	49.5	49.6	49.0	40.8	51.7	55.2
	44.2	42.1	55.3	35.6	46.6	37.4	44.2	45.8	31.1	30.2	46.7	54.5
<b>% of schools by proportion of teachers or students with e-mail accounts</b>												
<b>Teachers</b>												
Less than 25%	10.3	10.4	8.7	12.9	9.9	11.6	10.3	7.4	37.5	15.0	9.1	7.5
From 25% to 49%	2.9	2.6	3.0	4.3	2.6	3.7	2.9	2.3	8.4	3.9	3.5	1.5 *
From 50% to 74%	3.1	3.2	2.6	3.6 *	2.9	3.6	3.1	2.8	5.6 *	4.0	2.7	2.8
75% or more	83.7	83.8	85.8	79.2	84.6	81.1	83.7	87.6	48.5	77.1	84.8	88.3
<b>Students</b>												
Less than 25%	76.8	80.7	68.9	70.5	77.2	75.8	76.8	76.3	81.6	78.8	74.4	77.5
From 25% to 49%	3.1	3.4	1.2 *	4.8	2.8	3.8	3.1	3.1	2.8 *	3.1	3.6	2.6
From 50% to 74%	2.6	2.5	1.3 *	5.2	2.4	3.1	2.6	2.5	2.8 *	2.1	2.6	2.9
75% or more	17.6	13.4	28.7	19.5	17.7	17.3	17.6	18.1	12.7	16.0	19.4	17.1
<b>% of schools with students participating in online courses</b>												
Through a virtual school	14.2	3.3	36.1	30.4	12.9	17.7	14.2	14.6	10.7 *	12.2	13.6	16.5
Through electronic or online courses developed by the school board/district/jurisdiction/province or territory	4.0	1.5	9.0	7.6	3.8	4.6	4.0	4.0	3.5 *	2.9	3.7	5.2
Through electronic or online courses developed by another board/district/jurisdiction/province or territory	8.5	1.3	24.2	17.7	7.6	11.2	8.5	9.2	3.5 *	7.1	8.0	10.4
Other	4.3	1.0	10.1	10.7	3.7	6.2	4.3	4.4	3.2 *	4.0	4.8	4.2
	1.8	1.0	4.0	2.2 *	1.9	1.7	1.8	1.8	1.7 **	1.9	1.6	1.9

## Footnotes

### **Symbols and abbreviations:**

- ... Not applicable
- x Suppressed to meet confidentiality requirements of the *Statistics Act*
- \* Numbers marked with this symbol have a coefficient of variation between 16.6% and 25% and are less reliable than unmarked numbers
- \*\* Numbers marked with this symbol have a coefficient of variation greater than 25% and less or equal to 33.3% and are very unreliable
- F Too unreliable to be published (coefficient of variation surpasses 33.3%)
- 0 Nul, zero or too small to be expressed

### **Infrastructure:**

#### **Notes:**

1. Processor speeds are measured in Megahertz (MHz), with each MHz representing one million cycles per second (the number of times the computer processor is able to perform a task). Computers with low processor speed include those with processors in the range of 66-233 MHz (e.g. 486, Pentium® I). Computers with medium processor speed typically range in the area of 233 MHz all the way up to 1.4 GHz (Gigahertz) (e.g. Pentium® II/III, Apple™ G3). The most recent generation of processors on the market, classed as having high processor speed, are typically available in speeds of 1.3 GHz to 3.8 GHz and sometimes higher (e.g. Pentium® IV, Apple™ G5).

2. Computers with most recent operating systems were computers running with the latest version of operating systems (e.g. Windows™ NT/2000/XP, MACTM OSX) at the time of the survey.

Source: Information and Communications Technologies in Schools Survey, 2003-2004

### **Connectedness:**

#### **Notes:**

1. Processor speeds are measured in Megahertz (MHz), with each MHz representing one million cycles per second (the number of times the computer processor is able to perform a task). Computers with low processor speed include those with processors in the range of 66-233 MHz (e.g. 486, Pentium® I). Computers with medium processor speed typically range in the area of 233 MHz all the way up to 1.4 GHz (Gigahertz) (e.g. Pentium® II/III, Apple™ G3). The most recent generation of processors on the market, classed as having high processor speed, are typically available in speeds of 1.3 GHz to 3.8 GHz and sometimes higher (e.g. Pentium® IV, Apple™ G5).

2. Dial-up access is defined as "Regular dial-up telephone line with a modem".

3. The method to access the Internet is said to be "Always on" when the method used by the school is one of the following: cable modem, high-speed line (ISDN/DSL) or Frame relay, T1 line, optical fibre, fixed wireless (terrestrial) devices or Satellite connection.

Source: Information and Communications Technologies in Schools Survey, 2003-2004

### **Access:**

#### **Notes:**

1. Frequency of access is established as follow: Computers that were often to always available outside instructional hours were defined as "frequently accessible". Computers that were rarely available or available sometimes were defined as "infrequently accessible". "Never accessible" was assigned in the cases where principals reported that their computers were never available outside instructional hours.

Source: Information and Communications Technologies in Schools Survey, 2003-2004

### **Teacher Skills:**

#### **Notes:**

"always".

Source: Information and Communications Technologies in Schools Survey, 2003-2004

### **Challenges:**

Source: Information and Communications Technologies in Schools Survey, 2003-2004

**Table C-2**  
**Connectedness, school year 2003-04**  
**Newfoundland and Labrador**

	All schools	Instructional Level of Schools			Location		Type		Size		
		Elementary	Secondary	Mixed	Urban	Rural	Public	Private	Small	Medium	Large
% of schools with Internet-connected computers	99.5	98.8	100	100	100	99.2	99.5	x	98.7	100	100
Average number of Internet-connected computers	48.8	36.7	80.2	35.8	65.3	35.7	49.1	x	30.2	56.6	64.2
% of Internet-connected computers... by type...											
Desktop	95.9	97.2	94.1	97.6	95.4	96.6	95.8	x	88.8	97.7	98.2
Laptops and Notebooks	4.1*	2.8**	5.9**	2.4*	4.6**	3.4*	4.2*	x	11.2**	2.3	1.8
by processor speed <sup>1</sup> ...											
Low speed	38.7	45.4	37.3	33.2	38.9	38.4	38.9	x	43	38	36.6
Medium speed	50.1	43.1	52.3	54.5	50.3	49.8	49.9	x	45.2	53.2	48.9
High speed	10.9	11.5	10	12.1	10.8	11.1	11	x	11.6	8.4	14.5
Other speed	x	x	x	x	x	x	x	x	x	x	x
by location...											
Classrooms and portables	29	35.6	24.5	29.5	30.9	26.3	29.1	x	22.3	28.4	35.1
Computer labs	52.6	47.9	54.3	55.1	49.3	57.4	52.5	x	58.9	52.4	48.2
Libraries	8.5	8.2	10.4	5.1	9.4	7.1	8.5	x	5.4	10.8	7.1
Other location	9.9	8.3	10.8	10.3	10.4	9.2	9.9	x	13.4*	8.4	9.6
Student to Internet-connected computer ratio (median)	5	6.5	4.7	3.8	6.5	4.2	5.1	x	3.4	5.1	6.7
% of schools by methods to access the Internet...											
Dial-up access <sup>2</sup>	15.7	30.3	x	x	x	23	16	x	33.6	x	x
Always on <sup>3</sup>	89.1	79.8	100	90.2	94.5	84.7	89.6	x	79.7	93.6	96.8
Cable modem	19.9	24.8	26.5	x	28.9	12.6	20.2	x	14.0*	24	22.3*
High-speed line (ISDN/DSL) or Frame relay	37.4	23.8	41	51.4	33.3	40.7	37	x	34.8	41.6	34.4
T1 line	x	x	x	x	x	x	x	x	x	x	x
Optical fibre	19.2	21.3	29.5	x	33	8.0*	19.6	x	8.3**	21.4	33.3
Fixed wireless (terrestrial) devices	x	x	x	x	x	x	x	x	x	x	x
Satellite connection	16	13.9*	x	29.5	x	27.5	16.3	x	28	11.7*	x
Unknown type	x	x	x	x	x	x	x	x	x	x	x
% of schools with Intranet...	64.4	53.9	67.8	73.5	65	64	64.8	x	54.1	69.3	72.6
Internal to the school network	54.1	43	55.2	65.6	51.7	55.9	54.2	x	45.7	57.9	60.9
Internal to the school jurisdiction's network	9.5	11.7*	11.0**	x	13.0*	6.8*	9.8	x	x	13.8*	x
Internal to the provincial/territorial education system's network	6.6*	x	x	11.5**	x	8.5*	6.7*	x	8.2**	x	x
% of schools with Website	89.5	83.1	98.1	90	96.4	84	90.4	x	76.5	97.1	97.1
Formal corporate/administrative site	32.7	35.1	30.3	32	34.6	31.2	33.6	x	30.3	28.3	44.2
Non-administrative/informal site	69.4	59.8	80.7	71.3	74	65.7	69.7	x	59.2	77.6	71.3
% of schools by proportion of teachers or students with e-mail accounts ...											
Teachers...											
Less than 25%	13.9	13.5*	17.5*	11.3**	10.3*	16.9	14.3	x	18.5	14.1*	x
From 25% to 49%	x	x	x	x	x	x	x	x	x	x	x
From 50% to 74%	5.4*	x	x	x	x	7.8*	5.6*	x	x	x	x
75% or more	78	80.1	79	74.5	87.2	70.5	77.4	x	71.9	76.3	90.7
Students...											
Less than 25%	55.9	51.4	56.6	60.9	46.1	63.7	55.3	x	66.6	49.5	49.7
From 25% to 49%	5.2*	x	x	x	x	x	4.7*	x	x	x	x
From 50% to 74%	8.7	11.3*	x	13.1*	x	10.6*	8.9	x	7.9*	x	x
75% or more	30.3	31.5	43.4	16.9*	41.9	21	31.1	x	22.8	36.3	32.1
% of schools with students participating in online courses ...											
Through a virtual school	37.1	x	36.6	78.9	13.2*	55.1	38	x	45.4	33.8	29.8
Through electronic or online courses developed by the school board/district/jurisdiction/province or territory	7.1*	x	x	17.2*	x	12.5*	7.3*	x	8.0*	x	x
Through electronic or online courses developed by another board/district/jurisdiction/province or territory	33.1	x	32.8	70.2	10.7*	50	34	x	41.2	29.2	27.4
Other	6.3*	x	x	14.7*	x	8.8*	6.5*	x	8.1*	x	x



**Table C-2**  
**Connectedness, school year 2003-04**  
**Nova Scotia**

	All schools	Instructional Level of Schools			Location		Type		Size		
		Elementary	Secondary	Mixed	Urban	Rural	Public	Private	Small	Medium	Large
% of schools with Internet-connected computers	98.6	98.8	99.1	96.6	97.8	99.5	99.6	75.4	96.8	100	98.6
Average number of Internet-connected computers	74	48.1	129.9	74.3	83.2	64.5	75.5	36.3**	28.3	67.1	131
% of Internet-connected computers... by type...											
Desktop	95.5	95.2	95.3	96.6	95.6	95.3	96.3	54.5	97.1	93.8	96.3
Laptops and Notebooks	4.5	4.8	4.7*	3.4*	4.4*	4.7	3.7	x	2.9	6.2*	3.7
by processor speed¹...											
Low speed	18.3	24.1	12.2	24.5	17.4	19.5	18.5	F	22.2	18.5	17.3
Medium speed	62.1	61.4	63.7	57.3	64.2	59.2	62.1	58.1	61.7	64.6	60.3
High speed	19.3	14.2	24	16.6*	18.1	20.9	19.1	29.3	15.6	16.6	22.1
Other speed	0.3**	x	x	x	F	x	0.3**	x	x	x	x
by location...											
Classrooms and portables	56.4	70.6	43.7	62.4	52.4	61.8	57.1	21.5*	58.5	55.6	56.6
Computer labs	32.2	19.4	43.8	26.2	36	27.2	32.3	28.8	28.4	31.3	33.7
Libraries	5.6	4.7	6.4	5	5.6	5.6	5.6	x	7.4	6.1	4.9
Other location	5.8	5.2	6.1	6.3	6	5.4	5	x	5.7	7	4.9
Student to Internet-connected computer ratio (median)	5.1	6.2	4.7	4.1	5.5	4.4	5.1	5.6*	4.3	5.7	4.8
% of schools by methods to access the Internet...											
Dial-up access²	x	x	x	x	x	x	x	x	x	x	x
Always on³	92.9	90.8	97.8	92.4	93.7	92.1	92.7	100	93.1	93.8	91.6
Cable modem	13.1	15.7	7.9*	x	14.1	12	12.7	x	16.7	11.8	11.4*
High-speed line (ISDN/DSL) or Frame relay	50.5	53.7	50.1	33.5	60.1	40.4	49.8	75.1	47	55.2	47.4
T1 line	31.6	24.6	37.7	55.2	23.4	40.2	32.2	x	28.5	29.4	37.8
Optical fibre	1.9*	x	x	x	x	x	2.0*	x	x	x	x
Fixed wireless (terrestrial) devices	2.2*	x	x	x	x	x	2.2*	x	x	x	x
Satellite connection	x	x	x	x	x	x	x	x	x	x	x
Unknown type	7.4	9.8	x	x	5.6*	9.4	7.6	x	8.1*	6.2*	8.4*
% of schools with Intranet...	66.4	62.2	76.1	64.6	66.5	66.2	68.1	x	52	73.1	71.3
Internal to the school network	39.8	31.8	55.3	45	41.8	37.7	40.5	x	27.6	43.3	47.2
Internal to the school jurisdiction's network	22.6	23.5	22.3	18.6*	22.2	23	23.5	x	15.2	28.8	21.3
Internal to the provincial/territorial education system's network	28.6	28.1	34.2	x	28.7	28.6	29.8	x	24.3	33	26.9
% of schools with Website	78	72.5	86.5	86.2	87.1	68	78.2	75.2	57.9	82.6	91.7
Formal corporate/administrative site	39.2	33.9	43.9	55.4	41.9	36.1	38.5	55.6	31.1	44.1	40.2
Non-administrative/informal site	57	53.6	65.6	54	64.4	48.9	57.9	x	39.3	59.1	72
% of schools by proportion of teachers or students with e-mail accounts ...											
Teachers...											
Less than 25%	7.5	7.1	6.7*	x	9.6	5.2*	5.8	x	8.2*	9.4	x
From 25% to 49%	3.5*	3.3*	x	x	x	5.5*	3.0*	x	7.5*	x	x
From 50% to 74%	3.8*	4.1*	x	x	x	5.7*	3.9*	x	6.8*	x	x
75% or more	85.2	85.5	84.9	84.7	86.7	83.7	87.3	x	77.4	85	93.2
Students...											
Less than 25%	43.7	52.3	25.7	40.5	39.4	48.4	42.5	80.6	54.7	43	33.9
From 25% to 49%	6.8	8.1	x	x	5.5*	8.1*	7	x	7.2*	4.7*	9.3*
From 50% to 74%	5.8	5.3*	x	x	5.1*	6.5*	6	x	x	x	11.5*
75% or more	43.7	34.3	67.6	37.4	49.9	36.9	44.5	x	35.6	48.2	45.3
% of schools with students participating in online courses ...											
Through a virtual school	9.4	x	18.2	22.2*	6.6*	12.4	9.7	x	x	10.6	12.0*
Through electronic or online courses developed by the school board/district/jurisdiction/province or territory	3.1*	x	x	x	x	x	3.2*	x	x	4.6*	x
Through electronic or online courses developed by another board/district/jurisdiction/province or territory	6.6	x	15.8	x	3.9*	9.4	6.8	x	x	7.5*	8.1*
Other	2.8*	x	x	x	x	x	2.9*	x	x	5.5*	x
	2.4*	x	x	x	x	x	2.5*	x	x	x	x



**Table C-2**  
**Connectedness, school year 2003-04**  
**Quebec**

	All schools	Instructional Level of Schools			Location		Type		Size		
		Elementary	Secondary	Mixed	Urban	Rural	Public	Private	Small	Medium	Large
% of schools with Internet-connected computers	98.9	99.3	99.1	91.8	98.9	98.9	99.2	94.8	98	99	99.6
Average number of Internet-connected computers	58.1	45	102.8	65.2	67.4	34.7	56.9	68.3	27.6	50.6	90.2
% of Internet-connected computers... by type...											
Desktop	93.9	95	94.2	80.8	94.1	93.1	94.6	91.3	95.1	94	93.5
Laptops and Notebooks	6.1	5	5.8	19.2**	5.9	6.9*	5.4	8.7**	4.9*	6.0*	6.5
by processor speed¹...											
Low speed	34	38.9	28.1	23.1*	32.6	40.8	36.3	17.4	44.7	33.4	31.4
Medium speed	54.1	53	55.4	56.8	55.5	47.5	54.7	48	45.3	54.8	56.1
High speed	10.5	7.6	13.7	19.1**	10.6	10.1	8.5	24.8	8.9	10.6	10.9
Other speed	F	0.5*	F	x	F	F	0.5*	x	1.0**	1.2**	F
by location...											
Classrooms and portables	44.3	57	25.3	40	45.9	36.5	45.6	33.7	40.2	44	45.4
Computer labs	45.8	36.4	59.9	48.3	44	54.7	45.4	48.4	52.2	46.3	43.9
Libraries	3.9	2.3	6.3	4.8*	4.1	3.3	3.6	5.7	2.6	4.3	4.1
Other location	6	4.3	8.5	7.0**	6.1	5.5	5.4	12.1	4.9	5.4	6.6
Student to Internet-connected computer ratio (median)	6.5	6.4	6.9	5.3	7	4.6	6.4	7.4	4.2	6.7	7.8
% of schools by methods to access the Internet...											
Dial-up access²	12	12.8	6.3*	24.8*	4.4	30.5	12.3	9.3**	25.9	9.2	2.4**
Always on³	87.1	86.2	92.7	75.3	94.5	68.7	86.4	94.9	74.3	90.2	95.4
Cable modem	12	12.9	8.1*	14.7**	11.3	13.7	11.2	19.2*	14.6	13	9
High-speed line (ISDN/DSL) or Frame relay	21.6	19.4	26.6	31.8*	20.9	23.2	18.7	51.5	26.7	20.8	17.9
T1 line	5.6	3.2*	11.9	15.4**	6.3	4.0*	5	11.2**	2.2**	6.5*	7.9
Optical fibre	47	47.9	49.5	22.0*	58.3	19.4	50.9	10.5**	26.4	46.7	64.6
Fixed wireless (terrestrial) devices	3.8	3.6*	4.1*	x	3.6	4.3*	3.5	x	3.2**	5.5*	3.0*
Satellite connection	3.9	4.3	x	x	2.0*	8.6*	4.1	x	6.0*	3.3**	2.7**
Unknown type	5.6	6.8	x	x	4.4	8.4*	5.9	x	6.4*	5.8*	4.8*
% of schools with Intranet...	78.4	79.2	78	69.4	80.8	72.4	81.2	48.9	70.3	80.5	84.1
Internal to the school network	29	26.5	34.5	43.2	30.4	25.4	27	45.5	24.7	28.8	32.9
Internal to the school jurisdiction's network	61.6	66.4	51.5	32.0*	63.8	55.9	67.4	x	55.1	63.1	66.1
Internal to the provincial/territorial education system's network	3	3.2	x	x	3.3	2.3**	3.3	x	3.1**	2.8**	3.1*
% of schools with Website	67.1	64.1	80.6	55.8	71.9	54.9	65.6	78.5	52	68.1	79.7
Formal corporate/administrative site	40	35.2	56.4	41.7	41.6	36	38.2	56	35.2	38.4	45.5
Non-administrative/informal site	42	40.7	49.9	29.9*	47.2	28.9	42	40.7	24.4	42.1	57.8
% of schools by proportion of teachers or students with e-mail accounts ...											
Teachers...											
Less than 25%	23.6	23	23.8	32.8*	22.5	26.3	22.6	36.4	26.6	23.2	21.3
From 25% to 49%	4	3.2*	6.2*	x	3.4*	5.5*	3.9	x	2.6**	6.9*	2.9**
From 50% to 74%	4.1	4.6	3.2**	x	4	4.2**	4.2	x	4.1*	3.7**	4.3*
75% or more	68.3	69.3	66.8	59.6	70.1	63.9	69.3	57.2	66.7	66.2	71.4
Students...											
Less than 25%	80.5	83.1	73.4	70.4	79.6	82.7	81.3	69.4	81.1	82.8	78
From 25% to 49%	3.3	3.5*	x	x	3.1*	4.0**	3.3	x	4.7*	2.3**	3.0*
From 50% to 74%	1.5*	1.4**	x	x	1.3**	x	1.7*	x	x	2.5**	x
75% or more	14.7	12	22.4	21.2**	16	11.3	13.7	27.4	13	12.4	17.9
% of schools with students participating in online courses ...											
Through a virtual school	0.9**	1.1**	x	x	1.0**	x	x	x	x	x	x
Through electronic or online courses developed by the school board/district/jurisdiction/province or territory	1.3*	x	x	x	1.5*	x	1.3*	x	x	2.2**	x
Through electronic or online courses developed by another board/district/jurisdiction/province or territory	1.1*	x	x	x	1.0**	x	1.0**	x	x	2.2**	x
Other	0.8**	x	x	x	F	x	0.6**	x	x	x	x

**Table C-2**  
**Connectedness, school year 2003-04**  
**Ontario**

	All schools	Instructional Level of Schools			Location		Type		Size		
		Elementary	Secondary	Mixed	Urban	Rural	Public	Private	Small	Medium	Large
% of schools with Internet-connected computers	97.1	97.5	98.7	82.8	97.7	94.5	99.9	80.5	91.4	98.4	99.6
Average number of Internet-connected computers	74.6	51.6	158.6	64.3	79	54.7	80.1	41.8	30	62	111.2
% of Internet-connected computers... by type...											
Desktop	94.1	96	93.8	70.7	93.9	95.1	96.4	67.8	88.5	93.6	95.2
Laptops and Notebooks	5.9	4	6.2*	29.3*	6.1	4.9*	3.6	32.2*	11.5**	6.4**	4.8
by processor speed¹...											
Low speed	21.7	26.8	16.9	8.0*	21.4	23.3	22.7	10.5*	23.9	23.8	20.4
Medium speed	59.7	57.6	62.1	59.6	60.1	57.2	60.2	53.1	50.8	57.8	61.9
High speed	17.9	14.6	20.6	32.3	17.8	18.6	16.3	36.3	24.5	17.7	16.9
Other speed	0.7*	0.9**	F	x	0.7**	0.9**	0.8*	x	F	0.6**	0.7**
by location...											
Classrooms and portables	40.4	52.3	27.5	32.1	40.9	37.1	41.1	33	40.4	39.5	40.9
Computer labs	44	33.9	56.4	36.2	43.4	48.1	44.7	36	44.9	44.1	43.8
Libraries	9.1	9.9	8.4	7.5	9.2	8.8	9.4	6.2	7.1	9.6	9.2
Other location	6.4	4	7.7	24.2*	6.5	6	4.8	24.8*	7.6**	6.7**	6.1
Student to Internet-connected computer ratio (median)	5.8	6.3	4.4	4.8	6	4.9	5.8	6	4.3	5.6	6.9
% of schools by methods to access the Internet...											
Dial-up access²	6.3	6.1	4.0*	23.6*	4.7	14.1	3.8	25.1	16.2	5.4	1.7*
Always on³	82.5	80.5	90.3	78.3	84.6	72.8	83.2	77.5	73.9	81.6	88
Cable modem	15.3	17.1	9.8	12.0**	16.7	8.5	15	17.8	12.8	17.3	15.2
High-speed line (ISDN/DSL) or Frame relay	28	27.1	27.7	48.2	29.5	20.7	24.6	53.2	32.1	25.3	27.8
T1 line	15	12.3	25.5	9.6**	15	15.2	16.6	3.2**	16.8	14	14.8
Optical fibre	23.4	21.6	33.2	x	25.7	12.1	26.2	F	12	22	30.7
Fixed wireless (terrestrial) devices	6.9	7.2	6.3*	x	5.1	15.8	7.4	3.3**	8	7.7	5.8
Satellite connection	3.9	4.3	2.7**	x	2.9	8.3	4	x	3.9*	6.4	1.9*
Unknown type	14.3	16.4	8.8	x	13.5	18.1	16.1	x	15	16.5	12.2
% of schools with Intranet...	80	81.4	81.1	50.4	80.9	75.5	86.4	41.7	64.6	83.6	86.5
Internal to the school network	32.7	32.2	33	39.5	32.9	32	31.5	39.7	33.8	33.7	31.3
Internal to the school jurisdiction's network	58.4	61.2	57.7	13.8*	59.5	52.9	67.6	2.8**	38.5	62.8	66.9
Internal to the provincial/territorial education system's network	3.2	3.7	1.9**	x	3.2	3.1*	3.6	x	3.0*	4.8	2.0*
% of schools with Website	74.7	72	87.5	58.9	76.9	64.6	75.5	70.1	64.7	73.2	82
Formal corporate/administrative site	54.6	52.8	61.7	49.8	56.3	46.7	55	52.4	49.1	55.4	57.3
Non-administrative/informal site	40.4	37.3	53.8	27.6	41.6	34.8	42.1	30.5	27.7	36.6	51.1
% of schools by proportion of teachers or students with e-mail accounts ...											
Teachers...											
Less than 25%	8.8	7.8	8	30.6	8.5	10.2	3.8	46	19.4	7	4.2
From 25% to 49%	1.8	1.7*	x	9.8**	1.9*	x	1.0*	8.4*	4.3*	1.4**	x
From 50% to 74%	2.2	2.1*	2.5**	x	2.5	x	1.8*	5.7*	3.7*	1.4**	2.0*
75% or more	87.1	88.3	88.8	56.5	87.1	87.2	93.5	39.9	72.6	90.1	93
Students...											
Less than 25%	81.6	83.9	74.1	77.5	81.9	79.9	81.3	84	83.3	79.1	82.5
From 25% to 49%	3.2	3.7	x	x	3.2	2.8**	3.1	F	2.9*	4.4*	2.4*
From 50% to 74%	2.6	2.7	x	x	2.5	2.6**	2.3	4.1**	2.1**	2.8*	2.6*
75% or more	12.7	9.7	23.3	12.8**	12.3	14.7	13.2	8.6*	11.7	13.7	12.5
% of schools with students participating in online courses ...											
Through a virtual school	11.4	2.4	42.9	14.5*	11.8	9.7	12.2	7.0*	9.5	9.3	14.2
Through electronic or online courses developed by the school board/district/jurisdiction/province or territory	4.3	1.2*	15	x	4.3	4.4*	4.7	x	3.0*	3.3*	5.8
Through electronic or online courses developed by another board/district/jurisdiction/province or territory	6.7	0.7**	28.7	x	7	5.6*	7.4	F	4.2*	5.9	8.9
Other	2.5	0.7**	8.9	x	2.5	2.6**	2.6	x	2.8*	2.1*	2.6*
Other	1.9	1.0*	4.8*	x	2	1.7**	2	x	2.5*	1.2**	2.1*



**Table C-2**  
**Connectedness, school year 2003-04**  
**Manitoba**

	All schools	Instructional Level of Schools			Location		Type		Size		
		Elementary	Secondary	Mixed	Urban	Rural	Public	Private	Small	Medium	Large
% of schools with Internet-connected computers	91.1	95.8	100	77.9	95.4	85	93.3	70.6	81.8	98.3	99
Average number of Internet-connected computers	61.7	46	137.5	38	80.4	35.3	65.3	33.6*	25.2	75.8	111.7
% of Internet-connected computers... by type...											
Desktop	96.5	95.8	98.4	93.5	96.3	97.3	97.2	84.7	96.5	97.3	95.8
Laptops and Notebooks	3.5	4.2	1.6	F	3.7*	2.7	2.8	F	3.5	2.7	4.2**
by processor speed¹...											
Low speed	24.8	29.6	20.4	26	25	24.3	25.7	F	29.3	24.7	23.1
Medium speed	53.5	45.4	61.1	51.4	52.6	56.5	53.7	52.1*	49.5	49.6	58.6
High speed	20.9	24	18.2	21.1*	21.6	18.6	19.8	39.7**	20.3	24.8	17.8
Other speed	0.7**	1.0**	x	x	0.7**	x	0.8**	x	x	0.9**	x
by location...											
Classrooms and portables	35.2	39.8	29.3	40.3	36.7	30.7	34.9	47.3*	35.9	32.5	37.4
Computer labs	52.8	47.7	58.6	49.4	52	55.6	53.2	38.8	51.1	56.7	50.2
Libraries	6.9	7	7.1	6.1	6.7	7.5	6.9	6.8	7.8	6.5	6.8
Other location	5	5.5	5	4.1	4.7	6.2	4.9	7.1**	5.2	4.2	5.7
Student to Internet-connected computer ratio (median)	4.2	4.6	3.6	4.1	4.8	3.3	4.2	5.8	3.3	4.5	6
% of schools by methods to access the Internet...											
Dial-up access²	17.3	12.5	x	39.5	5.2*	36.8	16.4	x	34.6	6.5*	x
Always on³	86.4	89	98.2	70.3	94.3	73.7	87.7	72.9	71.6	95.7	96.6
Cable modem	7.5	7.2*	7.8**	7.7**	8.2*	6.3*	5.7*	x	10.5*	6.0**	x
High-speed line (ISDN/DSL) or Frame relay	35.6	36.3	45.5	24.9	42.4	24.5	36.4	x	26.7	39.5	44
T1 line	7	6.0*	11.9**	x	7.8*	5.6**	6.6	x	4.4**	10.7*	x
Optical fibre	5.2*	7.0*	x	x	7.1*	x	5.3*	x	x	8.6*	x
Fixed wireless (terrestrial) devices	25.7	26.2	34.7	16.6*	29.9	18.9	26.8	x	20	28.8	30.5
Satellite connection	14.6	13.2	8.3*	23	9.8	22.3	15.9	x	12.5	14.4	18
Unknown type	2.9*	3.3**	x	x	3.2**	x	2.9*	x	x	x	x
% of schools with Intranet...	62.2	68.2	72.4	46.7	67.1	55.5	64.9	37.3*	48.8	74.8	71.8
Internal to the school network	44.4	47.5	51.4	35.3	47	40.7	44.9	33.7*	35.2	53.6	50.3
Internal to the school jurisdiction's network	25.9	27.9	36	16.4	30.2	19.9	29.8	x	17.3	35.8	29.6
Internal to the provincial/territorial education system's network	3.1*	x	x	x	3.1**	x	3.2*	x	x	x	x
% of schools with Website	73.6	82.5	90.8	48.8	84.9	57.9	77.8	40.4*	54	88.1	91.3
Formal corporate/administrative site	51.6	56.6	70.2	32.1	61.2	38.3	54.6	29.2*	37.5	61.9	64.6
Non-administrative/informal site	41.6	45.1	54.4	28.1	52.2	27	43.8	21.4**	24.1	54.7	57.4
% of schools by proportion of teachers or students with e-mail accounts ...											
Teachers...											
Less than 25%	7.9	10.5*	x	8.3**	7.9*	7.9*	5.3*	x	11.1*	5.7**	x
From 25% to 49%	4.5*	5.5*	x	x	3.8*	5.7**	4.4*	x	8.0*	x	x
From 50% to 74%	4.4*	x	6.5**	x	x	8.0*	4.5*	x	5.6**	5.6**	x
75% or more	83.1	80.8	85.7	85.3	86.1	78.4	85.8	66.3	75.3	85.7	91.7
Students...											
Less than 25%	62.5	62.9	53.9	69.2	53.3	77.1	60.7	68.7	75.6	54	53.6
From 25% to 49%	6.1	6.2*	x	10.5**	6.8*	5.0**	6.3	x	5.4**	6.5**	6.8**
From 50% to 74%	4.2*	4.9*	x	x	5.8*	x	4.2*	x	x	x	7.5**
75% or more	27.1	25.9	45.2	13.8*	34	16.1	28.7	x	16.3	35.9	32.1
% of schools with students participating in online courses ...											
Through a virtual school	18.9	x	42.1	29.7	15.2	24.2	19.4	x	18	18.7	21
Through electronic or online courses developed by the school board/district/jurisdiction/province or territory	2.1**	x	x	x	x	x	x	x	x	x	x
Through electronic or online courses developed by another board/district/jurisdiction/province or territory	14.1	x	38	19.5	11.6	17.7	15.2	x	13.4	13.3	16.8
Other	7.2	x	14.4*	12.5*	6.3*	8.3*	7.5	x	5.2*	7.5**	10.4*
	1.8**	x	x	x	x	x	2.0**	x	x	x	x

**Table C-2**  
**Connectedness, school year 2003-04**  
**Saskatchewan**

	All schools	Instructional Level of Schools			Location		Type		Size		
		Elementary	Secondary	Mixed	Urban	Rural	Public	Private	Small	Medium	Large
% of schools with Internet-connected computers	97.3	98.7	98.7	94.7	97.7	96.7	98.2	77.6*	93.2	99.5	100
Average number of Internet-connected computers	54.5	48.7	104.9	37.6	66.9	37.4	55.5	18.9**	29.6	55.6	96.9
% of Internet-connected computers... by type...											
Desktop	96.9	97.4	96.5	96.7	97.2	96.3	96.9	99.4	97.3	98.1	95.3
Laptops and Notebooks	3.1	2.6*	3.5*	3.3*	2.8	3.7*	3.1	x	2.7*	1.9	4.7*
by processor speed¹...											
Low speed	21	26.4	13	22.8	19	25.9	20.6	x	25.2	22.6	16.8
Medium speed	47.2	41.9	51	50.8	47.8	45.8	47.2	x	53.2	42.5	49.5
High speed	25.5	20.7	31.4	25.3	24.8	27.2	25.7	x	18.3	25.4	29.5
Other speed	6.3	11.0*	F	x	8.5*	F	6.5	x	3.3**	9.5*	x
by location...											
Classrooms and portables	36.5	48.2	29.6	26.6	40.2	27.5	36.4	x	29.2	40.5	35.7
Computer labs	48.2	37.5	54.9	57	45.6	54.8	48.4	x	52.9	44.7	49.9
Libraries	9.1	8.1	9.7	9.9	8.2	11.3	9.1	x	11.4	8	9.1
Other location	6.2	6.2	5.9	6.5	6	6.5	6.1	x	6.5	6.8	5.3
Student to Internet-connected computer ratio (median)	4	4.9	3.8	3.3	4.8	3.3	4	3.4	3.3	4	5.4
% of schools by methods to access the Internet...											
Dial-up access²	7.1	4.1*	x	12.8*	x	15.1*	6.9*	x	14.1*	4.1**	x
Always on³	92.2	88.6	100	93	92.8	91.4	91.9	100	90.1	94.9	89.8
Cable modem	5.3	6.8*	10.3*	x	9.2	x	4.8*	x	6.7*	x	x
High-speed line (ISDN/DSL) or Frame relay	58.5	55.6	64	59.7	60.5	55.7	58.1	x	51	67.2	52.2
T1 line	8.1	10.6*	10.3*	x	11	4.2**	8.1	x	6.7*	6.3*	14.8**
Optical fibre	9.3	9.8*	22	x	15.1	x	9.3	x	x	9.9	17.5*
Fixed wireless (terrestrial) devices	5.7	3.9**	8.5**	6.8**	5.3*	6.3**	5.6	x	5.3**	4.3**	9.6*
Satellite connection	12.2	6.2*	x	25.2	x	27	12.6	x	19.9	11.4	x
Unknown type	7	9.9*	x	6.7*	7.6*	6.1*	7.2	x	4.6*	6.9*	11.5**
% of schools with Intranet...	65	70.3	81.7	50.5	74.9	52	65.5	x	48	75.7	76.6
Internal to the school network	39.2	35.8	54.8	36.5	41.9	35.6	38.8	x	31.9	41.8	48.3
Internal to the school jurisdiction's network	29.2	37.6	34	16	40.4	14.4	30.2	x	14	38.3	40.1
Internal to the provincial/territorial education system's network	15.6	14.8	18.3*	15.3	15.3	16	15.6	x	10.3	18.3	20.7*
% of schools with Website	76.6	81.2	90.2	64.3	85.4	65	77.6	57.2**	60.1	88.2	86.7
Formal corporate/administrative site	42.1	43.8	49.8	36.3	47.3	35.2	42.5	x	30.3	52	46
Non-administrative/informal site	53.2	60.7	56.3	41.9	61.1	42.8	54.1	x	41.3	59.4	64.8
% of schools by proportion of teachers or students with e-mail accounts ...											
Teachers...											
Less than 25%	3.1*	x	x	x	x	F	3.0**	x	5.2**	x	x
From 25% to 49%	3.8*	x	x	x	3.6*	F	3.6*	x	6.6**	x	x
From 50% to 74%	2.1**	x	x	x	x	x	2.2**	x	x	x	x
75% or more	91	93	88.3	89.5	92.6	88.8	91.2	90	86.2	94.1	92.8
Students...											
Less than 25%	70.6	69.4	64.5	75.2	65.7	77.3	70.4	87.5	72.9	68.9	70.2
From 25% to 49%	2.0*	x	x	x	x	3.5**	1.8**	x	x	x	x
From 50% to 74%	3.3*	x	x	5.7*	3.2**	3.5**	3.2*	x	x	3.6**	x
75% or more	24.1	25.7	34.4	17.0*	30.2	15.7	24.7	x	24	25.6	20.9*
% of schools with students participating in online courses ...											
Through a virtual school	27.7	7.2*	60.9	39.1	21.1	36.1	27.4	x	19.5	33.7	31.4
Through electronic or online courses developed by the school board/district/jurisdiction/province or territory	7.2	x	17.2*	8.5*	7.3	7.2*	7.4	x	6.2*	4.8*	14.1*
Through electronic or online courses developed by another board/district/jurisdiction/province or territory	16.6	4.1**	34.9	24.4	12.9	21.3	16.8	x	11.2*	18.2	24
Other	10.5	x	26.6	14.6	7.9	14	10.2	x	7.5*	15.4	x
Other	1.5**	x	x	x	x	3.0**	1.4**	x	x	x	x

**Table C-2**  
**Connectedness, school year 2003-04**  
**Alberta**

	All schools	Instructional Level of Schools			Location		Type		Size		
		Elementary	Secondary	Mixed	Urban	Rural	Public	Private	Small	Medium	Large
% of schools with Internet-connected computers	95.9	98	99.5	90.4	97.2	91.4	96.8	88.1	88.8	98.7	100
Average number of Internet-connected computers	69.1	56.5	112.9	50.6	75	49.5	73.3	28.6*	28.3	70.9	109.7
% of Internet-connected computers... by type...											
Desktop	93.9	96.3	94.2	89.9	94.6	90.4	94.8	67.9*	96.6	94.3	92.8
Laptops and Notebooks	6.1	3.7	5.8	10.1**	5.4	F	5.2	F	3.4	5.7	7.2*
by processor speed¹...											
Low speed	20.8	24.9	17.9	20.1	20.9	20.2	20.6	29.1*	30.8	18.8	19.6
Medium speed	56.4	51.9	56.8	62.2	56.4	56.5	56.2	60.7	49.2	56.9	58
High speed	22	22	24.8	17.2	22	22	22.5	9.5**	19.9	23.1	21.8
Other speed	0.8*	1.3**	x	F	0.7**	F	0.8*	x	x	1.2**	0.7**
by location...											
Classrooms and portables	33.5	36.3	28.5	38.3	33.1	35.5	32.6	56.2	32.4	31.2	35.5
Computer labs	50.7	48.9	53.4	48.5	50.8	50.3	51.5	28.9*	53	51.9	49.2
Libraries	8.7	8.5	9.8	7.2	9	7.2	8.9	3.8*	7.3	8.6	9.2
Other location	7.1	6.3	8.2	6	7.1	7	6.9	11.1	7.3	8.3	6.1
Student to Internet-connected computer ratio (median)	4.5	5	4.1	4.2	4.7	3.4	4.5	4.2*	3.7	4.5	5.2
% of schools by methods to access the Internet...											
Dial-up access²	11.1	6.9	3.7**	23.1	5.3	32.1	8.8	37.0*	19.4	9	6.3*
Always on³	85.3	87.6	94.6	74.3	90.5	66.5	87.4	63	78.4	86.3	90.1
Cable modem	23.7	27.3	22.9	19.4	28.2	7.5*	24.1	18.7*	19.9	25.9	24.5
High-speed line (ISDN/DSL) or Frame relay	33	36.9	34.2	26.6	39.6	9.2*	32.8	37	27.3	32.1	38.9
T1 line	6.2	4.2	12.2	3.9**	7.2	x	6.4	x	4.3**	5.2*	9
Optical fibre	11.7	10.7	18.7	7.2*	12.5	8.7*	12.9	x	12.2	10.1	13.1
Fixed wireless (terrestrial) devices	13.8	13.2	13.3	15.2	10.4	26.1	14.3	x	11.5	15.3	14.2
Satellite connection	4.7	2.2*	x	10.5*	1.2**	17.3	4.9	x	7.2*	4.4*	2.8**
Unknown type	7.8	11.1	3.8**	6.5*	7.2	10.0*	8.4	x	7.9	7.8	7.7
% of schools with Intranet...	78.5	86.5	85.2	62.9	81.5	68.6	82.6	40.5	61.9	87.1	86.2
Internal to the school network	29.3	27.5	32.3	29.5	29.6	28.5	29.3	29.7*	21.4	33.8	32.7
Internal to the school jurisdiction's network	62	73.5	66.8	43.2	64.9	52.5	67.6	10.2**	48.5	68.3	69.3
Internal to the provincial/territorial education system's network	12.5	15.5	7.3*	12.6	13	10.8	13	8.6**	10.4	16	10.7
% of schools with Website	74.5	78.2	84.1	62.3	79	59.6	76.9	49.3	54.3	82.8	87.2
Formal corporate/administrative site	56.2	56.7	66.4	48	59.8	44.5	59.2	27.2*	42.9	61	65.5
Non-administrative/informal site	41	43.9	49.8	30.6	42.9	34.8	42.9	23.8*	25.5	50	47.6
% of schools by proportion of teachers or students with e-mail accounts ...											
Teachers...											
Less than 25%	4.5	2.4*	x	9.6*	4.1*	6.0**	2.4*	26.7*	6.5**	6.1*	x
From 25% to 49%	1.5**	x	x	x	1.5**	x	x	x	x	x	x
From 50% to 74%	1.4**	1.7**	x	x	1.3**	x	1.0*	x	x	x	x
75% or more	92.5	94.8	96.2	86	93.1	90.6	95.9	56.2	89	91.1	97.8
Students...											
Less than 25%	71.3	77.4	63.4	69	74	61.1	69.8	86.4	70.1	68.2	76
From 25% to 49%	1.8*	1.6**	x	3.9**	1.7*	x	1.9*	x	x	3.3*	x
From 50% to 74%	1.6*	2.2*	x	x	1.3*	x	1.8*	x	2.5**	x	x
75% or more	25.3	18.8	35.5	25.7	23	33.5	26.5	x	26.4	27.2	21.9
% of schools with students participating in online courses ...											
Through a virtual school	8.9	3.1*	13.4	12.7	7.6	13.1	8.5	F	6.1*	8.2	12.7
Through electronic or online courses developed by the school board/district/jurisdiction/province or territory	9.2	1.7**	19	11.1	8.2	12.5	9	11.7**	5.5*	8.6	13.9
Through electronic or online courses developed by another board/district/jurisdiction/province or territory	6.3	x	11	9.5*	5.7	8.5*	5.5	12.7**	5.9**	4.8*	8.5
Other	2.8	x	7.4*	x	3.1*	x	2.7	x	x	3.4*	2.3**

**Table C-2**  
**Connectedness, school year 2003-04**  
**British Columbia**

	All schools	Instructional Level of Schools			Location		Type		Size		
		Elementary	Secondary	Mixed	Urban	Rural	Public	Private	Small	Medium	Large
% of schools with Internet-connected computers	98.3	98.1	99.1	97.2	98.2	98.7	99.7	92	95.6	99.3	100
Average number of Internet-connected computers	61.9	43	116.2	47.1	66.4	44.5	67.1	36.6	26.1	57.4	107.9
% of Internet-connected computers... by type...											
Desktop	95	94.4	97	86.2	95.6	91.6	95.5	88.9	94.9	96	94.5
Laptops and Notebooks	5	5.6	3	13.8*	4.4	8.4*	4.5	11.1**	5.1*	4.0*	5.5
by processor speed¹...											
Low speed	26.7	32.8	22.7	15.1	26.7	26.9	28	13	33.1	27.9	24.3
Medium speed	58.9	55	62.2	61.5	58.6	60.5	59.3	53.2	54.7	58.9	60
High speed	13.5	10.5	15	23.0*	13.7	12.5*	11.8	33.2	11.1	12.7	14.7
Other speed	0.9**	1.7**	x	x	1.0**	x	0.9**	F	F	F	F
by location...											
Classrooms and portables	31	31.8	30.5	29.8	30.7	32.7	31.3	30.4	29.6	31.3	31.2
Computer labs	54.2	54.9	54.2	50	54.5	52.8	54.5	51.9	56.1	53.8	54
Libraries	8.5	7.7	9.5	7.6	8.6	8.2	8.4	9.5	8.1	9.4	8.1
Other location	6.2	5.6	5.9	12.6**	6.2	6.2	5.9	8.1*	6.2	5.4	6.7
Student to Internet-connected computer ratio (median)	5.6	6	5	3.8	6	3.6	5.4	7.1	3.8	5.6	6.8
% of schools by methods to access the Internet...											
Dial-up access²	6.4	6	x	19.6*	4.1*	15.4	4.2	18.7*	12.7	4.0**	x
Always on³	87.4	86	91.9	84	90.4	75.5	88.3	82.5	77.3	93	90.9
Cable modem	22.5	22.9	17.7	32.6	23.5	18.5	21	30.5	21.3	25.6	19.9
High-speed line (ISDN/DSL) or Frame relay	38.4	43.1	29.8	29.1	41.2	27	36.6	48	30.8	42.4	41.3
T1 line	17.2	13	30.9	x	18.8	10.7*	19.6	x	15.2	17.1	19.5
Optical fibre	6.2	4.6*	11.1	x	7.2	x	6.7	x	x	5.6*	11.6
Fixed wireless (terrestrial) devices	7.4	7.3	8.0*	x	5.5	15.3	8.3	x	13.4	4.3**	5.1**
Satellite connection	2.4*	1.7**	x	x	1.2**	7.1**	2.7*	x	x	3.9**	x
Unknown type	9.3	10.4	8.8*	x	8.8	11.4*	10.5	x	13.3	6.6*	8.5*
% of schools with Intranet...	74.2	73.8	80.1	61.7	74.8	71.9	78.9	54.4	61.8	73.6	89.2
Internal to the school network	39.8	36.7	45.6	47.1	40.6	36.8	37.6	54.4	35.4	41.1	43.3
Internal to the school jurisdiction's network	34.8	39.2	32.2	9.5**	35.8	30.8	41.6	x	25.5	34.9	45.2
Internal to the provincial/territorial education system's network	22.4	22.4	27.2	9.8**	23.2	19.2	26.7	x	16.1	24.1	27.4
% of schools with Website	78.6	78.1	81.9	73.5	81.8	66.4	80.3	71.7	65.4	81.7	90.3
Formal corporate/administrative site	55.7	56.1	53.9	57.8	58.1	46.4	56.2	56	44.2	58.4	65.8
Non-administrative/informal site	47	43.2	60.2	37.3	49.3	38.1	49.5	33	33.8	52.6	55.3
% of schools by proportion of teachers or students with e-mail accounts ...											
Teachers...											
Less than 25%	6.1	6.6	x	13.0**	6.1	6.4*	2.0**	27.1	7.7*	5.6*	4.9**
From 25% to 49%	5	4.9*	4.0**	x	4.9	5.3**	3.7*	12.0*	3.7**	7.4*	3.4**
From 50% to 74%	5.6	6	x	9.0**	5.4	6.2**	4.6*	9.3**	6.0*	5.4*	5.1**
75% or more	83.3	82.5	90.6	69.7	83.6	82.1	89.8	51.6	82.5	81.5	86.6
Students...											
Less than 25%	81.7	86	73.1	74	80.8	85.2	81.1	87.7	86.2	78.9	80.2
From 25% to 49%	1.7*	2.1**	x	x	1.5**	x	1.8**	x	x	x	x
From 50% to 74%	2.5*	2.3**	x	x	2.6*	x	2.4*	x	x	x	3.2**
75% or more	14.1	9.6	25.7	15.4*	15.2	10.0*	14.6	8.7**	10.1	17.1	14.7
% of schools with students participating in online courses ...											
Through a virtual school	3.1*	2.3**	5.7*	x	3.2*	x	3.5*	x	x	2.6**	5.0*
Through electronic or online courses developed by the school board/district/jurisdiction/province or territory	12.6	3.2*	34.3	19.3*	13.1	10.7*	14.3	x	12.4	8.0*	18.6
Through electronic or online courses developed by another board/district/jurisdiction/province or territory	7.8	2.8*	19.1	12.7**	7.1	10.8*	8.9	x	6.3*	6.9*	10.8
Other	2.5*	2.1**	3.6**	x	2.4*	x	3.0*	x	2.7**	x	x





