# State of the Nation: K-12 E-Learning in Canada

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Ministry of Education and Child Care

**Open School BC** 







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State of the Nation: K-12 E-Learning in Canada



### State of the Nation:

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N-12 E-LEADNING IN CANADA BALL EDITION













































The purpose of this comprehensive study is to examine the current state of all forms of K-12 e-learning (i.e., distance, online and blended learning) in Canada. The State of the Nation: K-12 E-Learning in Canada study updates the provincial, territorial, and federal governance and activity of K-12 e-learning in each jurisdiction, along with providing vignettes to illustrate a variety of those individuals and programs providing these e-learning opportunities.

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# Methodology

- a survey sent to each of the Ministries of Education;
- follow-up interviews to clarify or expand on any of the responses contained in the survey;
- an analysis of documents and other publicly reported information; and
- follow-up interviews with key stakeholders in many of the jurisdictions
- A. an individual program survey

# Methodology

Table 1. Data collection sources for the State of the Nation: K-12 E-Learning in Canada since 2019

	2019	2020	2021	2022	2023
NL	MoE/KS/DA	MoE/KS/DA	MoE/KS/DA	KS/DA	DA
NS	MoE	MoE/DA	MoE/DA	MoE	MoE
PE	MoE/KS	KS/DA	KS/DA	MoE	KS/DA
NB	MoE/DA	MoE/DA	MoE/DA	MoE	MoE
QC	MoE/KS/DA	MoE/KS/DA	MoE/KS/DA	KS	MoE/KS
ON	MoE/KS/DA	MoE/KS/DA	MoE/KS/DA	MoE/KS/DA	MoE/KS/DA
MB	MoE/DA	MoE/DA	MoE/DA	MoE	MoE
SK	MoE/KS	MoE/KS	MoE/KS	MoE/KS	MoE/KS
AB	MoE/KS/DA	MoE/KS/DA	MoE/KS/DA	KS/DA	KS/DA
BC	MoE/KS/DA	MoE/KS/DA	MoE/KS/DA	MoE	MoE
YT	KS	MoE/KS/DA	KS/DA	MoE/KS	MoE
NT	MoE/KS	MoE/KS/DA	MoE/KS/DA	MoE/DA	MoE
NV	KS/DA	MoE/KS/DA	MoE/KS/DA	DA	DA
Federal	KS/DA	ISC/KS/DA	ISC/KS	ISC/KS	ISC/KS

MoE – Ministry of Education; KS – Key stakeholders; DA – Document analysis;

INAC - Indigenous and Northern Affairs Canada/ISC - Indigenous Services Canada

Shaded block indicates incomplete data or data from an earlier school year provided

# Regulation

Table 4. Summary of the K-12 distance and online learning regulation by jurisdiction

	Legislation	Policy Handbook	Agreements	Memorandum of Understanding
NL				
NS	✓			
PE	✓			
NB		✓		
QC	<b>✓</b>		<b>V</b>	
ON		✓	1	
МВ	<b>✓</b>	✓		✓
SK	<b>✓</b>			
AB	✓	✓		
вс	✓		V	
YT	✓			✓
NT	<b>✓</b>	✓		✓
NV	~			✓
Federal	✓			

Figure 1. Types of K-12 distance and online learning programming across Canada



It is important to readers that the distinction between "primarily district-based programs" and "combination of provincial and district-based programs" is becoming quite blurred. For example, in Alberta while there isn't a single English-language provincial program whose mission is focused on serving students province-wide, the changes to the funding mechanism in Alberta encourage all district-based distance learning programs to enroll students from outside of their own geographic region. The same is true for online schools in Saskatchewan. Even the district-based programs that operate at the school board level in Ontario have the ability to enroll students from anywhere in the province.

Figure 1. Types of K-12 distance and online learning programming across Canada



FIGURE 3: States with state virtual schools. Alaska, Texas, Utah, and South Dakota previously were states recognized as having state virtual schools in Keeping Pace reports.

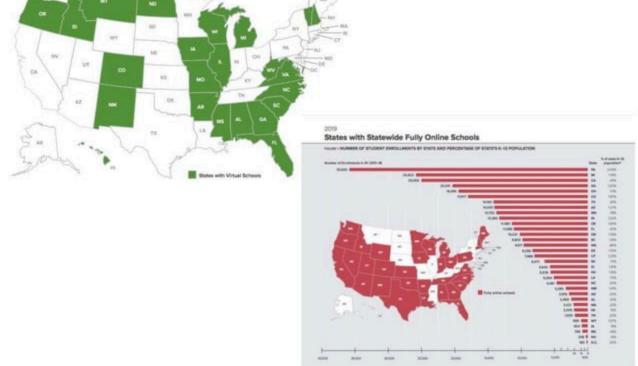


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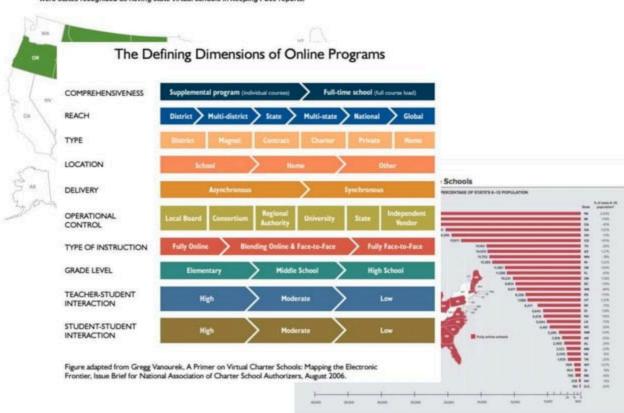


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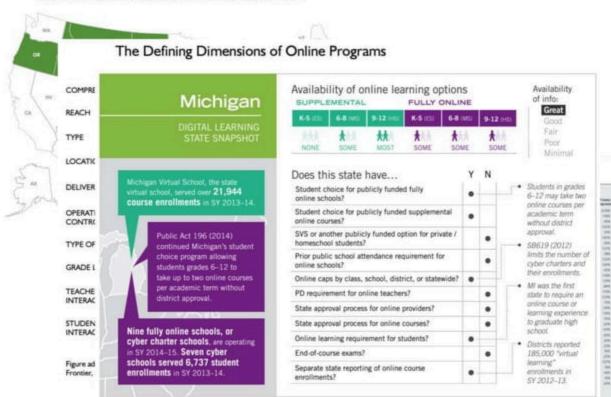


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# DIGITAL LEARNING ACTIVITY

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Figure 1. Types of K-12 distance and online learning programming across Canada



#### The Defining Dimensions of Online Programs



Figure adqued from Gregg Vanourek, A Primer on Virtual Charter Schools Mapping the Electronic Frontier, Issue Brief for National Association of Charter School Authorizers, August 2006.



Table 5. Summary of K-12 distance and/or online learning activity by jurisdiction for 2022-23

	# of K-12 students	# enrolled in distance/ online learning	Percent involvement
NL	63,805	~950	1.5%
NS	131,343	2,219	1.7%
PE	20,131	~175	0.8%
NB	102,934	~5,451	5.3%
QC	1,137,766	~50,000	4.4%
ON	2,028,688	~130,000	6.4%
MB	207,814	~6,650	3.2%
SK	189,924	15,521	8.2%
AB	766,280	~77,000	10.0%
BC	680,013	68,402	10.1%
YT	5,960	318	5.3%
NT	8,700	177	2.0%
NV	10,902	- 1	-
Federal	114,158	~3,500	3.0%
Total	5,468,418	~360,363	6.6%

Note: ~ symbol means that approximations were provided by one or more sources

Table 6. K-12 distance and/or online learning student enrolment in Canada

Year	# of distance education students	% of students engaged in distance education
1999-2000*	~25,000	0.5%
2008-09	~140,000	2.7%
2009-10	150,000-175,000	2.9%-3.4%
2010-11	207,096	4.2%
2011-12	245,252	4.9%
2012-13	284,963	5.2%
2013-14	290,185	5.4%
2014-15	311,648	6.0%
2015-16	293,401	5.7%
2016-17	277,603	5.4%
2017-18	263,686	5.1%
2018-19	299,320	5.9%
2019-20	310,582	6.0%
2020-21	387,385	7,3%
2021-22	399,847	7.6%
2022-23	~360,363	6.6%

<sup>\* (</sup>Canadian Teachers Federation, 2000)

Table 7. Summary of K-12 distance and/or online learning activity over the past five years

	2018-19	2019-20	2020-21	2021-22	2022-23
NL	1,140	1,092	1,029	936	~950
NS	2,381	2,241	3,319	2,761	2,219
PE	~100	133	~175	~260	~175
NB	~3,270	~3,470	4,754	5,134	~5,451
QC	~40,000	~35,000	~39,400	~55,000	~50,000
ON	~89,000	~98,000	~122,000	~139,000	~130,000
MB	~11,875	~13,749	~8,173	~8,000	~6,650
SK	8,378	12,456	22,510	19,142	15,521
AB	75,806	82,857	97,527	~92,000	~77,000
BC	~65,000	~59,000	~85,000	73,744	68,402
YT	170	234	389	~250	318
NT	130	131	92	120	177
NV	~70	19	~15	-	-
Federal	~2,000	~2,200	~3,000	~3,500	~3,500
Total	299,320	310,582	387,385	399,847	~360,363

Table 8. Summary of K-12 distance and/or online learning activity over the past five years

	2018-19	2019-20	2020-21	2021-22	2022-23
NL	1.8%	1.7%	1.6%	1.5%	1.5%
NS	2.0%	1.8%	2.7%	2.1%	1.7%
PE	0.5%	0.7%	0.8%	1.3%	0.8%
NB	3.3%	3.5%	4.8%	5.2%	5.3%
QC	4.0%	3.5%	3.9%	5.5%	4.4%
ON	4.4%	4.8%	5.9%	6.8%	6.4%
MB	5.7%	6.6%	4.4%	3.9%	3.2%
SK	4.5%	6.7%	12.2%	10.3%	8.2%
AB	10.6%	11.2%	13.3%	12.5%	10.0%
BC	10.2%	10.8%	12.6%	11.1%	10.1%
YT	3.1%	4.2%	7.1%	4.6%	5.3%
NT	1.4%	1.5%	1.1%	1.4%	2.0%
NV	0.6%	0.2%	0.1%	-	7.75
Federal	1.9%	2.0%	2.8%	3.2%	3.0%
Total	5.9%	6.0%	7.3%	7.6%	6.6%

Table 9. Summary of K-12 distance and/or online learning activity over the past five years

	2018-19	2019-20	2020-21	2021-22	2022-23
NL	1	1	2	2	1
NS	2	2	2	2	2
PE	0	0	1	1	1
NB	2	2	2	2	3
QC	5+	6+	7+	44+	6+
ON	~81	~70	~70	248	527
MB	~38	~38	~38	~38	~38
SK	14	16	27	36	38
AB	33	34	36	46	46
BC	74	69	68	71	69
YT	2	2	2	2	2
NT	1	1	1	1	2
NV	0	0	0	0	0
Federal	5	5	4	4	4

# **Activity: Blended Learning**

	# students enga	ged in blended lear	ning
	2015-16	2016-17	2017-18
NL	10,905*	~8,000*	~9,000*
NS	~54,000*	~54,000*	97,575*
PE	-	-	-
NB	4171**	5,917**	~7,000**
QC	44,500**	~5,300***	~21,300***
ON	237,930*	~468,000*	~515,000*
MB		24***	-
SK	-	1895***	~11,500***
AB	-	1463***	~3071***
BC	6578***	~6,300***	~9,500***
YT	653**	830**	907**
NT		-	~100**
NU		-	
Federal	•••	638**	531*
Total	358,737	657,985	664,134

<sup>\*</sup> Estimate based on learning management system data

<sup>\*\*</sup> Data provided by Ministry

<sup>\*\*\*</sup> Data extracted from individual program survey response

# **Activity: Remote Learning**



CANeLearn Remote Learning Research site - <a href="https://sites.google.com/view/canelearn-ert/">https://sites.google.com/view/canelearn-ert/</a> CANeLearn Research Projects - <a href="https://canelearn.net/home/research/projects/">https://canelearn.net/home/research/projects/</a>

### **General Trends**

- Getting to a "new normal"
  - Greater interest in K-12 online learning
    - Greater awareness ≠ Greater knowledge
    - Return to pre-pandemic growth levels
  - Fruition of long-standing review processes and the implementation of new ecosystems in light of those reviews
  - Greater movement towards centralized services or programs
- Continue to be outliers on each of these points



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Your Questions and Comments



### 3.1 Newfoundland and Labrador (NL)

525,972 Population

252 Number of K-12 Schools

63,805 Number of K-12 Students

Number of K-12 E-Learning Programs

~950 Number of K-12 E-Learning Students



no Ministerial update

- Moving school districts into department
  - sole distance learning provider was operated by English school district

### 3.2 Nova Scotia (NS)

1,019,725 Population

370 Number of K-12 Schools

131,343 Number of K-12 Students

2 Number of K-12 E-Learning Programs

2,219 Number of K-12 E-Learning Students



- activity in Nova Scotia Virtual School is consistent
- introduced new Nova Scotia Independent
   Online Learning program to replace the old
   Correspondence Studies Program

### 3.3 Prince Edward Island (PE)

159,249 Population

63 Number of K-12 Schools

20,131 Number of K-12 Students

Number of K-12 E-Learning Programs

~175 Number of K-12 E-Learning Students



### no Ministerial update

- appear to be re-establishing internal distance learning program focused on French-language offerings
- continue to use New Brunswick programming

### 3.4 New Brunswick (NB)

781,024 Population

302 Number of K-12 Schools

102,934 Number of K-12 Students

3 Number of K-12 E-Learning Programs

~5,451 Number of K-12 E-Learning Students



- activity in English and French programs is consistent
- Advanced Placement pilot continues

### 3.5 Quebec (QC)

8,672,185 Population

3,146 Number of K-12 Schools

1,137,766 Number of K-12 Students

6+ Number of K-12 E-Learning Programs

~5,000+ Number of K-12 E-Learning Students



- impact of the Karounis c. Procureur Général du Québec decision
- pilot programs continue but data is unavailable

Comodal – This mode involves one or more students face-to-face and at a distance. The remote student follows the course simultaneously with the students of the class with the consent of all persons concerned, if applicable.

Comodal asynchronous alternation – This mode offers the possibility of following online courses offline (asynchronous) and sometimes take lessons simultaneously with their class (comodal) with the consent of all persons concerned, if applicable.

### 3.6 Ontario (ON)

15,109,416 Population

4,832 Number of K-12 Schools

2,028,688 Number of K-12 Students

527 Number of K-12 E-Learning Programs

~130,000 Number of K-12 E-Learning Students



- students graduating in the 2023-24 school year will be held to the requirement of having completed two online courses in order to graduate in June 2024
- data collection continues to lag one or more school years
- extreme growth in private school sector

### 3.7 Manitoba (MB)

1,409,223 Population

826 Number of K-12 Schools

207,814 Number of K-12 Students

~38 Number of K-12 E-Learning Programs

~6,650 Number of K-12 E-Learning Students



- updated provincial policy
  - o only jurisdiction to use term remote learning
- activity at secondary level is consistent
  - ended its K-8 programming

### 3.8 Saskatchewan (SK)

1,194,803 Population

770 Number of K-12 Schools

189,924 Number of K-12 Students

38 Number of K-12 E-Learning Programs

15,521 Number of K-12 E-Learning Students



- implementation of Education Amendment Act, 2023
  - o formalized online learning
  - o created Saskatchewan Distance Learning Corporation
  - o added a quality framework
- growth in number of online providers

### 3.9 Alberta (AB)

4,543,111 Population

2,518 Number of K-12 Schools

766,280 Number of K-12 Students

46 Number of K-12 E-Learning Programs

~77,000 Number of K-12 E-Learning Students



### no Ministerial update

- second straight year that the ministry was no provided data, so level of activity may be dramatically different than reported
- growth in number of online providers
- funding mechanism continues to preference out of district enrollment

### 3.10 British Columbia (BC)

5,437,722 Population

1,950 Number of K-12 Schools

680,013 Number of K-12 Students

69 Number of K-12 E-Learning Programs

68,402 Number of K-12 E-Learning Students



- regulation and designations necessary to implement online learning provisions of Education Statutes Amendment Act, 2020
  - implementation of Provincial Online Learning
     Schools (POLS) and District Online Learning Schools
     (DOLS)
- activity level remains consistent

### 3.11 Yukon (YT)

43,744 Population

33 Number of K-12 Schools

5,960 Number of K-12 Students

2 Number of K-12 E-Learning Programs

318 Number of K-12 E-Learning Students



 activity in both online and blended programs is consistent

### 3.12 Northwest Territories (NT)

45,605 Population

49 Number of K-12 Schools

8,700 Number of K-12 Students

2 Number of K-12 E-Learning Programs

177 Number of K-12 E-Learning Students



- 10-year education renewal process, Education Renewal and Innovation, was launched in 2013
  - the Northern Distance Learning was a significant part in achieving those priorities, as such it will undergo a formal evaluation in 2023-2025
- activity level remains consistent

### 3.13 Nunavut (NV)

39,407 Population

45 Number of K-12 Schools

10,902 Number of K-12 Students

0 Number of K-12 E-Learning Programs

Unknown Number of K-12 E-Learning Students



no Ministerial update

no data since 2020-21 school year

### 3.14 Federal

1,807,2501 Population

5172 Number of K-12 Schools

~114,1583 Number of K-12 Students

4 Number of K-12 E-Learning Programs

3,500 Number of K-12 E-Learning Students

1 2021 Census data

2 refers to those reporting a 2022-23 nominal roll directly to ISC



Resolution No. 16/2016 passed by the Chiefs Council on Education (CCOE), Indigenous Services Canada (ISC) engaged with the Assembly of First Nations (AFN) called upon the Government of Canada to engage in an Honourable Process to Develop Recommendations to support First Nations Education Reform

- ceased providing program level data following the 2017-18 school year
- at least four K-12 distance/online learning programs designated as Indigenous programs



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