

SCHOOL READINESS TO LEARN FREQUENCIES

Early Development Instrument Data Collection for the Kindergarten Students in 2001

Early Development Instrument 2000/2001 Cohort Results

This report consists of two sets of tables. The first set, "Frequencies", reports on the frequencies of the demographic and community variables as reported on pages 1 and 8 of the EDI, including age, gender, type of class, etc. The second set of tables, "Comparisons", includes means and statistical comparisons between groups as identified by the demographic and community variables.

The frequencies are reported for two samples: full and selected. The full sample consists of all children assessed with the EDI. The selected sample is restricted to children at the Senior Kindergarten level (aged 4.5-6.7 years), and excludes children with identified special needs and those for whom we have missing data. The comparisons are performed only with the selected sample.

The following sites participated in the 2000/1 implementation of the EDI.

Site/Board	N
Abbotsford, BC	1586
Coquitlam-Fraser North, BC	2140
South Eastman, MB	388
Winnipeg, MB	2610
Prince Albert, SK	758
Saskatoon, SK	1458
Mississauga Dixie-Bloor Area, ON	839
Niagara Falls, ON	920
OCDSB, ON	4912
TDSB North, ON	4201
TDSB South, ON	4258
TVDSB, ON	2126
Montreal, QC	1276
Hampton, NB	356
Southwest Newfoundland	327
PEI	1286
Total N	29441

Every caution was used to ensure that the data in this report are accurate.

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Descriptive characteristics of the population

	<i>Full Sample</i> N=29441		<i>Selected Sample</i> N=25487	
	Number	%	Number	%
Gender				
Girl	13904	47.2	12598	48.7
Boy	14888	50.6	13116	50.8
Missing	649	2.2	133	0.5
English as a Second Language (ESL)				
ESL	4205	14.3	3708	14.4
Not ESL	24462	83.1	21980	85.0
Missing	774	2.6	159	0.6
Type of class				
JK	6	0.0	4	0.0
SK	20424	69.4	18291	70.8
JK/SK	7624	25.9	6801	26.3
JK/SK/1	105	0.4	97	0.4
SK/1	613	2.1	546	2.1
Missing	669	2.2	108	0.4
First language				
English	20074	68.2	17954	69.5
French	1016	3.5	905	3.5
Other	7123	24.2	6407	24.8
Missing	1228	4.1	581	2.2
French/Other Immersion				
French Immersion	4104	13.9	3741	14.5
Other Immersion	110	0.4	105	0.4
Regular Class	24539	83.4	21929	84.8
Missing	688	2.3	72	0.3
Special Needs (SN)				
SN	1072	3.6	0	0.0
Not SN	26993	91.7	25487	100.0
Missing	1376	4.7	0	0.0
Aboriginal				
Aboriginal	1319	4.5	1015	3.9
Not Aboriginal	27379	93.0	24719	95.6
Missing	743	2.5	113	0.5

Age composition

Please note: Age (at the time of testing) was divided into 3-month intervals. The categories are expressed as year-months of age: for example, 5-11 means age 5 years 11 months. Months were rounded down for ages less than 15 days, and up for more than 15 days. That means that children aged less than 6 years 1.5 months belong to the 5-11 to 6-1 category, and children aged from 5 years 1.5 months to 5 years 4.5 months belong to the 5-2 to 5-4 category.

Age Category	<i>Full Sample</i>		<i>Selected Sample</i>	
	Number	%	Number	%
3-11 to 4-1	1	0.0	0	0.0
4-2 to 4-4	11	0.0	1	0.0
4-5 to 4-7	16	0.1	1	0.0
4-8 to 4-10	23	0.1	15	0.1
4-11 to 5-1	257	0.9	236	0.9
5-2 to 5-4	4323	14.7	3915	15.1
5-5 to 5-7	7106	24.1	6391	24.7
5-8 to 5-10	7240	24.6	6601	25.5
5-11 to 6-1	6866	23.3	6275	24.3
6-2 to 6-4	2549	8.7	2290	8.9
6-5 to 6-7	142	0.5	95	0.4
6-8 to 6-10	67	0.2	17	0.1
6-11 to 7-1	61	0.2	0	0.0
7-2 and up	3	0.0	0	0.0
Missing	776	2.6	10	0.0

Frequencies of answers to questions in Section D and E

	<i>Full Sample</i>		<i>Selected Sample</i>	
	Number	%	Number	%
D10: Teacher feels that child needs further assessment				
Yes	3674	12.5	2671	10.3
No	23325	79.2	21732	84.1
Missing	2442	8.3	1444	5.6
E1: Child attended an early intervention program				
Yes	1417	4.8	940	3.6
No	20302	69.0	18730	72.5
Missing	7722	26.2	6177	23.9
E3: Child attended any other language or religion classes				
Yes	2267	7.7	2116	8.2
No	13291	45.1	12050	46.6
Missing	13883	47.2	11681	45.2
E4: Child attended an organized part-time pre-school/nursery school				
Yes	6054	20.6	5473	21.2
No	12949	44.0	11736	45.4
Missing	10438	35.4	8638	33.4
E5: Child attended junior kindergarten				
Yes	16575	56.3	15137	58.6
No	9756	33.1	8632	33.4
Missing	3110	10.6	2078	8.0

Frequencies of answers to questions in Section E2

	<i>Full Sample</i>		<i>Selected Sample</i>	
	Number	%	Number	%
E2: Child attended a non-parental care arrangement				
Yes	8708	29.6	7854	30.4
No	13484	45.8	12214	47.3
Missing	7249	24.6	5779	22.3
E2a: Centre-based, licensed, non-profit arrangement				
Yes	2747	9.3	2453	9.5
E2b: Centre-based, licensed, for profit arrangement				
Yes	2661	9.0	2368	9.2
E2c: Other home-based, licensed arrangement				
Yes	1832	6.2	1651	6.4
E2d: Other home-based, unlicensed, non-relative arrangement				
Yes	1468	5.0	1357	5.3
E2e: Other home-based, unlicensed, relative arrangement				
Yes	565	1.9	514	2.0
E2f: Child's home, non-relative arrangement				
Yes	340	1.2	321	1.2
E2g: Child's home, relative arrangement				
Yes	685	2.3	627	2.4
E2i: Type of arrangement				
Full-time	4539	15.4	4083	15.8
Part-time	2885	9.8	2627	10.2
Missing	22017	74.8	19137	74.0

Means, Percentiles, & Group Comparisons for the Selected Sample

Analyses are based on all non-missing cases for each category. Children classified as having special needs were excluded. Please note that higher scores indicate better levels of readiness-to-learn at school.

1. Domain percentiles for selected sample

Scale	Means	Percentiles			
	N=25847	75%	50%	25%	10%
Physical health and well-being	8.77	9.62	9.04	8.13	7.31
Social competence	8.32	9.71	8.85	7.31	5.67
Emotional maturity	8.04	9.07	8.33	7.17	6.00
Language and cognitive development	8.28	9.62	8.85	7.69	5.77
Communication skills and general knowledge	7.70	9.44	8.06	6.39	5.00

2. Girls versus boys

Scale	Means		P
	Girls N=12598	Boys N=13116	
Physical health and well-being	8.90	8.64	0.000
Social competence	8.66	7.99	0.000
Emotional maturity	8.40	7.69	0.000
Language and cognitive development	8.51	8.07	0.000
Communication skills and general knowledge	7.95	7.48	0.000

3. Age of child (mean age is 5.73 years)

Scale	Means		P
	Above the mean age N=13097	Below the mean age N=12750	
Physical health and well-being	8.90	8.63	0.000
Social competence	8.51	8.12	0.000
Emotional maturity	8.17	7.90	0.000
Language and cognitive development	8.57	7.99	0.000
Communication skills and general knowledge	7.96	7.44	0.000

4. English as a Second Language (ESL)

Scale	Means		P
	ESL N=3708	Not ESL N=21980	
Physical health and well-being	8.60	8.80	0.000
Social competence	7.95	8.38	0.000
Emotional maturity	7.83	8.07	0.000
Language and cognitive development	7.65	8.39	0.000
Communication skills and general knowledge	5.76	8.04	0.000

5. Class type

Scale	Means			P
	JK/SK N=6801	SK N=18291	Other N=647	
Physical health and well-being	8.73	8.79	8.66	0.000
Social competence	8.26	8.34	8.27	0.007
Emotional maturity	8.00	8.05	8.00	0.065
Language and cognitive development	8.44	8.22	8.39	0.000
Communication skills and general knowledge	7.56	7.76	7.62	0.000

6. Child's first language: English versus other

Scale	Means		P
	English N=17954	Other N=7312	
Physical health and well-being	8.77	8.78	0.421
Social competence	8.36	8.22	0.000
Emotional maturity	8.07	7.97	0.000
Language and cognitive development	8.34	8.17	0.000
Communication skills and general knowledge	8.06	6.87	0.000

7. Child's first language: English versus French

Scale	Means		P
	English N=17954	French N=905	
Physical health and well-being	8.77	9.14	0.000
Social competence	8.36	8.28	0.138
Emotional maturity	8.07	7.79	0.000
Language and cognitive development	8.34	8.14	0.001
Communication skills and general knowledge	8.06	8.53	0.000

8. French Immersion versus not French Immersion

Scale	Means		P
	French Immersion N=3741	Regular Class & Other Immersion N=22034	
Physical health and well-being	8.91	8.74	0.000
Social competence	8.53	8.28	0.000
Emotional maturity	8.14	8.02	0.000
Language and cognitive development	8.45	8.26	0.000
Communication skills and general knowledge	8.18	7.62	0.000

9. Other Immersion versus not other immersion

Scale	Means		P
	Other Immersion N=105	Regular Class & French Immersion N=25500	
Physical health and well-being	8.95	8.77	0.081
Social competence	8.25	8.32	0.686
Emotional maturity	7.68	8.04	0.015
Language and cognitive development	8.11	8.28	0.337
Communication skills and general knowledge	8.32	7.70	0.042

10. Aboriginal versus not Aboriginal

Scale	Means		P
	Aboriginal N=1015	Not Aboriginal N=24719	
Physical health and well-being	8.09	8.80	0.000
Social competence	7.61	8.35	0.000
Emotional maturity	7.41	8.06	0.000
Language and cognitive development	6.74	8.35	0.000
Communication skills and general knowledge	6.80	7.74	0.000

11. Children who attended an early intervention program

Scale	Means		P
	Early Intervention N=940	No early intervention N=18730	
Physical health and well-being	8.54	8.81	0.000
Social competence	7.88	8.41	0.000
Emotional maturity	7.65	8.09	0.000
Language and cognitive development	7.87	8.28	0.000
Communication skills and general knowledge	7.11	7.77	0.000

12. Children who attended any other language/religion classes

Scale	Means		P
	Lang/Rel Class N=2116	No lang/rel class N=12050	
Physical health and well-being	8.97	8.72	0.000
Social competence	8.67	8.27	0.000
Emotional maturity	8.29	7.97	0.000
Language and cognitive development	8.77	8.12	0.000
Communication skills and general knowledge	7.98	7.70	0.000

13. Children who attended an organized preschool

Scale	Means		P
	Preschool N=5473	No preschool N=11736	
Physical health and well-being	8.95	8.70	0.000
Social competence	8.64	8.22	0.000
Emotional maturity	8.26	7.95	0.000
Language and cognitive development	8.54	8.09	0.000
Communication skills and general knowledge	8.22	7.48	0.000

14. Children who attended JK

Scale	Means		P
	JK N=15137	No JK N=8632	
Physical health and well-being	8.79	8.74	0.000
Social competence	8.36	8.30	0.006
Emotional maturity	8.06	8.02	0.075
Language and cognitive development	8.44	8.05	0.000
Communication skills and general knowledge	7.75	7.66	0.001