

EARLY DEVELOPMENT INSTRUMENT RESULTS

Summary Reports

Kindergarten Students in North East SD, SK 2012/2013 School year

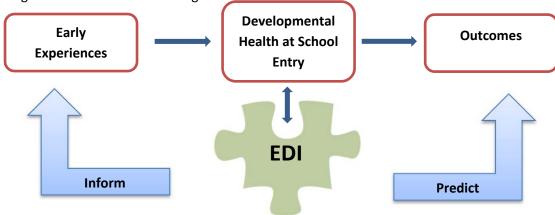
A snapshot of children's developmental health at school entry

A teacher-completed instrument called the Early Development Instrument (EDI) was developed at the Offord Centre for Child Studies at McMaster University to measure children's ability to meet age appropriate developmental expectation at school entry. The Early Development project focuses on the outcomes for children as a health-relevant, measurable concept that has long-term consequences for individual outcomes and population health. The data derived from the collection of the EDI facilitates and encourages community, provincial, national and international monitoring of the developmental health of our young learners.

The EDI was finalized in 2000 in Ontario, Canada and has since become a population-level research tool utilized to various degrees in all Canadian provinces and territories. By the end of 2013, Ontario, Manitoba, British Columbia, Saskatchewan, Alberta, Prince Edward Island, New Brunswick, Nova Scotia, Newfoundland and Labrador, Yukon, Northwest Territories, and Quebec will have collected data at the provincial/territorial-level at least once and Nunavut will have collected data on some of their children.

Current findings from the administration of EDI in Canada show that in most jurisdictions 25% or more of children entering kindergarten are vulnerable in at least one aspect of their development. Further research linking EDI findings to later educational data demonstrate that, on average, kindergarten vulnerability predicts ongoing vulnerability in the school system. Numerous studies have shown that early vulnerability predicts much about a person's lifelong health, learning and behaviour.

The EDI is designed to be a tool to increase the mobilization of communities and policy makers in order to bring a positive impact on children's development in their local areas. Understanding the state of children's development at the level of the population, that is for *all* children, is foundational to mobilizing stakeholders towards change.

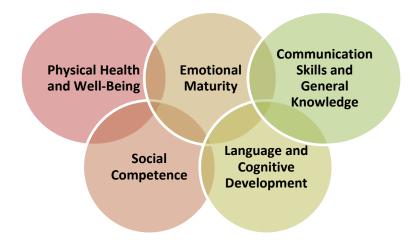


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EDI Domains

The Early Development Instrument (EDI) measures children's developmental health at school entry by asking questions covering five different areas of their early development:

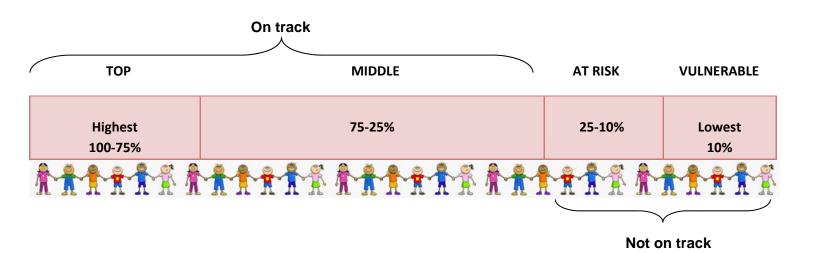


- **Physical Health & Well-Being** includes gross and fine motor skills e.g., holding a pencil, running on the playground, motor coordination, and adequate energy levels for classroom activities.
- **Social Competence** includes curiosity about the world, eagerness to try new experiences, knowledge of standards of acceptable behaviour in a public place, ability to control own behaviour, cooperation with others, following rules, and ability to play and work with other children.
- **Emotional Maturity** includes ability to reflect before acting, a balance between too fearful and too impulsive, and ability to deal with feelings at the age appropriate level, and empathic response to other people's feelings.
- Language and Cognitive Development includes reading awareness, age appropriate reading, writing and numeracy skills, board games, and ability to understand similarities and differences, and to recite back specific pieces of information from memory.
- **Communication Skills and General Knowledge** includes skills to communicate needs and wants in socially appropriate ways, symbolic use of language, story-telling, and age appropriate knowledge about the life and world around.



EDI Outcomes:

The average EDI scores for each developmental area – Physical Health and Well-Being, Social Competence, Emotional Maturity, Language and Cognitive Development, and Communication Skills and General Knowledge – are divided into categories representing the highest scores to the lowest scores in the community.



On track (Top)

The total group of children who score in the highest 25th percentile of the distribution.

On track (Middle)

The total group of children who score between the 75th and 25th percentiles of the distribution.

Not on track (At risk)

The total group of children who score between the lowest 10th and 25th percentiles of the distribution.

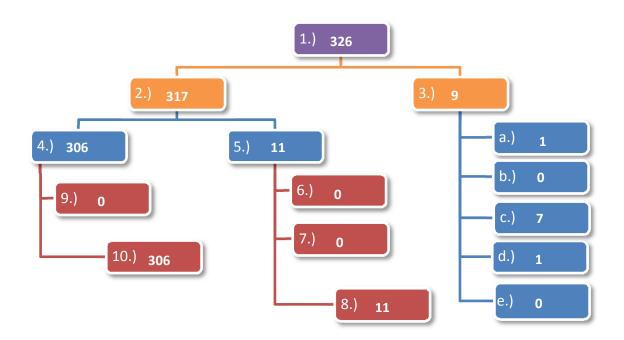
Not on track (Vulnerable)

The total group of children who score below the lowest 10th percentile of the distribution.



Number of Children in Analyses: From Received Questionnaires to Reports

Below is an illustration of the flow of EDI questionnaires from when they are received to the final valid number of questionnaires used for analysis.



- 1. Total EDIs completed
- 2. Questionnaires for children in class more than 1 month.
- 3. Questionnaires for children in class other than in class more than 1 month
 - a. in class <1 month
 - b. moved out of class
 - c. moved out of school
 - d. other
 - e. JK Class assignment or missing class assignment
- 4. Questionnaires for children with no SN
- 5. Questionnaires for children missing or indicated as SN
- 6. Questionnaires missing SN assignation
- 7. SN questionnaires missing data for more than 1 domain
- 8. Questionnaires valid for analyses in reports for children with Special Needs.
- 9. Non SN questionnaires missing data for more than 1 domain
- 10. Questionnaires valid for analyses in reports for children without Special Needs

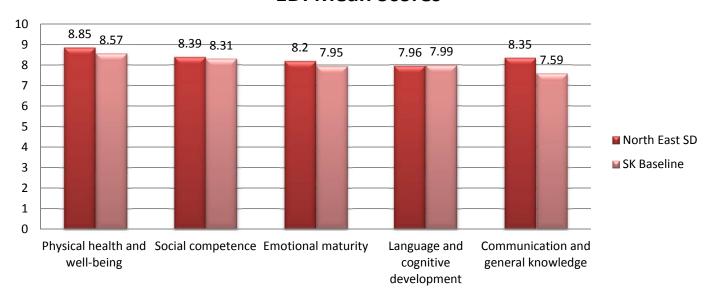


Descriptive Statistics

The EDI was completed for 306 non-Special Needs Senior Kindergarten students in North East SD, SK in the 2012/2013 year. The table below illustrates the descriptive statistics of this North East SD SK cohort.

Domains	Valid (Valid Questionnaires Scores			Percentile Boundaries				es
	# EDI Items	Valid Questionnaires	Min-Max	Mean	Standard Deviation	75	50	25	10
Physical Health and Well-Being	13	306	3.1 - 10.0	8.85	1.33	10.00	9.23	8.08	7.04
Social Competence	26	306	2.3 - 10.0	8.39	1.76	9.81	9.04	7.38	5.52
Emotional Maturity	30	306	3.3 - 10.0	8.20	1.25	9.11	8.50	7.67	6.33
Language and Cognitive Development	26	306	1.9 - 10.0	7.96	1.76	9.23	8.08	6.92	5.27
Communication Skills and General Knowledge	8	306	1.3 - 10.0	8.35	1.98	10.00	9.38	6.88	5.00

EDI Mean Scores



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Vulnerable Children

"Vulnerable" describes the children who score low (below the 10th percentile cut-off of the comparison population) on any of the five domains.

The table below illustrates the percentage of North East SD, SK children that are vulnerable on at least one or on at least two domains based the Saskatchewan Baseline cut-offs. These are compared to the percentages for the Saskatchewan Baseline Cohort.

	Percentage		
	2012/2013		
	North East SD	Saskatchewan Baseline	
	(Saskatchewan Baseline cut-offs)		
Vulnerable on at least ONE	20.9%	26.0%	
EDI domain	20.976	20.076	
Vulnerable on at least TWO	8.2%	13.6%	
EDI domains	6.270	13.0%	

The graph below illustrates North East SD 2012/2013 results for the percentage of children vulnerable on one and two domains compared to the Saskatchewan Baseline cut-offs.

Percentage Vulnerable





Percentage of Vulnerable Children by EDI Domain

The table below illustrates the percentage of North East SD children who fell below the 10th percentile cut-off based on Saskatchewan Baseline cut-offs. The percentage vulnerable by domain using Saskatchewan Baseline cut-offs reflects the vulnerability in your site in relation to the distribution of scores in the Canadian population.

	% Vulnerable				
Domains	2012/2013 North East SD (Saskatchewan Baseline cut-offs)	Saskatchewan Baseline			
Physical Health Well-Being	6.9%	11.6%			
Social Competence	9.8%	9.8%			
Emotional Maturity	5.9%	10.0%			
Language & Cognitive Development	9.8%	10.1%			
Communication Skills & General Knowledge	4.6%	10.7%			



EARLY DEVELOPMENT INSTRUMENT RESULTS REPORT For Children with NO Special Needs

Senior Kindergarten Students in *North East SD, SK* School year 2012/2013

Descriptive characteristics of the North East SD 2012/2013 cohort (N=306)

	Number	%
Gender		
Girl	152	49.7%
Boy	154	50.3%
Missing	0	0.0%
English/French as a Second Languag	ge (E/FSL)	
E/FSL	11	3.6%
No E/FSL	295	96.4%
Missing	0	0.0%
Type of class		
Kindergarten	297	97.1%
Pre-K/K	0	0.0%
K/1	7	2.3%
Pre-K/K/1	0	0.0%
Other	2	0.7%
Missing	0	0.0%
First language		
English	288	94.1%
French	0	0.0%
Other Only	5	1.6%
English & French (Bilingual)	0	0.0%
English & Other (Bilingual)	7	2.3%
French & Other (Bilingual)	0	0.0%
Two Other Languages (Bilingual)	0	0.0%
Missing	6	2.0%
French Immersion		
French Immersion	0	0.0%
Non-French Immersion	306	100.0%
Missing	0	0.0%

Descriptive characteristics of the population continued...



	Number	%			
Aboriginal					
Aboriginal	30	9.8%			
Not Aboriginal	258	84.3%			
Missing	18	5.9%			
Multiple Challenges					
Multiple Challenges	12	3.9%			
No Multiple Challenges	294	96.1%			

Age composition

Age at the time of teacher assessment (Feb 2012-Mar 2012) was divided into groups of 3-month intervals. The age categories are expressed as year-month; for example, 5-11 means age 5 years and 11 months.

Age Category	Number	%
4-8 to 4-10	0	0.0%
4-11 to 5-1	1	0.3%
5-2 to 5-4	52	17.0%
5-5 to 5-7	71	23.2%
5-8 to 5-10	75	24.5%
5-11 to 6-1	75	24.5%
6-2 to 6-4	29	9.5%
6-5 to 6-7	3	1.0%
6-8 to 6-10	0	0.0%
6-11 and up	0	0.0%
Missing	0	0.0%

Please note: Months were rounded down for ages less than 15 days, and up for more than 15 days. Therefore, 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.

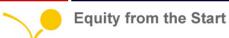


Frequencies of answers to questions in Section D - Special Problems

	Number	%
D1: Special Problems		
Yes	29	9.5%
D2a: Physical Disability		
Yes, Observed	0	0.0%
Yes, Parents info/Diagnosis	0	0.0%
D2b: Visual Impairment		
Yes, Observed	1	0.3%
Yes, Parents info/Diagnosis	0	0.0%
D2c: Hearing Impairment		
Yes, Observed	1	0.3%
Yes, Parents info/Diagnosis	1	0.3%
D2d: Speech Impairment		
Yes, Observed	8	2.6%
Yes, Parents info/Diagnosis	2	0.7%
D2e: Learning Disability		
Yes, Observed	2	0.7%
Yes, Parents info/Diagnosis	1	0.3%
D2f: Emotional Problem		
Yes, Observed	7	2.3%
Yes, Parents info/Diagnosis	0	0.0%
D2g: Behavioural Problem		
Yes, Observed	10	3.3%
Yes, Parents info/Diagnosis	1	0.3%
D2h: Home Environment/problems	at home	
Yes, Observed	9	2.9%
Yes, Parents info/Diagnosis	1	0.3%
D2i: Chronic Medical/Health Problem	ms	
Yes, Observed	0	0.0%
Yes, Parents info/Diagnosis	1	0.3%

Frequencies of answers to questions in Section D - Special Problems continued

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D2j: Unaddressed dental needs		
Yes, Observed	2	0.7%
Yes, Parents info/Diagnosis	0	0.0%
D2k: Other		
Yes, Observed	5	1.6%
Yes, Parents info/Diagnosis	0	0.0%
D4: Child Receiving School Based Su	pport	
Yes	28	9.2%
No	278	90.8%
Missing	0	0.0%
D5a: Child Currently Receiving Furt	her Assessment	
Yes	20	6.5%
No	284	92.8%
Missing	2	0.7%
D5b: Child Currently on Wait List to	Receive Further Assessment	:
Yes	6	2.0%
No	298	97.4%
Missing	2	0.7%
D5c: Do You Feel that this Child Ned	eds Further Assessment	
Yes	12	3.9%
No	287	93.8%
Missing	7	2.3%



Frequencies of answers to questions in Section E - Additional Questions

E1: Child attended an early intervention progra Yes No Missing E3: Child attended any other language or religion Yes No Missing E4: Child attended an organized part-time pre-s Yes No Missing E2: Non parental care: Yes No Missing E2: Centre-based, licensed, non-profit arrange Yes E2b: Centre-based, licensed, for profit arranger	34 261 11 on classes 41 249 16	11.1% 85.3% 3.6% 13.4% 81.4% 5.2% ool 59.5% 35.3% 5.2%
Missing E3: Child attended any other language or religion (es No Missing E4: Child attended an organized part-time pre-s (es No Missing E2: Non parental care: (es No Missing E2: Centre-based, licensed, non-profit arrange (es E2a: Centre-based, licensed, for profit arrange	261 11 on classes 41 249 16 chool/nursery school 182 108 16	85.3% 3.6% 13.4% 81.4% 5.2% ool 59.5% 35.3% 5.2%
E3: Child attended any other language or religion (res No Missing E4: Child attended an organized part-time pre-s (res No Missing E2: Non parental care: (res No Missing E2: Centre-based, licensed, non-profit arrange (res E2b: Centre-based, licensed, for profit arrange	11 on classes 41	3.6% 13.4% 81.4% 5.2% ool 59.5% 35.3% 5.2%
E3: Child attended any other language or religion (res No Missing E4: Child attended an organized part-time pre-s (res No Missing E2: Non parental care: (res No Missing E2a: Centre-based, licensed, non-profit arrange (res E2b: Centre-based, licensed, for profit arrange	on classes 41 249 16 chool/nursery sch 182 108 16 139 151	13.4% 81.4% 5.2% ool 59.5% 35.3% 5.2%
Yes No Missing E4: Child attended an organized part-time pre-s Yes No Missing E2: Non parental care: Yes No Missing E2a: Centre-based, licensed, non-profit arrange Yes E2b: Centre-based, licensed, for profit arranger	41 249 6 16 6 182 108 16 139 151	81.4% 5.2% ool 59.5% 35.3% 5.2%
Missing E4: Child attended an organized part-time pre-serves Ves No Missing E2: Non parental care: Ves No Missing E2a: Centre-based, licensed, non-profit arrange Ves E2b: Centre-based, licensed, for profit arranger	249 16 chool/nursery school 182 108 16	81.4% 5.2% ool 59.5% 35.3% 5.2%
Missing E4: Child attended an organized part-time pre-serves Ves No Missing E2: Non parental care: Ves No Missing E2a: Centre-based, licensed, non-profit arrange Ves E2b: Centre-based, licensed, for profit arranger	16 chool/nursery school/nursery scho	5.2% ool 59.5% 35.3% 5.2% 45.4%
E4: Child attended an organized part-time pre-serves Yes No Missing E2: Non parental care: Yes No Missing E2a: Centre-based, licensed, non-profit arrange Yes E2b: Centre-based, licensed, for profit arranger	chool/nursery school/nursery school/	59.5% 35.3% 5.2%
Yes No Missing E2: Non parental care: Yes No Missing E2a: Centre-based, licensed, non-profit arrange Yes E2b: Centre-based, licensed, for profit arranger	182 108 16 139 151	59.5% 35.3% 5.2% 45.4%
Missing E2: Non parental care: Yes No Missing E2a: Centre-based, licensed, non-profit arrange Yes E2b: Centre-based, licensed, for profit arranger	108 16 139 151	35.3% 5.2% 45.4%
Missing E2: Non parental care: Yes No Missing E2a: Centre-based, licensed, non-profit arrange Yes E2b: Centre-based, licensed, for profit arrangen	16 139 151	5.2% 45.4%
E2: Non parental care: Yes No Wissing E2a: Centre-based, licensed, non-profit arrange Yes E2b: Centre-based, licensed, for profit arranger	139 151	45.4%
Yes No Missing E2a: Centre-based, licensed, non-profit arrange Yes E2b: Centre-based, licensed, for profit arranger	151	
No Missing E2a: Centre-based, licensed, non-profit arrange Yes E2b: Centre-based, licensed, for profit arranger	151	
Missing E2a: Centre-based, licensed, non-profit arrange Yes E2b: Centre-based, licensed, for profit arrangen		49.3%
E2a: Centre-based, licensed, non-profit arrange Yes E2b: Centre-based, licensed, for profit arrangen	16	
Yes E2b: Centre-based, licensed, for profit arranger		5.2%
E2b: Centre-based, licensed, for profit arranger	ment	
	50	16.3%
1	nent	
/es	11	3.6%
E2c: Other home-based, licensed arrangement		
/es	16	5.2%
E2d: Other home-based, unlicensed, non-relative	e arrangement	
Yes	61	19.9%
E2e: Other home-based, unlicensed, relative ar	rangement	
/es	22	7.2%
E2f: Child's home, non-relative arrangement		
/es	12	3.9%



Frequencies of answers to questions in Section E - Additional Questions continued

E2g: Child's home, relative arrangement						
Yes	27	8.8%				
E2h: Other						
Yes	3	1.0%				
E2I: Type of arrangement						
Full-time	63	20.6%				
Part-time	93	30.4%				
Missing	150	49.0%				



Special Skills and Special Problems

The table below shows the distribution of the numbers of Special Skills and Special Problems that were observed in this cohort. The minimum and maximum numbers indicate the smallest or largest number of Special Skills/Problems observed in this cohort. The mean number indicates the average number of Special Skills/Problems observed in this cohort of children.

Special Skills/Problems	Min	Max	Mean
Special Skills*	0.00	6.00	0.32
Special Problems**	0.00	3.00	0.16

Children in the **North East SD** cohort had a minimum of zero special skills and a maximum of six. On average each child had 0.32 special skills.

Children in the *North East SD* cohort had a minimum of zero special problems and a maximum of three. On average each child had 0.16 special problems.

*Special Skills:

Section B

Questions 34 to 40 Minimum possible: 0 Maximum possible: 7

- 34. Demonstrates special numeracy skills or talents
- 35. Demonstrates special literacy skills or talents
- 36. Demonstrates special skills or talents in art
- 37. Demonstrates special skills or talents in music
- 38. Demonstrates special skills or talents in athletics/dance
- 39. Demonstrates special skills or talents in problem solving in a creative way
- 40. Demonstrates special skills or talents in other areas

**Special Problems:

Section D

Questions 2a to 2k Minimum possible: 0 Maximum possible: 11 2a. physical disability

- 2b. visual impairment
- 2. haaring inspainment
- 2c. hearing impairment
- 2d. speech impairment
- 2e. learning disability
- 2f. emotional problem
- 2g. behavioural problem
- 2h. home environment/problems at home
- 2i. chronic medical/health problems
- 2j. unaddressed dental needs
- 2k. other





Group Comparisons

North East SD, ON 2012/2013 (N = 306)

Please note that higher mean scores indicate better levels of readiness-to-learn at school.

The effect size quantifies the size of the difference between two groups and is a standardized mean difference between the two groups. That is

Effect size =
$$\frac{mean(group1) - mean(group2)}{SD(group1)}$$
 SD represents the Standard Deviation.

As an example, an effect size of 0.8 indicates that the score of the average person in group 1 is 0.8 standard deviations above the average person in group 2, and hence exceeds the scores of 79% of group 2. Unlike statistical significance, the effect size statistic is independent of the group size and therefore considered more informative. It shows the degree of a "meaningful" difference between the two groups.

*Note that the reference groups (group1 in the equation) used in the calculations of effect size are indicated with an asterisk.

Interpretation: it is accepted to consider effect sizes of 0.8 or more as large, between 0.8 and 0.2 as moderate, and of 0.2 and smaller as small. A negative effect size indicates that the mean of the reference group, group1, is lower than the mean of the comparison group, group2

1. Gender

Domain		Girls*		Boys			Effect Size
Domain	N	Mean	SD	N	Mean	SD	211000 3120
Physical health and well-being	152	9.05	1.06	154	8.66	1.54	0.37
Social competence	152	8.79	1.53	154	7.99	1.89	0.52
Emotional maturity	152	8.53	1.05	154	7.88	1.35	0.62
Language and cognitive development	152	8.40	1.43	154	7.52	1.94	0.62
Communication skills and general knowledge	152	8.76	1.78	154	7.94	2.09	0.46



2. Age of child (mean age is 5.72 years)

Domain	Above	Above the mean age*		Below the mean age			Effect Size
	N	Mean	SD	N	Mean	SD	
Physical health and well-being	159	9.10	1.19	147	8.58	1.42	0.44
Social competence	159	8.59	1.69	147	8.16	1.82	0.25
Emotional maturity	159	8.35	1.23	147	8.03	1.26	0.26
Language and cognitive development	159	8.35	1.54	147	7.54	1.89	0.53
Communication skills and general knowledge	159	8.71	1.69	147	7.96	2.19	0.44

3. Children with E/FSL status

Domain		E/FSL		Not E/FSL*			Effect Size
	N	Mean	SD	N	Mean	SD	
Physical health and well-being	11	8.84	1.33	295	8.85	1.34	0.01
Social competence	11	8.72	1.31	295	8.37	1.78	-0.20
Emotional maturity	11	8.31	1.22	295	8.20	1.25	-0.09
Language and cognitive development	11	7.66	1.82	295	7.97	1.76	0.18
Communication skills and general knowledge	11	6.93	2.66	295	8.40	1.93	0.76



4. Children with Aboriginal Status

Domain		Aboriginal		Not Aboriginal*			Effect Size
	N	Mean	SD	N	Mean	SD	
Physical health and well-being	30	7.95	1.62	258	9.01	1.23	0.86
Social competence	30	7.62	1.95	258	8.54	1.67	0.55
Emotional maturity	30	7.68	1.45	258	8.28	1.18	0.51
Language and cognitive development	30	7.02	1.90	258	8.08	1.72	0.62
Communication skills and general knowledge	30	7.63	2.14	258	8.45	1.94	0.42

$5. \ \ Children \ who \ attended \ an \ early \ intervention \ program$

Domain	Earl	Early Intervention		No early intervention*			Effect Size
	N	Mean	SD	N	Mean	SD	
Physical health and well-being	34	8.43	1.78	261	8.94	1.25	0.41
Social competence	34	8.04	1.99	261	8.43	1.75	0.22
Emotional maturity	34	7.85	1.50	261	8.24	1.22	0.32
Language and cognitive development	34	7.56	2.03	261	8.00	1.71	0.26
Communication skills and general knowledge	34	7.78	2.09	261	8.43	1.96	0.33



6. Children who attended Language/Religion classes

Domain	Language/Religion classes*		_	No Language/Religion classes			Effect Size
	N	Mean	SD	N	Mean	SD	
Physical health and well-being	41	9.32	0.87	249	8.82	1.37	0.57
Social competence	41	8.49	1.77	249	8.40	1.78	0.05
Emotional maturity	41	8.36	1.11	249	8.17	1.30	0.17
Language and cognitive development	41	8.34	1.72	249	7.92	1.77	0.24
Communication skills and general knowledge	41	8.45	2.17	249	8.37	1.93	0.04

7. Children who attended part-time preschool

Domain	ı	Preschool	*	No Preschool		ool	Effect Size
	N	Mean	SD	N	Mean	SD	
Physical health and well-being	182	9.07	1.18	108	8.60	1.49	0.40
Social competence	182	8.85	1.37	108	7.72	2.08	0.82
Emotional maturity	182	8.47	1.09	108	7.75	1.42	0.66
Language and cognitive development	182	8.43	1.36	108	7.24	2.05	0.88
Communication skills and general knowledge	182	8.76	1.62	108	7.84	2.29	0.57



8. Type of non-parental care arrangement

Domain		Full Time*		Part Time			Effect Size
	N	Mean	SD	N	Mean	SD	
Physical health and well-being	63	8.95	1.37	93	8.92	1.19	0.02
Social competence	63	8.87	1.22	93	8.02	1.90	0.70
Emotional maturity	63	8.42	1.15	93	7.98	1.43	0.38
Language and cognitive development	63	8.25	1.66	93	7.85	1.87	0.24
Communication skills and general knowledge	63	8.93	1.47	93	8.31	2.01	0.42



SUBDOMAIN PROFILES

North East SD, SK, 2012/2013 (N = 306)

Each of the five domains is divided into sub-domains, except for Communication Skills and General Knowledge. The sub-domains were originally identified using factor analysis¹. The table below shows the breakdown of sub-domains for each domain.

Physical Health & Well-being	Social Competence	Emotional Maturity	Language & Cognitive Development	Communication Skills & General Knowledge
Physical readiness for school day	Overall social competence	Prosocial & helping behaviour	Basic literacy	Communication skills & general knowledge
Physical independence	Responsibility & respect	Anxious & fearful behaviour	Interest in literacy/numeracy & memory	
Gross and fine motor	Approaches to learning	Aggressive behaviour	Advanced literacy	
	Readiness to explore new things	Hyperactivity and inattention	Basic numeracy	

Scores for domains and sub-domains on the EDI vary from 0 to 10. Some sub-domains represent skills that a child in kindergarten, based on his or her developmental age, is expected to have mastered already (e.g., physical independence). Other sub-domains represent areas of development that are still emerging (e.g., prosocial behaviour).

Based on skills and abilities that each sub-domain represents, groups of scores were identified representing children who met all/almost all developmental expectations (reach the expectations for all or most of the subdomain items), some of the developmental expectations (reach the expectations for some of the subdomain items), and met few/none of the developmental expectations (reach expectations for none or few of the subdomain items) ². In contrast to the "on track", "at risk", and "vulnerable" groups identified for domains in the main report, which are based on the distribution of scores in the province or in Canada, the sub-domain categories are distribution-free.

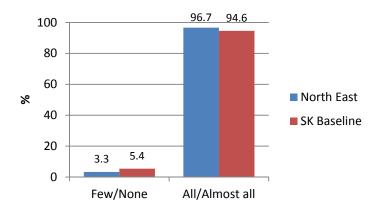
In this report, detailed descriptions of children who met all/almost all and of those who met few/none of the developmental expectations are given for each sub-domain. There is no detailed description for the "some" category because these children vary widely in their skills and abilities. An investigation of percentages of children who fall into the "few/none" category will identify areas of the greatest weakness in the population. The following report outlines the percentage of your children who are meeting all/almost all, some, or few/none of the developmental expectations in each of the five domains. The results for the Saskatchewan population are also included as a comparison base.

¹ Results of the analyses are available on request.

² Formerly called "very ready", "middle", and "not ready"

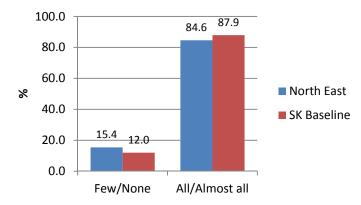


PHYSICAL HEALTH & WELL-BEING



Physical readiness for school day

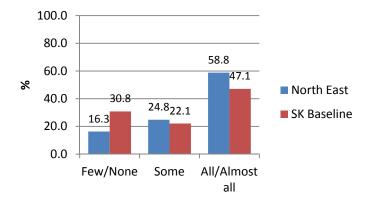
Children who reach <u>all or almost all</u> of the developmental expectations never or almost never experienced being dressed inappropriately for school activities, or coming to school tired, late or hungry Child who reach <u>few or none</u> of the developmental expectations have at least sometimes experienced coming unprepared for the school day by being dressed inappropriately, or by coming to school late, hungry, or tired.



Physical independence

Children who reach <u>all or almost all</u> of the developmental expectations are independent in looking after their needs, have an established hand preference, are well coordinated, and do not suck a thumb/finger

Children who reach <u>few or none</u> of the developmental expectations vary from those who have not developed one of the three skills (independence, handedness, coordination) and/or suck a thumb to those who have not developed any of the skills and suck a thumb.



Gross and fine motor skills

Children who reach <u>all or almost all</u> of the developmental expectations have an excellent ability to physically tackle the school day and have excellent or good gross and fine motor skills.

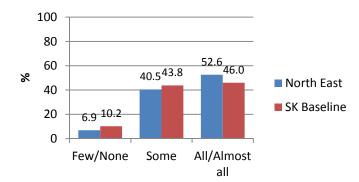
Children who reach <u>few or none</u> of the developmental expectations range from those who have an average ability to perform skills requiring gross and fine motor competence and good or average overall energy levels, to those who have poor fine and gross motor skills, poor overall energy levels and poor physical skills.

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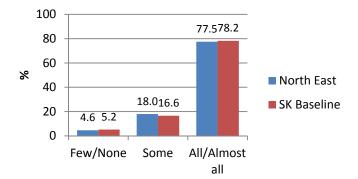


SOCIAL COMPETENCE



Overall social competence

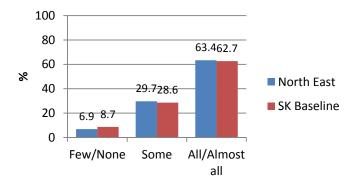
Children who reach <u>all or almost all</u> of the developmental expectations have excellent or good overall social development, very good ability to get along with other children and play with various children; usually cooperative and self-confident. Children who reach <u>few or none</u> of the developmental expectations have average to poor overall social skills, have low self-confidence and are rarely able to play with various children or interact cooperatively



Responsibility and respect

Children who reach <u>all or almost all</u> of the developmental expectations always or most of the time show respect for others and for property, follow rules and take care of materials, accept responsibility for actions, and show self-control.

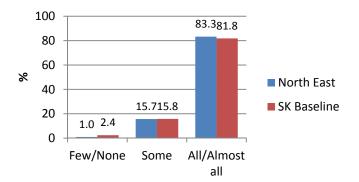
Children who reach <u>few or none</u> of the developmental expectations only sometimes or never accept responsibility for actions, show respect for others and for property, demonstrate self-control, follow rules, and take care of materials



Approaches to learning

Children who reach <u>all or almost all</u> of the developmental expectations always or most of the time work neatly, work independently, solve problems, follow instructions and class routines, and easily adjust to changes.

Children who reach <u>few or none</u> of the developmental expectations only sometimes or never work neatly, work independently, solve problems, follow class routines, and adjust to changes in routines



Readiness to explore new things

Children who reach <u>all or almost all</u> of the developmental expectations are curious about the surrounding world and are eager to explore new books, toys, and games.

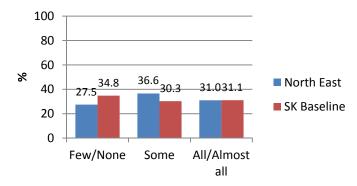
Children who reach **few or none** of the developmental expectations only sometimes or never show curiosity about the world and are rarely eager to explore new books, toys and games.

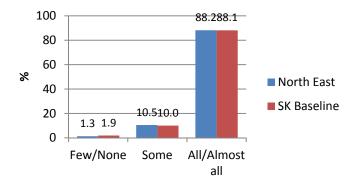
Report 4 – Page 3

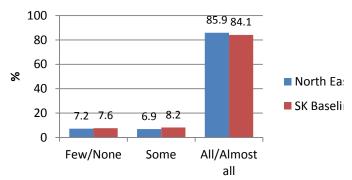


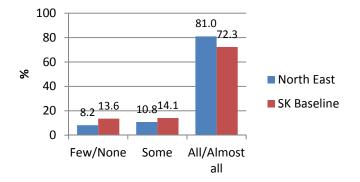


EMOTIONAL MATURITY









Prosocial and helping behaviour

Children who reach <u>all or almost all</u> of the developmental expectations show most of the helping behaviours: helping someone hurt, sick or upset, offering to help spontaneously, invite bystanders to join in

Children who reach <u>few or none</u> of the developmental expectations never or almost never show most of the helping behaviours; they do not help someone hurt, sick or upset, spontaneously offer to help, do not invite bystanders to join in

Anxious and fearful behaviour

Children who reach <u>all or almost all</u> of the developmental expectations rarely or never show most of the anxious behaviours; they are happy and able to enjoy school, and are comfortable being left at school by caregivers

Children who reach <u>few or none</u> of the developmental expectations often show most of the anxious behaviours; they could be worried, unhappy, nervous, sad or excessively shy, indecisive; and they can be upset when left at school

Aggressive behaviour

Children who reach <u>all or almost all</u> of the developmental expectations rarely or never show most of the anxious behaviours; they are happy and able to enjoy school, and are comfortable being left at school by caregivers

Children who reach <u>few or none</u> of the developmental expectations often show most of the aggressive behaviours; they get into physical fights, kick or bite others, take other people's things, are disobedient or have temper tantrums

Hyperactivity and inattention

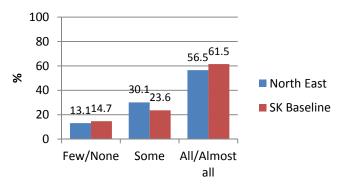
Children who reach <u>all or almost all</u> of the developmental expectations never show most of the hyperactive behaviours; they are able to concentrate, settle to chosen activities, wait their turn, and most of the time think before doing something Children who reach <u>few or none</u> of the developmental expectations often show most of the hyperactive behaviours; they could be restless, distractible, impulsive; they fidget and have difficulty settling to activities

Report 4 – Page 4

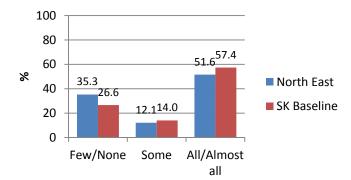


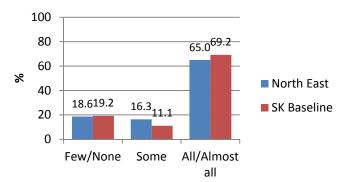


LANGUAGE AND COGNITIVE DEVELOPMENT



100 80 77.5_{73.0} 80 40 20 11.412.8 10.8^{13.4} Few/None Some All/Almost all





Basic literacy

Children who reach <u>all or almost all</u> of the developmental expectations have all the basic literacy skills: know how to handle a book, can identify some letters and attach sounds to some letters, show awareness of rhyming words, know the writing directions, and are able to write their own name

Children who reach <u>few or none</u> of the developmental expectations do not have most of the basic literacy skills; they have problems with identifying letters or attaching sounds to them, rhyming, may not know the writing directions and even how to write own name

Interest in literacy / numeracy and memory

Children who reach <u>all or almost all</u> of the developmental expectations show interest in books and reading, math and numbers, and have no difficulty with remembering things name

Children who reach <u>few or none</u> of the developmental expectations may not show interest in books and reading, or math and number games, or both, and may have difficulty remembering things

Advanced literacy

Children who reach <u>all or almost all</u> of the developmental expectations have at least half of the advanced literacy skills: reading simple, complex words or sentences, writing voluntarily, writing simple words or sentences

Children who reach <u>few or none</u> of the developmental expectations have only up to one of the advanced literacy skills; who cannot read or write simple words, or sentences and rarely write voluntarily

Basic numeracy

Children who reach <u>all or almost all</u> of the developmental expectations have all the basic numeracy skills: can count to 20 and recognize shapes and numbers, compare numbers, sort and classify, use one-to-one correspondence, and understand simple time concepts

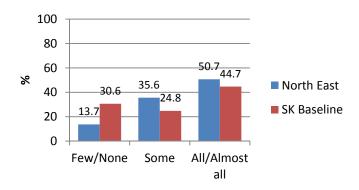
Children who reach <u>few or none</u> of the developmental expectations have marked difficulty with numbers, cannot count, compare or recognize numbers, may not be able to name all the shapes and may have difficulty with time concepts

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COMMUNICATION SKILLS AND GENERAL KNOWLEDGE



Communication skills and General knowledge

Children who reach <u>all or almost all</u> of the developmental expectations have excellent or very good communication skills; can communicate easily and effectively, can participate in story-telling or imaginative play, articulates clearly, show adequate general knowledge, and are proficient in their native language

Children who reach <u>few or none</u> of the developmental expectations can range from being average to very poor in effective communication, may have difficulty in participating in games involving the use of language, may be difficult to understand and may have difficulty to understand others; may show little general knowledge and may have difficulty with the native language



MULTIPLE CHALLENGE INDEX

There are 16 sub-domains within the five domains of the EDI. Each of the sub-domains represents a relatively homogenous aspect of a child's development. If a child scores below expectations (below the cut-off) on 9 or more of the 16 sub-domains he/she is considered to have multiple challenges.

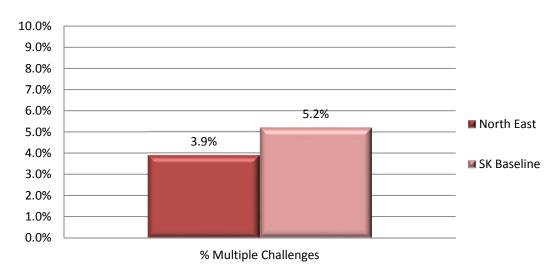
Analysis of the distribution of the number of challenges in one or more sub-domain indicates that having scores below the cut-off in 9 or more pointed to serious problems in multiple domains. Three of the 5 domains have 4 sub-domains, one has 3, and the last one has 1. Therefore experiencing challenge in 9 sub-domains means that they are from at least 3 of the major five developmental domains.

The cut-offs on the sub-domains are not community-specific and are not based on the Ontario Baseline cohort. They are based on the teacher's endorsement of the items on the questionnaire (the actual responses a teacher completes on the questionnaire).

For example, the Physical Independence sub-domain of the Physical Health and Well-Being has four items, scored yes (10) or no (0), each of which represents a specific developmental skill, generally mastered by children by 4 years of age. Therefore, a "challenge" score for this sub-domain has been set at lower than 9.99, which would be given to a child where the teacher responded NO (score of 0) to all of the four skills.

North East SD 2012/2013 Non-Special Needs Students (N=306) & SK Baseline

Multiple Challenges





EARLY DEVELOPMENT INSTRUMENT RESULTS REPORT For Children with Special Needs

Senior Kindergarten Students in North East SD, SK 2012/2013 School Year

Descriptive characteristics of the North East SD 2012/2013 Special Needs cohort (N=11)

	Number	%
Gender		
Girl	4	36.4%
Boy	7	63.6%
Missing	0	0.0%
English/French as a Second Lan	guage (E/FSL)	
E/FSL	0	0.0%
No E/FSL	11	100.0%
Missing	0	0.0%
Type of class		
Kindergarten	8	72.7%
Pre-K/K	0	0.0%
K/1	1	9.1%
Pre-K/K/1	0	0.0%
Other	2	18.2%
Missing	0	0.0%
First language		
English	11	100.0%
French	0	0.0%
Other Only	0	0.0%
English & French (Bilingual)	0	0.0%
English & Other (Bilingual)	0	0.0%
French & Other (Bilingual)	0	0.0%
Two Other Languages (Bilingual)	0	0.0%
Missing	0	0.0%

Descriptive characteristics of the population continued...



	Number	%
French Immersion		
French Immersion	0	0.0%
Non-French Immersion	11	100.0%
Missing	0	0.0%
Aboriginal		
Aboriginal	2	18.2%
Not Aboriginal	8	72.7%
Missing	1	9.1%
Multiple Challenges		
Multiple Challenges	5	45.5%
No Multiple Challenges	6	54.5%

Age composition

Age at the time of teacher assessment (Feb 2012-Mar 2012) was divided into groups of 3-month intervals. The age categories are expressed as year-month; for example, 5-11 means age 5 years and 11 months.

Age Category	Number	%
4-8 to 4-10	0	0.0%
4-11 to 5-1	1	9.1%
5-2 to 5-4	2	18.2%
5-5 to 5-7	0	0.0%
5-8 to 5-10	3	27.3%
5-11 to 6-1	2	18.2%
6-2 to 6-4	1	9.1%
6-5 to 6-7	0	0.0%
6-8 to 6-10	0	0.0%
6-11 and up	2	18.2%
Missing	0	0.0%

Please note: Months were rounded down for ages less than 15 days, and up for more than 15 days. Therefore, 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.



Frequencies of answers to questions in Section D – Special Problems

	Number	%
D1: Special Problems		
Yes	10	90.9%
D2a: Physical Disability		
Yes, Observed	1	9.1%
Yes, Parents info/Diagnosis	5	45.5%
D2b: Visual Impairment		
Yes, Observed	1	9.1%
Yes, Parents info/Diagnosis	1	9.1%
D2c: Hearing Impairment		
Yes, Observed	0	0.0%
Yes, Parents info/Diagnosis	1	9.1%
D2d: Speech Impairment		
Yes, Observed	4	36.4%
Yes, Parents info/Diagnosis	4	36.4%
D2e: Learning Disability		
Yes, Observed	1	9.1%
Yes, Parents info/Diagnosis	4	36.4%
D2f: Emotional Problem		
Yes, Observed	0	0.0%
Yes, Parents info/Diagnosis	1	9.1%
D2g: Behavioural Problem		
Yes, Observed	4	36.4%
Yes, Parents info/Diagnosis	1	9.1%
D2h: Home Environment/pro	blems at home	
Yes, Observed	2	18.2%
Yes, Parents info/Diagnosis	3	27.3%



Frequencies of answers to questions in Section D - Special Problems continued

D2i: Chronic Medical/Health Pr	roblems	
Yes, Observed	1	9.1%
Yes, Parents info/Diagnosis	4	36.4%
D2j: Unaddressed dental needs	5	
Yes, Observed	1	9.1%
Yes, Parents info/Diagnosis	1	9.1%
D2k: Other		
Yes, Observed	0	0.0%
Yes, Parents info/Diagnosis	2	18.2%
Yes	10	90.9%
Yes	10	
No	1	9.1%
Missing	0	0.0%
D5a: Child Currently Receiving	Further Assessment	
Yes	6	54.5%
No	5	45.5%
110	_	45.5%
Missing	0	0.0%
Missing		0.0%
Missing	0	0.0%
Missing D5b: Child Currently on Wait Li	0 ist to Receive Further Assessme	0.0% nt
Missing D5b: Child Currently on Wait Li Yes	o st to Receive Further Assessmen	0.0% nt 36.4%
Missing D5b: Child Currently on Wait Li Yes No	0 est to Receive Further Assessmen 4 7 0	0.0% nt 36.4% 63.6%
Missing D5b: Child Currently on Wait Li Yes No Missing	0 est to Receive Further Assessmen 4 7 0	0.0% nt 36.4% 63.6%
Missing D5b: Child Currently on Wait Li Yes No Missing D5c: Do You Feel that this Child	0 ist to Receive Further Assessmen 4 7 0 Needs Further Assessment	0.0% 10.0% 36.4% 63.6% 0.0%



Frequencies of answers to questions in Section E - Additional Questions

	Number	%	
E1: Child attended an early intervention program			
Yes	7	63.6%	
No	2	18.2%	
Missing	2	18.2%	
E3: Child attended any other language or religion classes			
Yes	1	9.1%	
No	7	63.6%	
Missing	3	27.3%	
E4: Child attended an organized part-time pre-school/nursery school			
Yes	3	27.3%	
No	6	54.5%	
Missing	2	18.2%	
E2: Non parental care:			
Yes	5	45.5%	
No	4	36.4%	
Missing	2	18.2%	
E2a: Centre-based, licensed, no	on-profit arrangement		
Yes	0	0.0%	
E2b: Centre-based, licensed, fo	r profit arrangement		
Yes	0	0.0%	
E2c: Other home-based, licensed arrangement			
Yes	0	0.0%	
E2d: Other home-based, unlice	nsed, non-relative arrangement	:	
Yes	1	9.1%	
	1	·	



Frequencies of answers to questions in Section E - Additional Questions continued

E2e: Other home-based, unlicensed, relative arrangement			
Yes	0	0.0%	
E2f: Child's home, non-relative	arrangement		
Yes	0	0.0%	
E2g: Child's home, relative arra	ngement		
Yes	4	36.4%	
E2h: Other			
Yes	1	9.1%	
E2I: Type of arrangement			
Full-time	1	9.1%	
Part-time	4	36.4%	
Missing	6	54.5%	



Vulnerable Children

"Vulnerable" describes the children who score low (below the 10^{th} percentile cut-off of the comparison population) on any of the five domains.

The table below illustrates the percentage of North East SD, SK Special Needs children that are vulnerable on at least one or on at least two domains based the Saskatchewan Baseline cut-offs.

	Percentage
	2011/2012
	North East SD
	(SK Baseline cut-offs)
Vulnerable on at least ONE EDI domain	72.7%
Vulnerable on at least TWO EDI domains	72.7%

The table below illustrates the percentage of North East SD special needs children who fell below the 10th percentile cut-off for each domain based on Saskatchewan Baseline cut-offs.

	% Vulnerable	
Domains	2011/2012 North East SD	
	(SK Baseline cut-offs)	
Physical Health Well-Being	54.5%	
Social Competence	45.5%	
Emotional Maturity	36.4%	
Language & Cognitive Development	54.5%	
Communication Skills & General Knowledge	54.5%	



Special Skills and Special Problems

The table below shows the distribution of the numbers of Special Skills and Special Problems that were observed in this special needs cohort. The minimum and maximum numbers indicate the smallest or largest number of Special Skills/Problems observed in this cohort. The mean number indicates the average number of Special Skills/Problems observed in this cohort of special needs children.

Special Skills/Problems	Min	Max	Mean
Special Skills*	0	1	0.18
Special Problems**	1	11	3.55

Special Needs children in the **North East SD** cohort had a minimum of zero special skills and a maximum of one. On average each child had 0.18 special skills.

Special Needs children in the **North East SD** cohort had a minimum of one special problems and a maximum of eleven. On average each child had special problems 3.55.

*Special Skills:

Section B

Questions 34 to 40 Minimum possible: 0 Maximum possible: 7

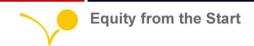
- 34. Demonstrates special numeracy skills or talents
- 35. Demonstrates special literacy skills or talents
- 36. Demonstrates special skills or talents in art
- 37. Demonstrates special skills or talents in music
- 38. Demonstrates special skills or talents in athletics/dance
- 39. Demonstrates special skills or talents in problem solving in a creative way
- 40. Demonstrates special skills or talents in other areas

**Special Problems:

Section D

Questions 2a to 2k Minimum possible: 0 Maximum possible: 11 2a. physical disability

- 2b. visual impairment
- 2c. hearing impairment
- 2d. speech impairment
- 2e. learning disability
- 2f. emotional problem
- 2g. behavioural problem
- 2h. home environment/problems at home
- 2i. chronic medical/health problems
- 2j. unaddressed dental needs
- 2k. other





EDI Reports FAQ and Glossary

DESCRIPTIVE REPORTS:

- 1) Q: What are site means and how are they calculated?
 - A: 'Site Mean' refers to the mean (average value of a set of numbers) of all senior or junior kindergarten children tested in your site for that given year. Children with known special needs, missing more than 1 domain, with Student Status in class less than a month or "other", and missing Pre-K/K classification are excluded from the computation of the site mean.
- 2) Q: What is Standard Deviation?
 - A: Standard Deviation (\pm SD) indicates the range in which approximately two-thirds of the scores fall. For example, two-thirds of the scores on "physical health and well-being" fall between 8.79 1.05 (7.74) and 8.79 + 1.05 (9.84).
 - Children with known special needs, missing more than 1 domain, with Student Status in class less than a month or "other", and missing Pre-K/K classification are excluded from the computation of the site standard deviation.
- 3) Q: What is meant by 'Valid by Questionnaires by Domain'?

 A: Since scores for children with up to one missing domain are considered valid, the number of students with valid data may be equal to or less than the total valid number in the specific domains. A child is considered missing on a domain when more than 25% of

DESCRIPTIVE DATA REPORTS:

- 1) Q: What comprises "missing"? Does it include a) Don't Know, b) left blank, c) not read by scanner, or d) child moved to another school.
 - A: Missing includes data that could not be computed, 'don't know responses', and responses left blank.
- 2) Q: Are all students included? Including special needs?

the questions are left blank or with "I don't know" answered.

- A: The analyses are based on all non-missing cases for each category. Children classified as special need, missing more than one domain, with Student Status in class less than a month or "other", and those missing Pre-K/K classification are excluded from the site Descriptive Data report. However, Special Needs children are included in the Special Needs Descriptive Data report.
- 3) Q: Why are some of the Group Comparisons missing or labeled as NA?

 A: Some of Group Comparisons are labeled as Not Applicable (NA) or are missing from the analyses because the groups were too small (under ten students) to apply statistical tests and to retain confidentiality.

SCHOOL REPORTS:

1) Q: Why do some schools/sites not receive school reports?

A: Schools/Sites with less than 10 students do not receive school reports as having such a small number of children per school increases the risk of identifying individual children. However, the results of schools with less than 10 children are still included in the overall results for the site.

FAQ – Page 1



Glossary

Below the 10th percentile cut-off:

Refers to children who fall at or below the 10th percentile cut-off for a domain.

Early Intervention Program:

Includes: speech/language therapy, parent attended a parenting program, a Head Start program, a School's Cool program, etc., or if child has had similar in-home services

Effect Size:

The effect size quantifies the size of the difference between two groups and is a standardized mean difference between the two groups. That is

Effect size =
$$\frac{mean(group1) - mean(group2)}{SD(group1)}$$
 SD represents the Standard Deviation.

As an example, an effect size of 0.8 means that the score of the average person in group 1 is 0.8 standard deviations above the average person in group 2, and hence exceeds the scores of 79% of group 2. Unlike statistical significance, the effect size statistic is independent of the group size and therefore considered more informative. It shows the degree of a "meaningful" difference between the two groups.

Interpretation: it is accepted to consider effect sizes of 0.8 or more as large, between 0.8 and 0.2 as moderate, and of 0.2 and smaller as small.

Macro level:

The *macro* level is a global one: province, community, school board as a whole. Average results for one community can be compared with average results for the rest of the city, province, or country, to determine whether, on average, children in this community are more or less ready to learn at school than children in those other places. It is the first step in looking at the EDI results. The major advantage of this level of analysis is that it puts the results of the EDI into perspective. Information provided at the macro level usually needs to be acted upon at that level.

Frequently, however, the results of the EDI on the macro level of analysis may not be striking enough to indicate broad action. Community-level average values do not tell us whether there are some children in the community who are not doing all right. It is the differences between neighbourhoods, (which often offset each other in global comparisons) that turn the EDI results into a community mobilization tool. It is the *micro* level that makes the difference.

Mean:

The average value of a set of numbers. All scores are added together, and then divided by the number of children contributing data.



Micro level:

Considering the results of the EDI on the *micro* level is like taking a magnifying glass to the "macro" set of results. On the micro level, the EDI results are analyzed school by school, and neighbourhood by neighbourhood.

The micro level shows how children in a particular neighbourhood are doing: where, despite neighbourhoods being disadvantaged, children seem to be ready to learn, and where, despite a high average socio-economic status, the neighbourhood schools seem to be lagging behind. In particular schools, it indicates areas of strengths that have to be cultivated, and points to areas of difficulties that students may have that need to be addressed.

Once the district-level EDI results are put in perspective, the individual school-level results can be explored. As stated before, the Early Development Instrument is designed to measure the outcomes of children's early years, and not the school's performance. Thus, relating the EDI results to the characteristics of neighbourhoods is more appropriate.

The school-level reports with the accompanying descriptive profiles for each domain, were designed to assist with the interpretation of the EDI results at the school level.

Missing Data:

Missing includes data that could not be computed, that means 'I don't know' responses, and responses left blank.

Multiple Challenge Index:

As outlined in the Behavioural Profiles report, there are 16 sub-domains within the five major domains of the EDI. Each of the sub-domains represents a relatively homogeneous aspect of a child's development.

A "challenge" ability range was identified within each sub-domain, based on the range of scores. For each sub-domain, zero (0), equivalent to a child having no ability in all items within the sub-domain, was the lower boundary. The "challenge" cut-off boundary (i.e., the one below which a child would be classified as having the challenge) was based on a mix of poor and average scores.

Analysis of the distribution of the number of challenges in one or more sub-domain indicated that having scores below the challenge ability in 9 or more pointed to serious problems in multiple domains. Three of the 5 domains have 4 sub-domains, one has 3, and the last one has 1. Therefore experiencing challenge in 9 sub-domains means that they are from at least 3 of the major five developmental domains.

The Multiple Challenge Index is therefore an indicator of a child experiencing challenges in at least three EDI domains. The MCI is scored based on challenges in 9 or more sub-domains, and is expressed as "existence of multiple challenges" (1), or "no multiple challenges" (0).

Detailed descriptions and cut-off boundaries for each of the sub-domains are listed on our website at http://www.offordcentre.com/readiness/results.html.



Percentiles:

Scores on each scale for all children in a site can be arranged from the lowest to the highest, and this could be called a "distribution of scores" (*an example for a 200 children). Then, they can be divided into groups, based on THE NUMBER OF CHILDREN in the site. It is most common to divide distribution into four groups, each consisting of scores of a quarter or one-fourth or 25% of the children in the site. These groups are called percentiles.

For example, if we arranged the Social Competence scores for a site with 200 children from the lowest to the highest, the first 50 scores from the lowest will be the lowest (or "bottom") 25th percentile. The next 50 scores, starting right after the last in the previous group, will be the next 25th percentile, which is from the 51st to the 100th score. The next 50 scores will be the next 25th percentile, from 101st to 150th score, and finally, we are left with the last 50 scores (from 151st to 200th, the highest), which are the best or the "top" 25th percentile.

The actual score of the 50th child in the distribution (in this example, or the score of the 30th child in a cohort of 120, or 100th in a cohort of 400, etc. – the one on which the first one-fourth of children ends) is the lowest 25th percentile boundary.

Special Needs Children:

Please use the general and Saskatchewan-specific guidelines provided below.

	Child identified already as needing special assistance due to chronic medical, physical, or mental	
Yes	disabling conditions (e.g., autism, fetal alcohol syndrome, Down syndrome)	
	Child requires special assistance in the classroom	
	* Gifted or talented (please mark, instead, their special talents in Section B, questions 34-39)	
	If you only suspect that the child may be suffering from a disabling condition, or the condition is not	
No	severe enough for the child to be classified as "special needs" (please indicate the problem in	
	Section D of the questionnaire)	

Saskatchewan Education Act, section 178 (1) definition of special needs:

A pupil who has been assessed by a board of education or the conseil scolaire in accordance with this section and the regulations as having a capacity to learn that is compromised by a cognitive, social-emotional, behavioural or physical condition.

Standard Deviation:

Standard Deviation (\pm SD) indicates the range in which approximately two-thirds of the scores fall. For example, two-thirds of the scores on the normative cohort's "physical health and well-being" fall between 8.79 - 1.05 (7.74) and 8.79 + 1.05 (9.84).