## 2010/11 Downtown Community Report Are our children ready for school?

#### Early Development Instrument (EDI) Results for your Community

This report shows the "readiness for school" of Kindergarten children in your community, based on results from the EDI. Readiness for school is a baseline of children's readiness to begin grade one. As children's readiness for school is influenced by their early years - and the family and community factors that shape children's early childhood development - EDI results are a reflection of the strengths and needs of children's communities.

#### Are we ready?

Research tells us that children who begin school ready to learn will have future successes in learning throughout their lives. But how do we help children get this best start to school? The answer is what societies have known for generations – it takes a village to raise a child.

Ready parents and families, ready communities and schools, and ready governments and leaders, working together, promote the best possible outcomes for Manitoba's children. For information on how communities, child care providers, school divisions and schools, community groups, and service providers develop partnerships and programs that best address the needs of communities, as evidenced by EDI results, please read the Healthy Child Manitoba EDI Teacher Newsletter at <a href="https://www.gov.mb.ca/healthychild/edi/resources.html">www.gov.mb.ca/healthychild/edi/resources.html</a>.

Community-level EDI reports are developed for the 26 parent child coalitions in Manitoba. For these community reports, the EDI results are grouped by where children live – rural municipality or Winnipeg neighbourhood – and are used by coalitions to address the strengths and needs of individual communities. To view other community EDI reports, please visit www.gov.mb.ca/healthychild/edi/edi reports.html.

#### The EDI measures:

#### **Physical Health and Well-Being**

Children are healthy, independent, rested each day

#### **Social Competence**

Children play and get along with others, share, show self-confidence

#### **Emotional Maturity**

Children are able to concentrate on tasks, help others, show patience, are not often aggressive nor angry

#### Language and Thinking Skills

Children are interested in reading and writing, can count and recognize numbers, shapes

#### **Communication Skills and General Knowledge**

Children can tell a story, communicate with adults and other children





#### **Questionnaires used for Analyses**

This table shows the number of children with special needs and with invalid questionnaires. Children without special needs and with valid questionnaires are used in the analyses on the following pages.

Descriptive information	2005/06	2006/07	2008/09	2010/11	Manitoba 2005/06 Baseline
Your Community:	Count	Count	Count	Count	Count
	(%)	(%)	(%)	(%)	(%)
EDI questionnaires completed	785	693	658	741	12,214
Invalid EDI questionnaires	84	57	73	63	542
	(11%)	(8%)	(11%)	(9%)	(4%)
Students with special needs	63	21	22	28	643
	(8%)	(3%)	(3%)	(4%)	(5%)
Invalid EDI questionnaires and Number of special needs (combined)	130	81	95	88	1,066
	(17%)	(12%)	(14%)	(12%)	(9%)
Number of valid questionnaires without special needs	655	612	563	653	11,148
	(83%)	(88%)	(86%)	(88%)	(91%)

#### **Descriptive Information**

This table provides descriptive information on the EDI collection within your community.

Descriptive Information	2005/06	2006/07	2008/09	2010/11	Manitoba 2005/06 Baseline
Your Community:	Count	Count	Count	Count	Count
	(%)	(%)	(%)	(%)	(%)
Students who require further assessment	91	97	98	78	1,421
	(12%)	(14%)	(15%)	(11%)	(12%)
Students who are Boys	399	351	328	381	6,300
	<b>(51%)</b>	(51%)	(50%)	(51%)	(52%)
Average age of student	5.6	5.7	5.7	5.7	5.6 years
Students with EAL	154	126	141	118	1,075
	(20%)	(18%)	(21%)	(16%)	(9%)
Students with FAL	1	4	3	8	160
	(14%)	(44%)	(60%)	(62%)	(37%)
Students who have recently immigrated **	NA	NA	77 (12%)	91 (12%)	** 574 (5%)
Students who identify as	193	210	209	248	2,165
Aboriginal	(25%)	(30%)	(32%)	(33%)	(18%)

<sup>\*\*</sup> Students who have Recently Immigrated question was added in the 2008/09 collection

EAL = English as on additional language (for non-French schools)

FAL = French as an additional language (for French schools)

#### **Average EDI Scores**

The EDI has been collected province-wide (all of Manitoba's public school divisions) from school years 2005/06, 2006/07, 2008/09 and 2010/11. This table shows average EDI scores across the five domains of the EDI, and provides a statistical comparison analysis between Manitoba's 2005/06 baseline average scores and your community's combined 4 year average scores.

Average scores ('10' is best possible score)	2005/06	2006/07	2008/09	2010/11	Your Community (all 4 years)	Manitoba 2005/06 Baseline
Your Community:						
Physical Health & Well-being	8.5	8.4	8.4	8.3	8.4 ‡	8.8
Social Competence	8.2	8.2	7.9	7.9	8.0 ‡	8.3
Emotional Maturity	7.8	7.8	7.6	7.7	7.8 ‡	7.9
Language & Thinking Skills	7.7	7.7	7.7	7.4	7.6 ‡	8.1
Communication Skills & General Knowledge	7.2	7.1	6.7	6.5	6.9 ‡	7.6

<sup>†</sup> The combined four year average score for your community is significantly higher than the Manitoba 2005/06 baseline average score.



**<sup>‡</sup>** The combined four year average score for your community is significantly lower than the Manitoba 2005/06 baseline average score.

#### **Very Ready and Not Ready Results**

The following tables show the **Very Ready** and **Not Ready** EDI results across the five domains of the EDI, and provide a comparison analysis between Manitoba's 2005/06 baseline Very Ready and Not Ready results and your community's combined four year Very Ready and Not Ready results.

#### Very Ready Results

Proportion of children whose scores fall within the top 30th percentile of EDI scores.

Very Ready Results (top 30th percentile)	2005/06	2006/07	2008/09	2010/11	Your Community (all 4 years)	Manitoba 2005/06 Baseline
Your Community:						
Physical Health & Well-being	27	23	21	21	23 ‡	32
Social Competence	32	33	29	25	30 ‡	34
Emotional Maturity	20	19	18	23	20 ‡	28
Language & Thinking Skills	21	23	22	20	21‡	30
Communication Skills & General Knowledge	30	32	26	22	28‡	34

In the data table above, more than 30 per cent of children  Very Ready reflects a strength in that area							
Very Ready in 1 or more domains	55	56	51	49	53 ‡	62	
Very Ready in 2 or more domains	35	38	32	32	34‡	43	

<sup>†</sup> After combining data from all four years, the percentage of children in your community who are **Very Ready** is significantly higher than the Manitoba baseline percentages.

<sup>‡</sup> After combining data from all four years, the percentage of children in your community who are **Very Ready** is significantly lower than the Manitoba baseline percentages.

#### Reader's Tip

**Very Ready** results reflect the proportion of children whose scores fall within the top 30th percentile of EDI scores. **Not Ready** results reflect the proportion of children whose scores fall within the bottom 10th percentile of EDI scores. The Very Ready and Not Ready results have been derived using Canadian Standardized cut-off scores for the top 30th percentile category and the bottom 10th percentile category. This allows us to detect gains or losses related to Very Ready results and Not Ready results over the years.

Not Ready scores Bottom 10th Percentile

Mid-range scores
11th to 69th
Percentile

Very Ready scores
Top
30th Percentile

#### Not Ready Results

Proportion of children whose scores fall within the bottom 10th percentile of EDI scores.

Not Ready Results (bottom 10th percentile)	2005/06	2006/07	2008/09	2010/11	Your Community (all 4 years)	Manitoba 2005/06 Baseline
Your Community:						
Physical Health & Well-being	12	16	15	15	15 <sup>†</sup>	11
Social Competence	10	11	16	17	13 <sup>†</sup>	9
Emotional Maturity	10	10	12	13	11	12
Language & Thinking Skills	17	17	17	18	17 †	12
Communication Skills & General Knowledge	14	14	19	19	16 †	11
In the data table above, more than 10 per cent of children Not Ready reflects a need in that area						
Not Ready in 1 or more domains	33	34	36	39	36 †	29
Not Ready in 2 or more domains	18	16	22	21	19 †	14

- † After combining data from all four years, the percentage of children in your community who are **Not Ready** is significantly higher than the Manitoba baseline percentages.
- **‡** After combining data from all four years, the percentage of children in your community who are **Not Ready** is significantly lower than the Manitoba baseline percentages.

#### **Very Ready and Not Ready Maps**

As done in previous Community reports, EDI results are also mapped by where children live, using children's residential postal code at time of EDI collection. The resulting data maps present **Very Ready** and **Not Ready** EDI results across the five domains of the EDI at a Winnipeg neighbourhood or Rural Municipality level. These Very Ready and Not Ready maps have been derived using Canadian Standardized cut-off scores for the top 30th percentile category and the bottom 10th percentile category. This allows us to detect gains or losses related to Very Ready results and Not Ready results over the years.

#### **Very Ready Maps**

The following 2010/11 Very Ready maps reflect the proportion of children in your community whose scores fall within the top 30th percentile of EDI scores.

#### **Community Legend**

- ARMSTRONG POINT (<7)</li>
- BROADWAY-ASSINIBOINE (19)
- 3. CENTENNIAL (44)
- CENTRAL PARK (45)
- 5. CHINA TOWN (<7)
- 6. COLONY (<7)
- 7. DANIEL McINTYRE (101)
- 8. EXCHANGE DISTRICT (<7)
- 9. LEGISLATURE (<7)
- 10. LOGAN-C.P.R. (<7)
- 11. MINTO (64)
- 12. POLO PARK (<7)
- 13. PORTAGE-ELLICE (<7)
- 14. SARGENT PARK (69)
- 15. SOUTH PORTAGE (31)
- 16. SPENCE (47)
- 17. ST. MATTHEWS (73)
- 18. WEST ALEXANDER (47)
- 19. WEST BROADWAY (37)
- 20. WOLSELEY (61)

(Number in parentheses is the number of children)

LOGAN-C.P.R.

#### PHYSICAL HEALTH & WELL-BEING **SOCIAL COMPETENCE** Neighbourhood Neighbourhood Neighbourhood Neighbourhood ARMSTRONG POINT MINTO ARMSTRONG POINT BROADWAY-BROADWAY-**POLO PARK** POLO PARK **ASSINIBOINE ASSINIBOINE** PORTAGE-ELLICE PORTAGE-ELLICE CENTENNIAL CENTENNIAL CENTRAL PARK SARGENT PARK SARGENT PARK CENTRAL PARK **CHINA TOWN CHINA TOWN** COLONY COLONY SPENCE SPENCE DANIEL McINTYRE ST. MATTHEWS DANIEL McINTYRE ST. MATTHEWS **EXCHANGE EXCHANGE** WEST WEST ALEXANDER DISTRICT **ALEXANDER** DISTRICT WEST WEST **LEGISLATURE LEGISLATURE BROADWAY BROADWAY** LOGAN-C.P.R. LOGAN-C.P.R. WOLSELEY **LANGUAGE & THINKING SKILLS EMOTIONAL MATURITY** Neighbourhood Neighbourhood Neighbourhood Neighbourhood ARMSTRONG POINT MINTO ARMSTRONG POINT MINTO BROADWAY BROADWAY POLO PARK POLO PARK **ASSINIBOINE ASSINIBOINE** PORTAGE-ELLICE PORTAGE-ELLICE CENTENNIAL CENTENNIAL CENTRAL PARK CENTRAL PARK SARGENT PARK SARGENT PAR SOUTH PORTAGE SOUTH PORTAGE CHINA TOWN CHINA TOWN COLONY **SPENCE** COLONY SPENCE DANIEL McINTYRE ST. MATTHEWS ST. MATTHEWS DANIEL McINTYRE **EXCHANGE EXCHANGE** DISTRICT **ALEXANDER** DISTRICT **ALEXANDER** WEST WEST LEGISLATURE LEGISLATURE **BROADWAY BROADWAY** LOGAN-C.P.R. WOLSELEY **COMMUNICATION SKILLS** & GENERAL KNOWLEDGE Neighbourhood Neighbourhood Large % of children Very Ready ARMSTRONG POINT MINTO BROADWAY-POLO PARK Moderate % children Very Ready **ASSINIBOINE** PORTAGE-ELLICE CENTENNIAL Small % of children Very Ready CENTRAL PARK SARGENT PARK SOUTH PORTAGE CHINA TOWN Unable to report COLONY **SPENCE** DANIEL McINTYRE ST. MATTHEWS **EXCHANGE** WEST Large per cent of children Very Ready DISTRICT **ALEXANDER** reflects a strength in that area of WEST LEGISLATURE **BROADWAY** development.

#### **Not Ready Maps**

The following 2010/11
Not Ready maps reflect the proportion of children in your community whose scores fall within the bottom 10th percentile of EDI scores.

#### **Community Legend**

- 1. ARMSTRONG POINT (<7)
- 2. BROADWAY-ASSINIBOINE (19)
- 3. CENTENNIAL (44)
- 4. CENTRAL PARK (45)
- 5. CHINA TOWN (<7)
- 6. COLONY (<7)
- 7. DANIEL McINTYRE (101)
- 8. EXCHANGE DISTRICT (<7)
- 9. LEGISLATURE (<7)
- 10. LOGAN-C.P.R. (<7)
- 11. MINTO (64)
- 12. POLO PARK (<7)
- 13. PORTAGE-ELLICE (<7)
- 14. SARGENT PARK (69)
- 15. SOUTH PORTAGE (31)
- 16. SPENCE (47)
- 17. ST. MATTHEWS (73)
- 18. WEST ALEXANDER (47)
- 19. WEST BROADWAY (37)
- 20. WOLSELEY (61)

(Number in parentheses is the number of children)

#### **PHYSICAL HEALTH & WELL-BEING**

# Neighbourhood ARMSTRONG POINT BROADWAYASSINIBOINE CENTENNIAL CENTRAL PARK CHINA TOWN COLONY DANIEL McINTYRE EXCHANGE

DISTRICT

LEGISLATURE LOGAN-C.P.R. Neighbourhood
MINTO
POLO PARK
PORTAGE-ELLICE
SARGENT PARK
SOUTH PORTAGE
SPENCE
ST. MATTHEWS
WEST
ALEXANDER
WEST
BROADWAY
WOLSELEY

#### **SOCIAL COMPETENCE**

**LANGUAGE & THINKING SKILLS** 

Neighbourhood
ARMSTRONG POINT
BROADWAY-
ASSINIBOINE
CENTENNIAL
CENTRAL PARK
CHINA TOWN
COLONY
DANIEL MCINTYRE
EXCHANGE
DISTRICT
LEGISLATURE
LOGAN-C.P.R.

POLO PARK

PORTAGE-ELLICE

SARGENT PARK

SOUTH PORTAGE

SPENCE

ST. MATTHEWS

WEST

ALEXANDER

WEST

BROADWAY

WOLSELEY

Neighbourhood

#### **EMOTIONAL MATURITY**

Neighbourhood
ARMSTRONG POINT
BROADWAY-
ASSINIBOINE
CENTENNIAL
CENTRAL PARK
CHINA TOWN
COLONY

CHINA TOWN
COLONY
DANIEL McINTYRE
EXCHANGE
DISTRICT
LEGISLATURE
LOGAN-C.P.R.

Neighbourhood
MINTO
POLO PARK
PORTAGE-ELLICE
SARGENT PARK
SOUTH PORTAGE
SPENCE
ST. MATTHEWS
WEST
ALEXANDER
WEST
BROADWAY
WOLSELEY

# Neighbourhood ARMSTRONG POINT BROADWAYASSINIBOINE CENTENNIAL CENTRAL PARK CHINA TOWN COLONY DANIEL MCINTYRE EXCHANGE DISTRICT LEGISLATURE LOGAN-C.P.R.

Neighbourhood
MINTO
POLO PARK
PORTAGE-ELLICE
SARGENT PARK
SOUTH PORTAGE
SPENCE
ST. MATTHEWS
WEST
ALEXANDER
WEST
BROADWAY
WOLSELEY

### COMMUNICATION SKILLS & GENERAL KNOWLEDGE

ARMSTRONG POINT BROADWAY- ASSINIBOINE CENTENNIAL CENTRAL PARK CHINA TOWN COLONY DANIEL McINTYRE EXCHANGE DISTRICT LEGISLATURE	Neighbourhood
ASSINIBOINE CENTENNIAL CENTRAL PARK CHINA TOWN COLONY DANIEL MCINTYRE EXCHANGE DISTRICT	ARMSTRONG POINT
CENTENNIAL CENTRAL PARK CHINA TOWN COLONY DANIEL MCINTYRE EXCHANGE DISTRICT	BROADWAY-
CENTRAL PARK CHINA TOWN COLONY DANIEL McINTYRE EXCHANGE DISTRICT	ASSINIBOINE
CHINA TOWN COLONY DANIEL McINTYRE EXCHANGE DISTRICT	CENTENNIAL
COLONY  DANIEL MCINTYRE  EXCHANGE DISTRICT	CENTRAL PARK
DANIEL McINTYRE EXCHANGE DISTRICT	CHINA TOWN
EXCHANGE DISTRICT	COLONY
	DANIEL McINTYRE
LEGISLATURE	EXCHANGE DISTRICT
	LEGISLATURE
LOGAN-C.P.R.	LOGAN-C.P.R.

Najahhawahaad

Neighbourhood
MINTO
POLO PARK
PORTAGE-ELLICE
SARGENT PARK
SOUTH PORTAGE
SPENCE
ST. MATTHEWS
WEST ALEXANDER
WEST BROADWAY
WOLSELEY

Large % of children Not Ready
Moderate % children Not Ready
Small % of children Not Ready
Unable to report

Large per cent of children Not Ready reflects a need in that area of development.

The following data graphs provide additional analyses regarding the domains of the EDI. Each EDI domain contains results for its sub-categories, or **sub-domains**. Sub-domain data provides a more detailed examination of your community's EDI data.

The following bar graphs provide a comparison analysis between Manitoba's 2005/06 baseline **Not Ready** sub-domain results and your community's combined four year Not Ready sub-domain results.

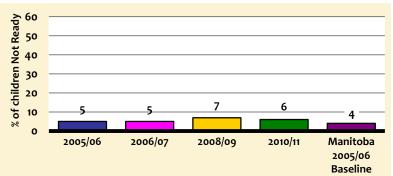
**Not Ready** sub-domain scores are not based on the lowest 10<sup>th</sup> percentile scores. To determine if your community has a need in any of the sub-domains, compare your community results with the Manitoba baseline, as provided.

The following graphs illustrate the Not Ready results for **Physical Health and Well-Being** sub-domains for your community over time:

#### Physical readiness for school day

Not ready in this sub-domain means children come unprepared for the school day (e.g. being dressed inappropriately for the weather; or coming to school late, hungry, and/or tired).

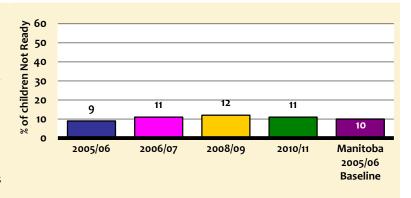
When we compare your community's combined four year data with the Manitoba baseline, your community shows a \*higher proportion of children Not Ready in this sub-domain compared to Manitoba.



#### Physical independence

Not Ready in this sub-domain means children range 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.

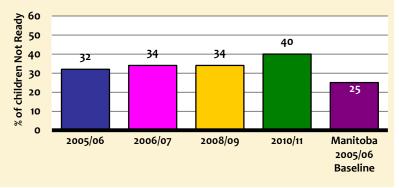
When we compare your community's combined four year data with the Manitoba baseline, your community shows a **similar** proportion of children Not Ready in this sub-domain compared to Manitoba.



#### Gross and fine motor skills

Not Ready in this sub-domain means children have difficulty performing skills requiring gross and fine motor competence, and have poor overall energy levels and physical skills.

When we compare your community's combined four year data with the Manitoba baseline, your community shows a \*higher proportion of children Not Ready in this sub-domain compared to Manitoba.



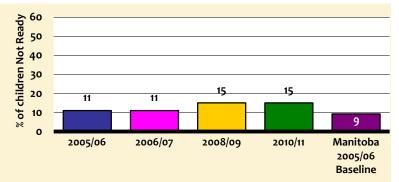
<sup>\*</sup> Difference is statistically significant. Statistical testing was done using logistic regression, controlling for age and gender with a 95% confidence interval.

The following graphs illustrate the Not Ready results for **Social Competence** sub-domains for your community over time:

#### **Overall social competence**

Not Ready in this sub-domain means children have average to poor overall social skills, low self-confidence and are rarely able to play with various children and interact cooperatively.

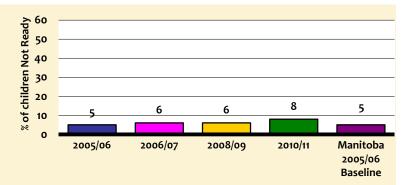
When we compare your community's combined four year data with the Manitoba baseline, your community shows a \*higher proportion of children 'not ready' in this sub-domain compared to Manitoba.



#### Responsibility and respect

Not Ready in this sub-domain means children only sometimes or never accept responsibility for actions, show respect for others and for property, demonstrate self-control, and are rarely able to follow rules and take care of materials.

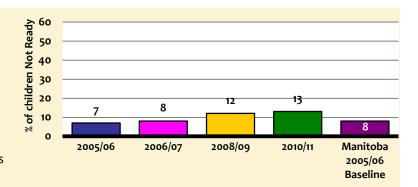
When we compare your community's combined four year data with the Manitoba baseline, your community shows a **similar** proportion of children 'not ready' in this sub-domain compared to Manitoba.



#### Approaches to learning

Not Ready in this sub-domain means children only sometimes or never work neatly, independently, are rarely able to solve problems, follow class routines and do not easily adjust to changes in routines.

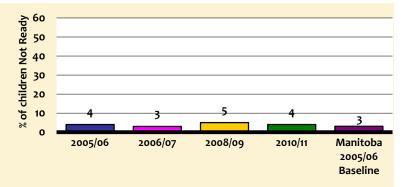
When we compare your community's combined four year data with the Manitoba baseline, your community shows a **similar** proportion of children 'not ready' in this sub-domain compared to Manitoba.



#### Readiness to explore new things

Not Ready in this sub-domain means children only sometimes or never show curiosity about the world, and are rarely eager to explore new books, toys and games.

When we compare your community's combined four year data with the Manitoba baseline, your community shows a **similar** proportion of children 'not ready' in this sub-domain compared to Manitoba.



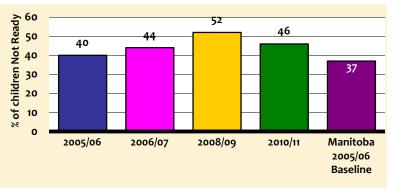
<sup>\*</sup> Difference is statistically significant. Statistical testing was done using logistic regression, controlling for age and gender, with a 95% confidence interval.

The following graphs illustrate the Not Ready results for **Emotional Maturity** sub-domains for your community over time:

#### Prosocial and helping behaviour

Not Ready in this sub-domain means children never or almost never show most of the helping behaviours; they do not help someone hurt, sick or upset; and do not invite bystanders to join in.

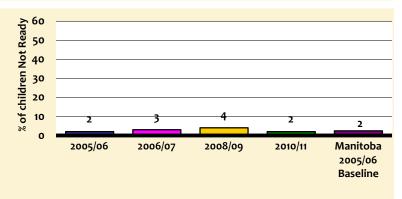
When we compare your community's combined four year data with the Manitoba baseline, your community shows a \*higher proportion of children 'not ready' in this sub-domain compared to Manitoba.



#### Anxious and fearful behaviour

Not Ready in this sub-domain means children often show most of the anxious behaviours; they could be worried, unhappy, nervous, sad or excessively shy, indecisive; and they can be upset when dropped off at school.

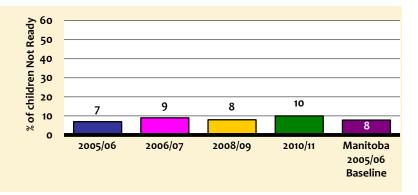
When we compare your community's combined four year data with the Manitoba baseline, your community shows a **similar** proportion of children 'not ready' in this sub-domain compared to Manitoba.



#### Aggressive behaviour

Not Ready in this sub-domain means children 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.

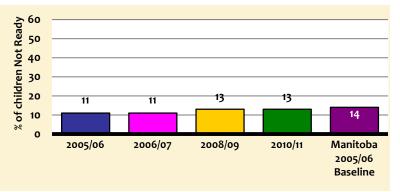
When we compare your community's combined four year data with the Manitoba baseline, your community shows a **similar** proportion of children 'not ready' in this sub-domain compared to Manitoba.



#### Hyperactivity and inattention

Not Ready in this sub-domain means children often show most of the hyperactive behaviours; they could be restless, distractible, impulsive; they fidget and have difficulty settling to activities.

When we compare your community's combined four year data with the Manitoba baseline, your community shows a \*lower proportion of children 'not ready' in this sub-domain compared to Manitoba.



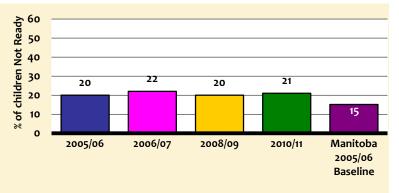
<sup>\*</sup> Difference is statistically significant. Statistical testing was done using logistic regression, controlling for age and gender, with a 95% confidence interval.

The following graphs illustrate the Not Ready results for **Language and Thinking Skills** sub-domains for your community over time:

#### **Basic Literacy**

Not Ready in this sub-domain means children do not have most of the basic literacy skills; they have problems with identifying letters or attaching sounds to them, rhyming; may not know writing direction (left to right), and how to write their own name.

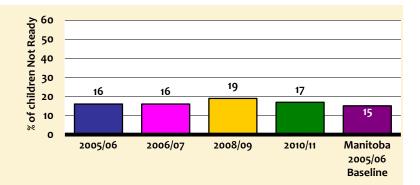
When we compare your community's combined four year data with the Manitoba baseline, your community shows a \*higher proportion of children 'not ready' in this sub-domain compared to Manitoba.



#### **Interest & Memory**

Not Ready in this sub-domain means children may not show interest in books and reading, or math and number games, or both; and may have difficulty remembering things.

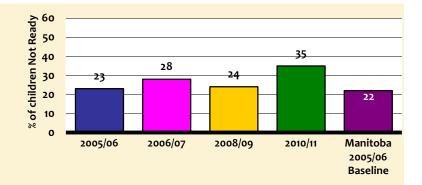
When we compare your community's combined four year data with the Manitoba baseline, your community shows a \*higher proportion of children 'not ready' in this sub-domain compared to Manitoba.



#### **Complex literacy**

Not Ready in this sub-domain means children have only up to one of the advanced literacy skills; cannot read or write simple words, or sentences and rarely writes voluntarily.

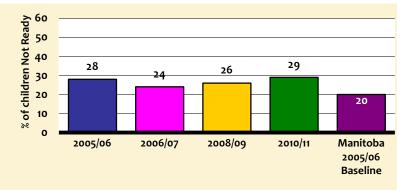
When we compare your community's combined four year data with the Manitoba baseline, your community shows a \*higher proportion of children 'not ready' in this sub-domain compared to Manitoba.



#### **Basic Numeracy**

Not Ready in this sub-domain means children 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.

When we compare your community's combined four year data with the Manitoba baseline, your community shows a \*higher proportion of children 'not ready' in this sub-domain compared to Manitoba.



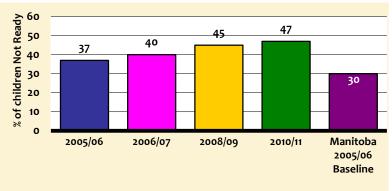
<sup>\*</sup> Difference is statistically significant. Statistical testing was done using logistic regression, controlling for age and gender, with a 95% confidence interval.

The following graphs illustrate the Not Ready results for **Communication Skills and General Knowledge** sub-domain for your community over time:

#### **Communication Skills & General Knowledge**

Not Ready in this sub-domain means children have difficulty speaking and understanding the language of instruction; participating in imaginative play; communicating own needs in understandable ways; and have difficulty in answering questions about the world.

When we compare your community's combined four year data with the Manitoba baseline, your community shows a \*higher proportion of children 'not ready' in this subdomain compared to Manitoba.



<sup>\*</sup> Difference is statistically significant. Statistical testing was done using logistic regression, controlling for age and gender, with a 95% confidence interval.

#### **Multiple Challenge Index**

There are 16 sub-domains within the domains of the EDI (the previous pages have presented these sub-domain results for your community). This chart presents the multiple challenge index (MCI), which shows the proportion of children who have multiple challenges in 9 or more sub-domains.

Multiple Challenges	2005/06	2006/07	2008/09	2010/11	Your Community (all 4 years)	2005/06 Manitoba Baseline
Your Community	6	6	7	8	7 †	5

<sup>†</sup> After combining data from all four years, the percentage of children in your community who have multiple challenges is significantly higher than the Manitoba baseline percentages.

<sup>‡</sup> After combining data from all four years, the percentage of children in your community who have multiple challenges is significantly lower than the Manitoba baseline percentages.

## Group Comparisons Between Boys and Girls

There are many different factors that influence EDI results. This table shows the average scores in your community for **boys and girls**. Differences between these two groups were compared using the combined 4 years of data.

Average scores ('10' is best possible score)	Combined Data for 2005/06, 2006/07, 2008/09, and 2010/11			
Your Community:	Girls	Boys		
Number of Children	1,236	1,246		
Physical Health & Well-being	8.6 *	8.2		
Social Competence	8.4 *	7.7		
Emotional Maturity	8.1 *	7.4		
Language & Thinking Skills	7.9 *	7.3		
Communication Skills & General Knowledge	7.2 *	6.5		

<sup>\*</sup> The average score for girls is significantly higher than boys average score.

## **Group Comparisons Between Age Groups**

There are many different factors that influence EDI results. This table shows the average scores in your community for **two age groups** - older than 5.6 years at the time of EDI collection, and younger than 5.6 years at the time of EDI collection. Differences between these two age groups were compared using the combined 4 years of data.

Average scores ('10' is best possible score)	Combined Data for 2005/06, 2006/07, 2008/09, and 2010/11				
Your Community:	Older than 5.6 years	Younger than 5.6 years			
Number of Children	1,321	1,159			
Physical Health & Well-being	8.5 *	8.3			
Social Competence	8.2 *	7.9			
Emotional Maturity	7.9 *	7.6			
Language & Thinking Skills	7.9 *	7.4			
Communication Skills & General Knowledge	7.2 *	6.5			

<sup>\*</sup> The average score for older children is significantly higher than younger children's average score.

<sup>\*\*</sup> The average score for girls is significantly lower than boys average score.

Statistical testing was done using regression analysis, controlling for age, with a 95% confidence interval.

<sup>\*\*</sup> The average score for older children is significantly lower than younger children's average score. Statistical testing was done using regression analysis, controlling for gender, with a 95% confidence interval.

#### Group Comparisons Between Language Groups

There are many different factors that influence EDI results. This table shows the average scores in your community for two groups - children with EAL/FAL and children without EAL/FAL. Differences between these two groups were compared using the combined 4 years of data.

Average scores ('10' is best possible score)	Combined Data for 2005/06, 2006/07, 2008/09, and 2010/11			
Your Community:	Without EAL	With EAL	Without FAL	With FAL
Number of Children	2,016	467	15	15
Physical Health & Well-being	8.4 **	8.5	9.4 *	8.5
Social Competence	8.0	8.2	8.2	6.6
Emotional Maturity	7.8	7.8	7.2	6.3
Language & Thinking Skills	7.7 *	7.4	8.2 *	6.2
Communication Skills & General Knowledge	7.3 *	5.1	9.7 *	5.6

<sup>\*</sup> The average score for children without EAL/FAL is significantly higher than children with EAL/FAL.

# Group Comparisons Between Recently Immigrated and Not Recently Immigrated Groups

There are many different factors that influence EDI results. This table shows the average scores in your community for two groups – Recently Immigrated children (moved to Manitoba within the past two years) and Not Recently Immigrated Children. Differences between these two groups were compared using the combined 2 years of data.

Average scores ('10' is best possible score)	Combined Data for 2008/09 and 2010/11		
Your Community:	Not Recently Immigrated	Recently Immigrated	
Number of Children	1,068	139	
Physical Health & Well-being	8.3 **	8.6	
Social Competence	7.9	8.0	
Emotional Maturity	7.7	7.6	
Language & Thinking Skills	7.6 *	7.1	
Communication Skills & General Knowledge	6.8 *	4.8	

<sup>\*</sup> The average score for non-immigrant children is significantly higher than immigrant children's average score.

<sup>\*\*</sup> The average score for children without EAL/FAL is significantly lower than children with EAL/FAL. N/A: There are not enough students in one of the categories to make an accurate comparison Statistical testing was done using regression analysis, controlling for age & gender, with a 95% confidence interval.

<sup>\*\*</sup> The average score for non-immigrant children is significantly lower than immigrant children's average score. N/A: There are not enough students in one of the categories to make an accurate comparison Statistical testing was done using regression analysis, controlling for age & gender, with a 95% confidence interval.

#### **Group Comparisons Between Aboriginal and Non-Aboriginal Identity Groups**

There are many different factors that influence EDI results. This table shows the average scores in your community for two groups -**Identity and Children with** Aboriginal Identity. Differences between these

children with Non-Aboriginal two groups were compared using the combined 4 years of data.

Average scores ('10' is best possible score)	Combined Data for 2005/06, 2006/07, 2008/09, and 2010/11		
Your Community:	Non-Aboriginal	Aboriginal	
Number of Children	1,701	705	
Physical Health & Well-being	8.7 *	7.7	
Social Competence	8.4 *	7.3	
Emotional Maturity	8.0 *	7.3	
Language & Thinking Skills	8.0 *	6.8	
Communication Skills & General Knowledge	7.2 *	6.0	

<sup>\*</sup> The average score for non-Aboriginal children is significantly higher than Aboriginal children's average score.

#### **Important Note:**

The above chart does not tell the whole story related to Aboriginal children and their readiness for school. A larger proportion of Aboriginal children live in lower socio-economic conditions, so we investigated whether this was why so many Aboriginal children were Not Ready for school. We analyzed a sample from the 2005/06 Manitoba EDI Parent Survey data and controlled parental income, education and other risk factors. We found most of the differences between Non-Aboriginal children and Aboriginal children were no longer statistically significant. That is to say, socio-economic status and other risk factors, not Aboriginal identity, determined the lower EDI scores we see in the chart above.

#### **Aboriginal Children and** Readiness for School

This table shows the 2005/06 Manitoba comparison results between children with Non-Aboriginal Identity and Children with Aboriginal Identity when controlling for socio-economic demographics and other risk factors (using data from the 2005/06 Manitoba EDI Parent Survey). This analysis shows us that the differences between the Non-Aboriginal Children and Aboriginal Children are **not** statistically significant.

Average scores ('10' is best possible score)	From the Manitoba 2005/06 EDI Parent Survey		
Manitoba:	Non-Aboriginal	Aboriginal	
Number of Children	8,256	2,373	
Physical Health & Well-being	9.0	8.7	
Social Competence	8.5	8.3	
Emotional Maturity	8.1	8.0	
Language & Thinking Skills	8.5	8.2	
Communication Skills & General Knowledge	8.1	7.6	

None of these differences are statistically significant. These results are from the 2005/06 Manitoba EDI Parent Survey. Statistical testing was done using regression analysis, controlling for age, gender, parental income and education, and other risk factors, with a 95% confidence interval.

<sup>\*\*</sup> The average score for non-Aboriginal children is significantly lower than Aboriginal children's average score.

N/A: There are not enough students in one of the categories to make an accurate comparison Statistical testing was done using regression analysis, controlling for age & gender, with a 95% confidence interval.

For more information on Manitoba's EDI, visit the Healthy Child Manitoba website at www.gov.mb.ca/healthychild/edi

Healthy Child Manitoba 3rd floor - 332 Bannatyne Avenue Winnipeg, Manitoba R3A 0E2 Phone: 204-945-2266

Toll free: 1-888-848-0140 Fax: 204-948-2585

E-mail: healthychild@gov.mb.ca