

Early Development Instrument (EDI)

In combination with *resource inventories* and *community maps*, the *EDI* looks at how well our communities are doing in supporting early development and preparing our children for school (*readiness to learn*)

- Results in each EDI domain are scored on a *scale of 0-10* with *higher scores indicating better “readiness to learn”*
- The *ideal for communities* would be to have *all children achieve a score of 10 on each domain*



EDI Domains

The EDI reports on *populations of children*
at the community level on
5 major developmental domains:

1. Physical Health and Well-being
2. Social Competence
3. Emotional Maturity
4. Language and Cognitive Development
5. Communication Skills and General Knowledge

1. Physical Health and Well-being



1. Physical readiness for the school day
2. Physical independence
3. Gross and fine motor skills



2. Social Competence

1. Overall social competence
2. Responsibility and respect
3. Approaches to learning
4. Readiness to explore new things



3. Language and Cognitive Development

1. Basic literacy
2. Basic numeracy
3. Interest in literacy/numeracy and memory
4. Advanced literacy



4. Emotional Maturity

1. Prosocial and helping behaviour
2. Anxious and fearful behaviour
3. Aggressive behaviour
4. Hyperactivity and inattention

5. Communication Skills and General Knowledge

This domain is comprised of:

- Effective use of English language
- Understanding what is being said on first try



- Communicating needs in an understandable way to peers and teachers
- Answering questions showing knowledge about the world

Niagara Falls Research



NF Areas of Strength (2005)

CONGRATULATIONS!!

Good overall results!!

Since 2003, Niagara Falls scores have been above the national EDI averages!

Great subdomain results too!!

90% *ready to learn re: physical independence*

89% *demonstrating basic literacy and numeracy skills*

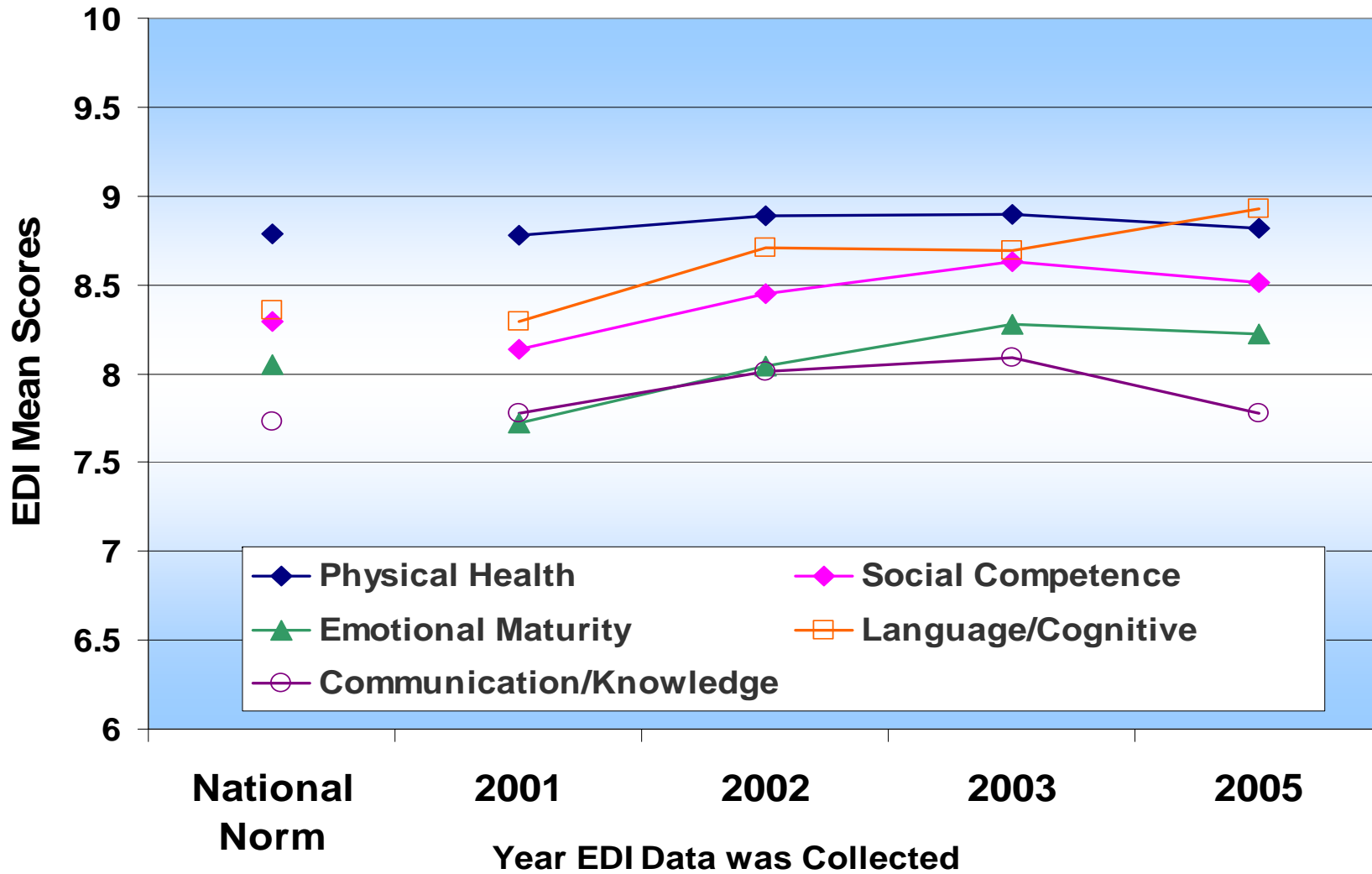
88% *with no anxious and/or fearful behaviours*

85% *ready to explore new things*

84% *demonstrating responsibility and respect*

EDI Means

Niagara Falls Compared to National Normative Means



5. Physical Health and Well-being

103 children scored in the **bottom 25%** in **2005**

- **91% (94) of those children are not ready to learn in the gross and fine motor skills sub-domain (17.6% of NF sample)**
- **30% (31) are not ready to learn due to difficulty physical readiness for the school day**



4. Language and Cognitive Development

114 children scored in the **bottom 25%** in **2005**

- **45% (51)** are not ready to learn in terms of **advanced literacy**
- **43% (49)** of these are not ready to learn with regard to interest in **literacy and numeracy and memory**
- **26% (30)** are not ready to learn in terms of **basic literacy and numeracy**



3. Social Competence

126 children scored in the **bottom 25% in 2005**

- **30% (38)** of these are not ready to learn due to challenges with **overall social competence**
- **30% (38)** of those children are not ready to learn due to **difficulty with their approach to learning.**



2. Emotional Maturity

141 children scored in the **bottom 25%** in **2005**

- **71% (100)** of these are not ready to learn due to difficulty with their **pro-social and helping behaviour** (18.8% of sample)
- **43% (61)** are not ready to learn due to difficulty with **hyperactivity and inattention**
- **23% (32)** are not ready to learn due to **aggressive behaviour**



1. Communication Skills / General Knowledge

150 children scored in the **bottom 25%** in **2005**

These children are having difficulty:

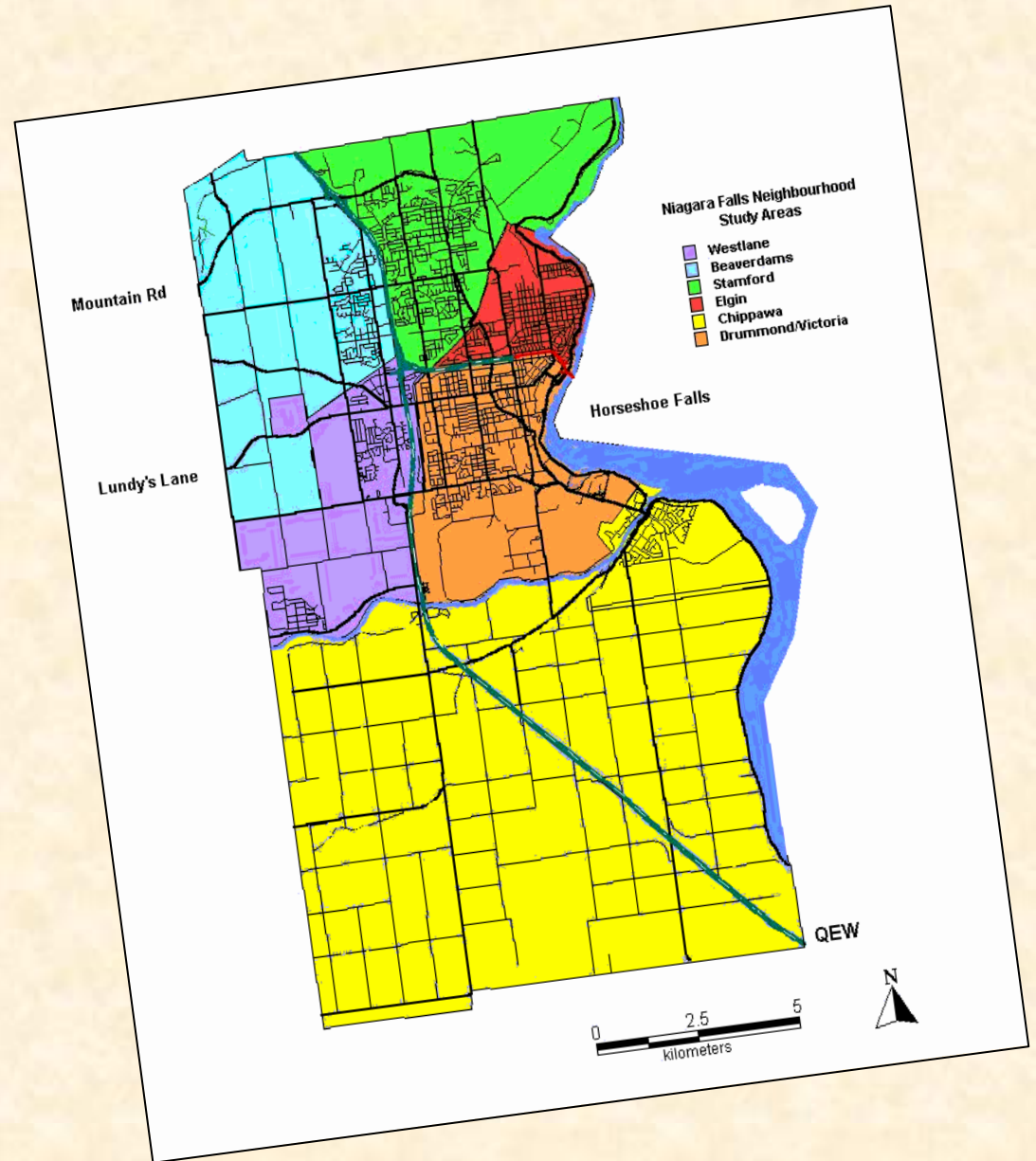
- **Using English language effectively**
- **Understanding what is said on first try**
- **Communicating needs in a way that is understandable**
- **Answering questions showing knowledge about the world**



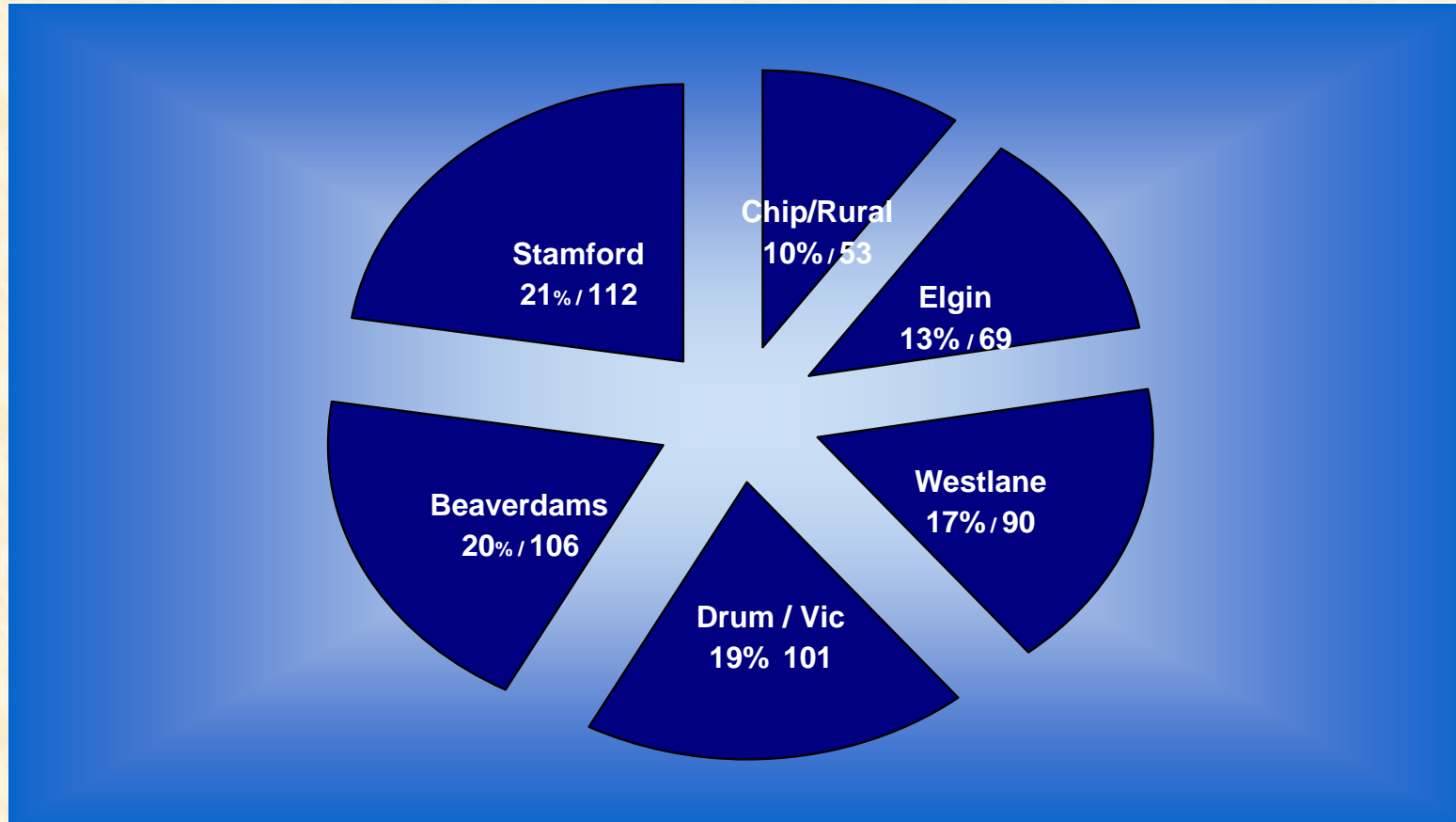
Results by Neighbourhood Study Area

Neighbourhood Study Areas:

-  **Beaverdams**
-  **Chippawa/Rural**
-  **Drummond/Victoria**
-  **Elgin**
-  **Stamford**
-  **Westlane**

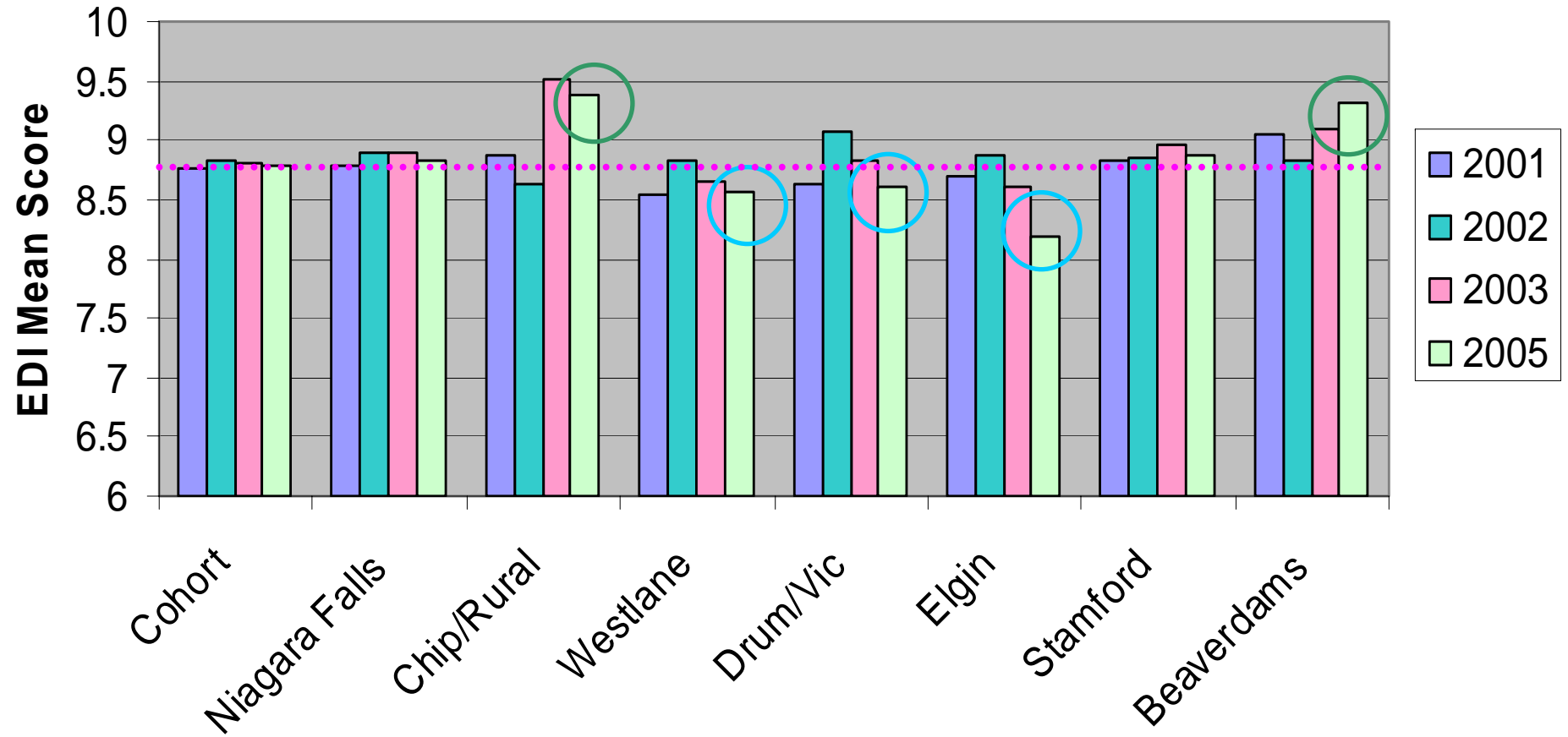


Distribution of SK Children in 2005 Sample

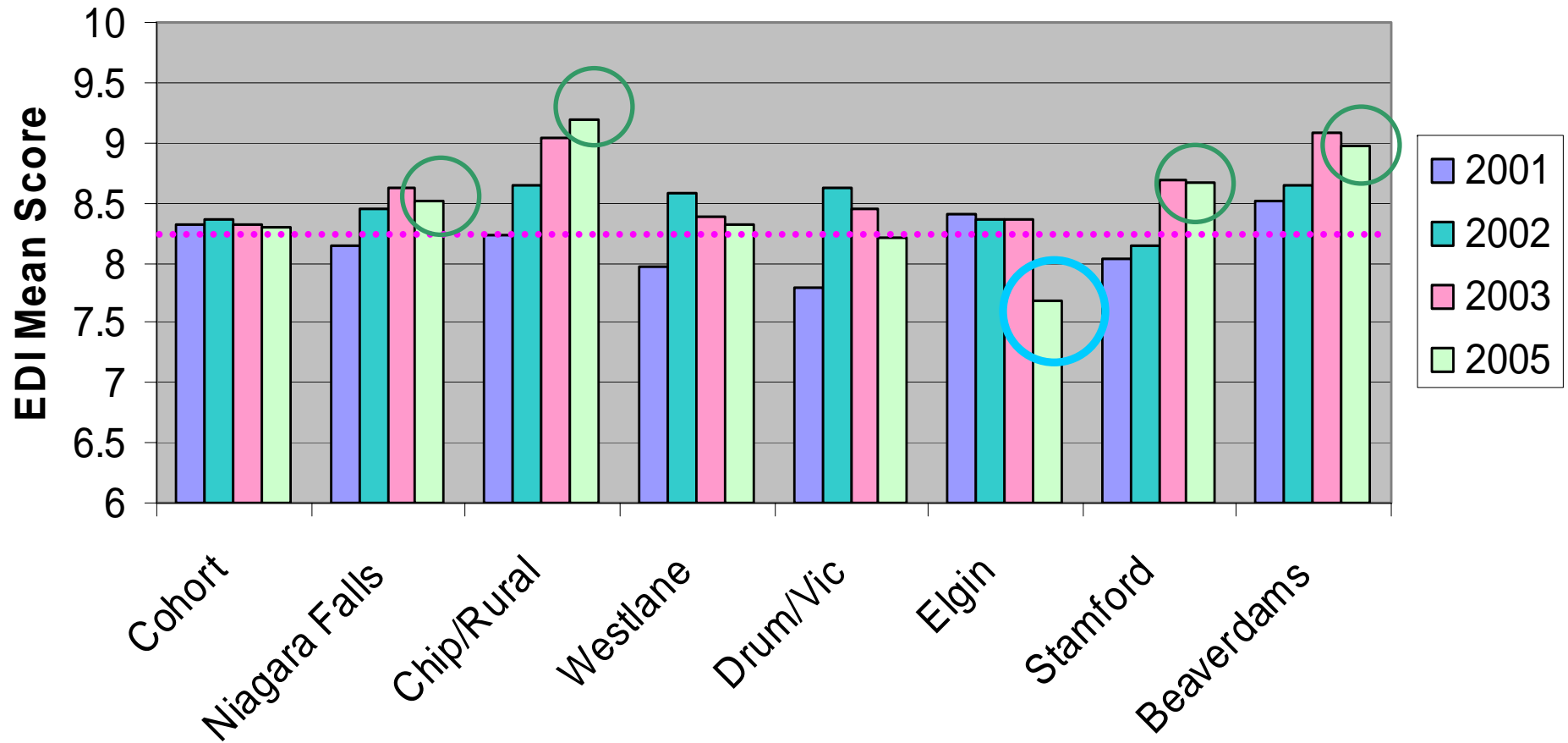


* Total number of SK Children in 2005 Niagara Falls NSA Sample = 531

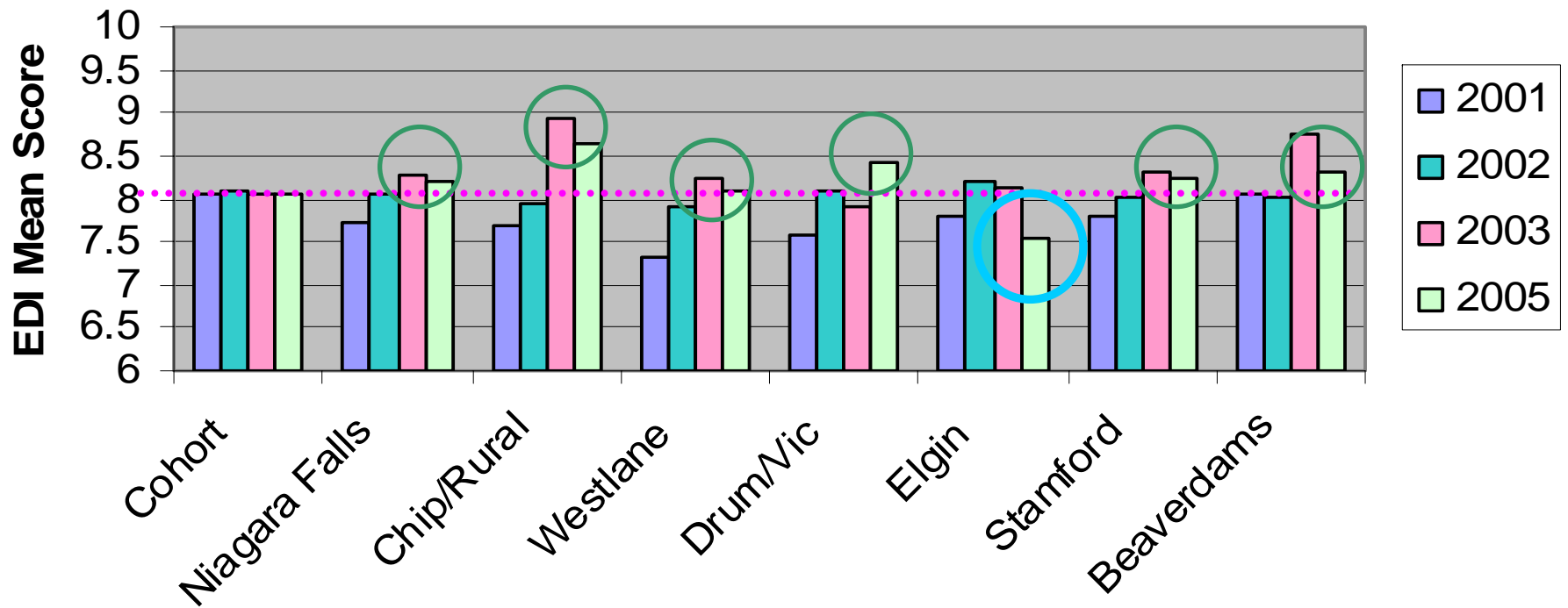
Physical Health and Well-Being



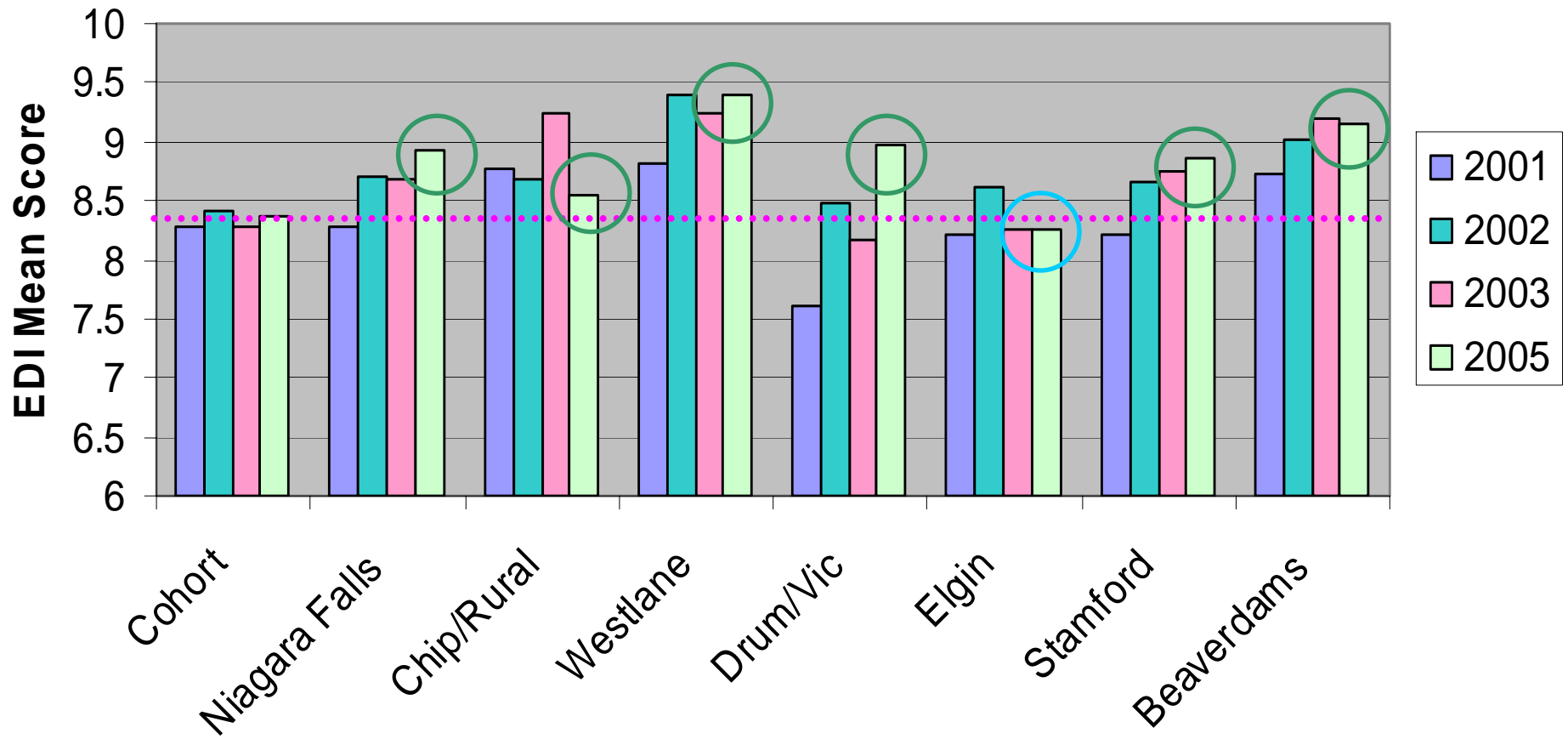
Social Competence



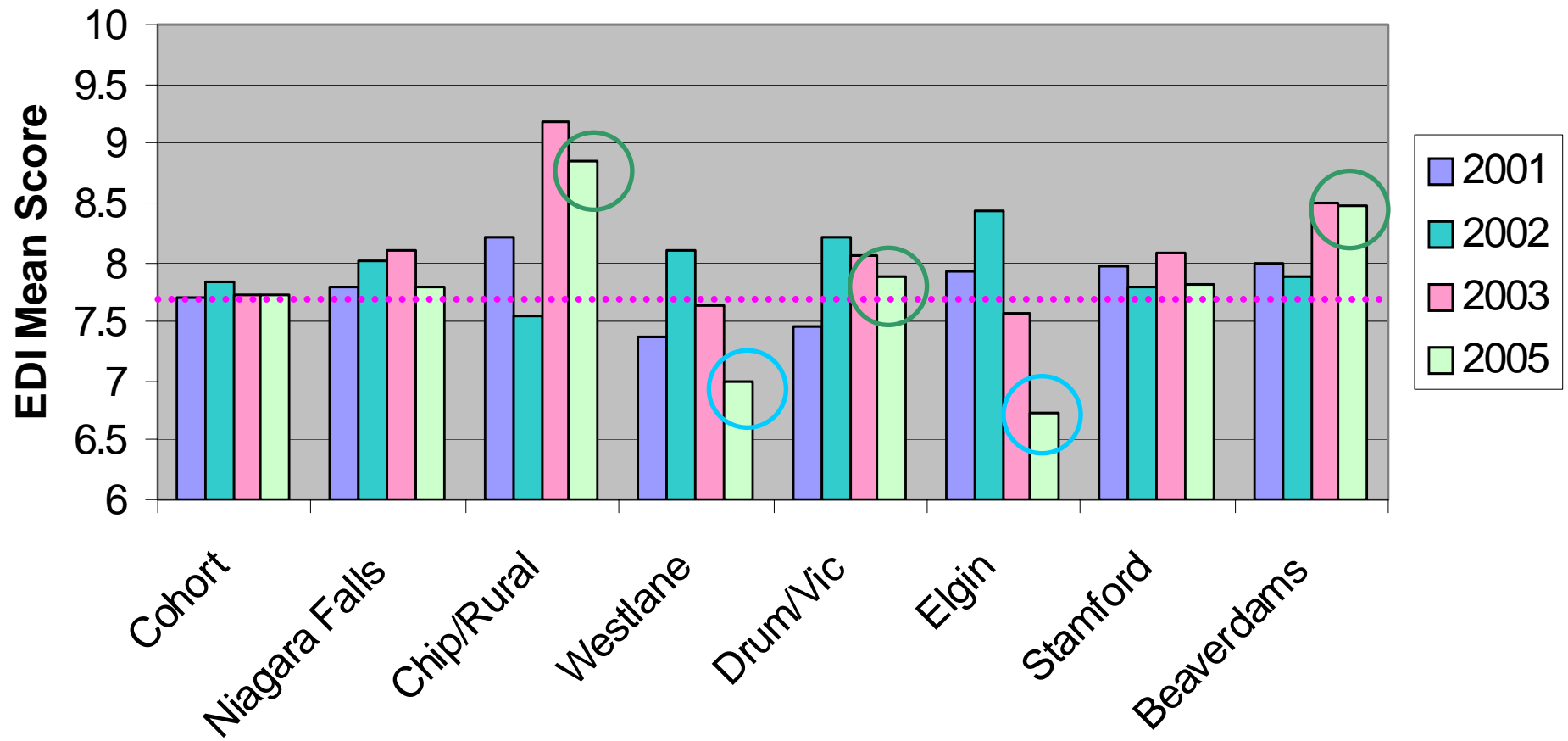
Emotional Maturity



Language and Cognitive Development



Communication Skills and General Knowledge



Summary of Neighbourhood Areas by Strength & Need



Chippawa Rural 🤞

Strength in all 5 domains

Stamford 🤞

Strength in all 5 domains

Beaverdams 🤞

Strength in all 5 domains

Strengths

Drummond/Victoria 

Social Competence

Emotional Maturity

Language and Cognitive Development

Communication Skills and General Knowledge

Area of Need

> Physical Health and Well-Being

Westlane 

Strengths

Social Competence

Emotional Maturity

Language & Cognitive Development

Areas of Need

> Communication Skills and General Knowledge

> Physical Health and Well-Being

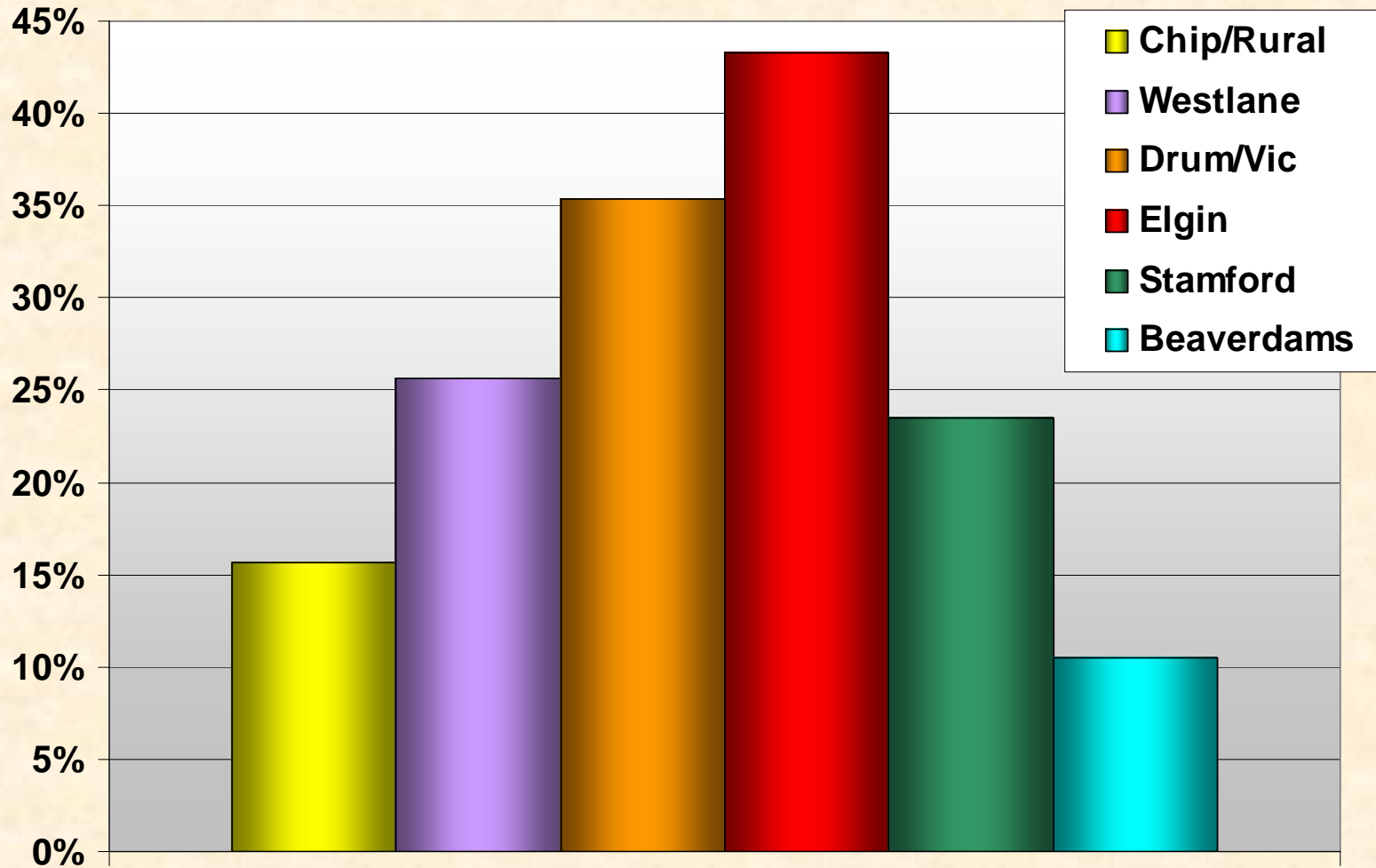
Elgin

Areas of Need

- > **Physical Health and Well Being**
- > **Social Competence**
- > **Emotional Maturity**
- > **Language and Cognitive Development**
- > **Communication Skills and General Knowledge**

All 5 major domain areas...

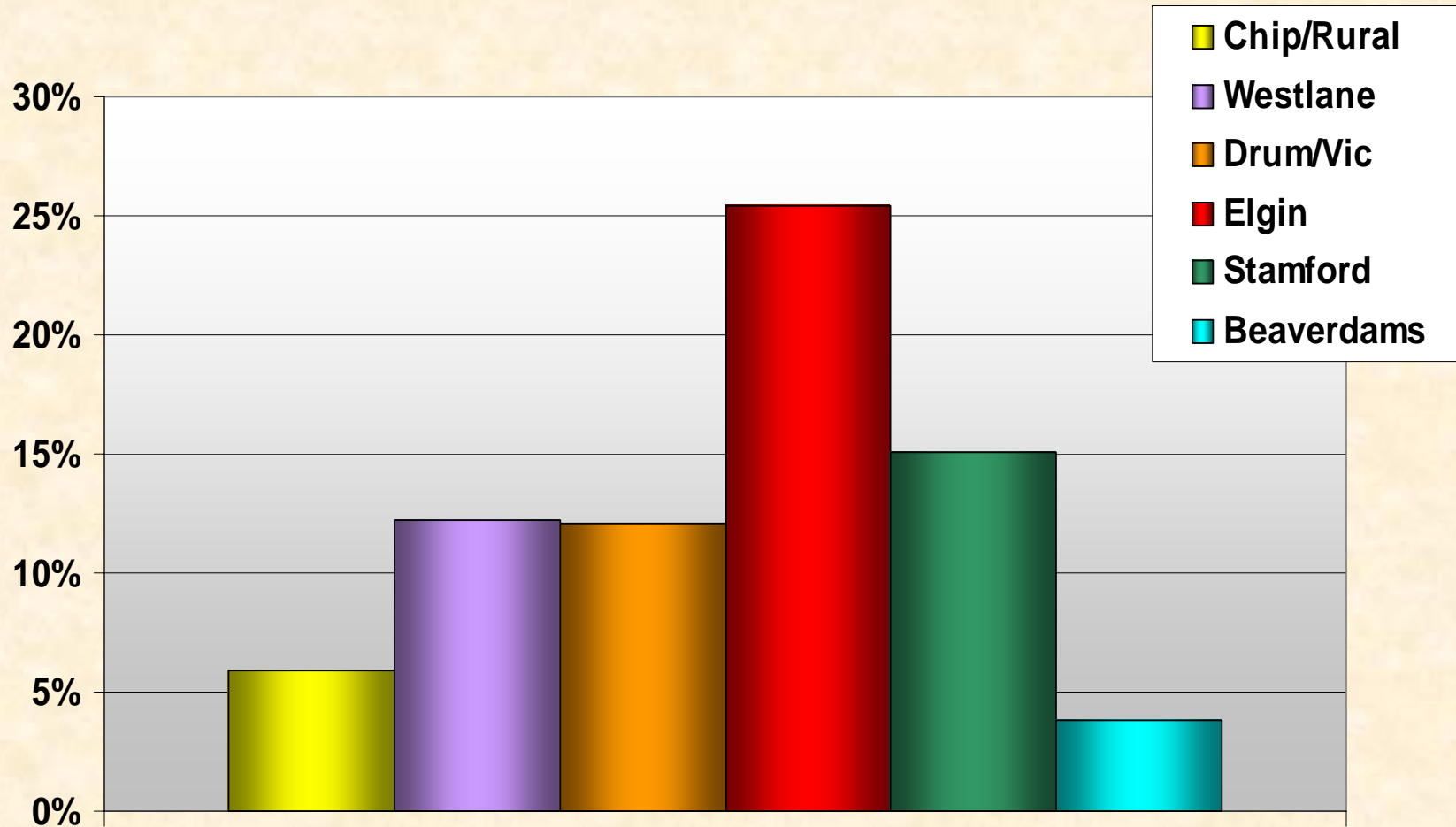
Vulnerable Children



Low on at least one Domain

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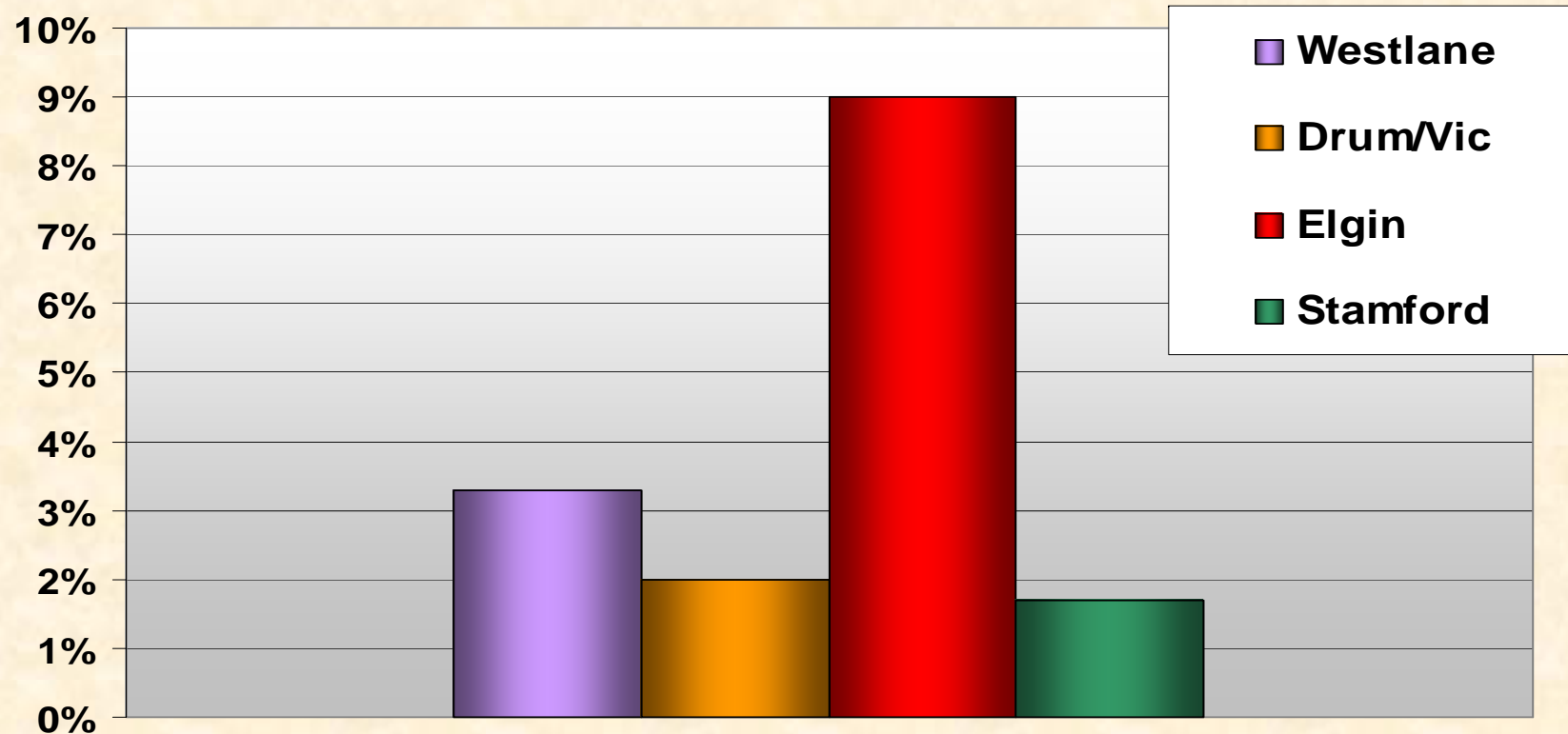
Children At Risk



Low on 2 or more Domains

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Children with Multiple Challenges



Low on at least 3 of the main Domains and 9 sub-domains

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