



Middlesex County Municipalities Child & Family Community Profile

Appendix 2: Early Development Instrument (EDI), 2012

F E B R U A R Y 2 0 1 3

Summary

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Developed by Offord Centre for Child Studies at McMaster University, the Early Development Instrument (EDI) is a measure of children's developmental health at school entry. The EDI is composed of questions related to children's physical health and well-being, social competence, emotional maturity, language and cognitive development, and communication skills and general knowledge. The EDI was completed by Sr. Kindergarten teachers for their students in the spring of 2012. The following represents findings from the 2012 EDI completion for children residing in Middlesex County. The following pages contain tables and graphs that display the mean scores for each domain of development, vulnerability on at least one EDI domain for 2012 and over time, as well as the distribution of scores by domain of development.

In comparison to the Ontario Baseline, Middlesex County reports a similar mean score for physical health and well-being, and higher mean scores for social competence, emotional maturity, language and cognitive development, and communication skills and general knowledge. In addition, the mean scores in the five domains for the Middlesex EDI reporting areas are relatively high; the lowest is 7.6 out of 10. In fact, only 6 of the 30 scores for the five domains across the EDI reporting areas are below the Ontario baseline and five of these six are only marginally below the provincial mean.

Approximately 1 in 5 children (19%) are vulnerable on at least one EDI domain in Middlesex County, though this is lower than the Ontario baseline (28%). In addition, all municipalities in Middlesex County report lower percentages of children vulnerable on at least one EDI domain in comparison to the Ontario baseline. However, variation does exist across municipalities. The EDI reporting area of Adelaide Metcalfe/Strathroy-Caradoc had the highest percentage of children vulnerable on at least one EDI domain (25%), whereas Middlesex Centre had the lowest at 11%.

The distribution of scores is based on children's mean scores for each domain of development. Children's mean scores are put into 4 categories, ranging from the highest to lowest scores: top (scores falling within the highest 25th percentile of the population), middle (scores falling between the 75th and 25th percentiles of the population), at risk (scores falling between the lowest 10th and 25th percentiles of the population), and vulnerable (scores falling below the lowest 10th percentile of the population). Not only does the distribution of scores provide information about the percentage of children vulnerable for each domain, but it also illustrates in which categories all children in a particular geographic area are scoring.

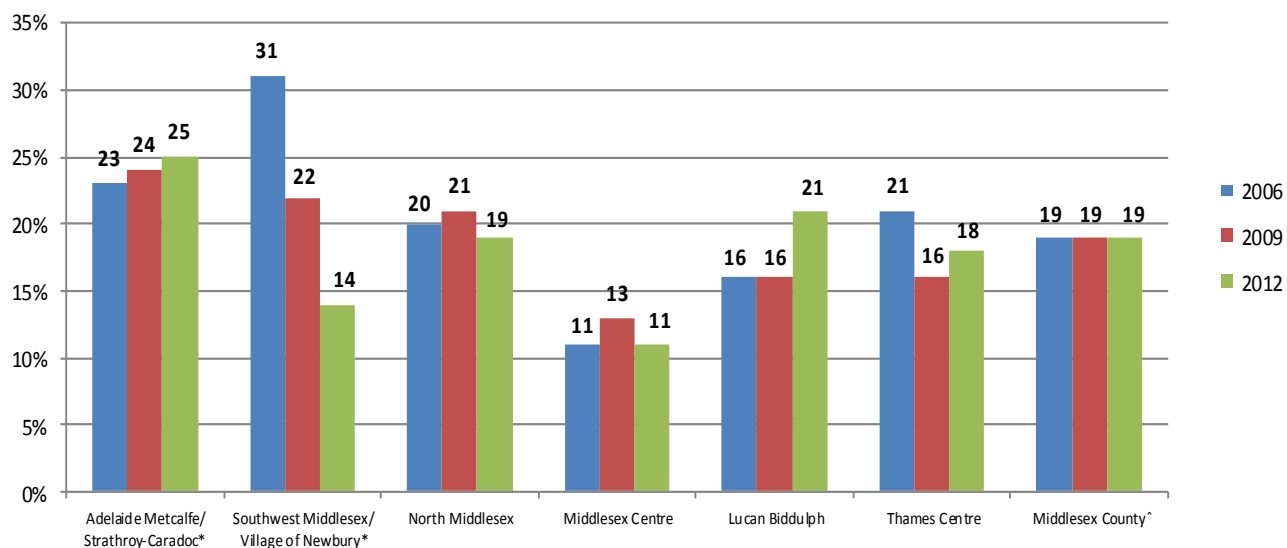
Results by domain for Middlesex County reveal that physical health and well-being was the developmental domain with the highest percentage of children vulnerable at 12%, whereas language and cognitive development had the lowest percentage of children vulnerable at 4%. When comparing vulnerability by domain, results point to variation across Middlesex County EDI reporting areas:

- ◆ The percentage of children vulnerable on the physical health and well-being domain ranged from a high of 16% (North Middlesex) to a low of 8% (Middlesex Centre).
- ◆ The percentage of children vulnerable on the social competence domain ranged from a high of 10% (Lucan Biddulph) to a low of 1% (Middlesex Centre).
- ◆ The percentage of children vulnerable on the emotional maturity domain ranged from a high of 10% (Thames Centre) to a low of 3% (Middlesex Centre).
- ◆ The percentage of children vulnerable on the language and cognitive development domain ranged from a high of 6% (Adelaide Metcalfe/Strathroy-Caradoc and Southwest Middlesex/Village of Newbury) to a low of 2% (Thames Centre).
- ◆ The percentage of children vulnerable on the communication skills and general knowledge domain ranged from a high of 11% (North Middlesex) to a low of 1% (Middlesex Centre).

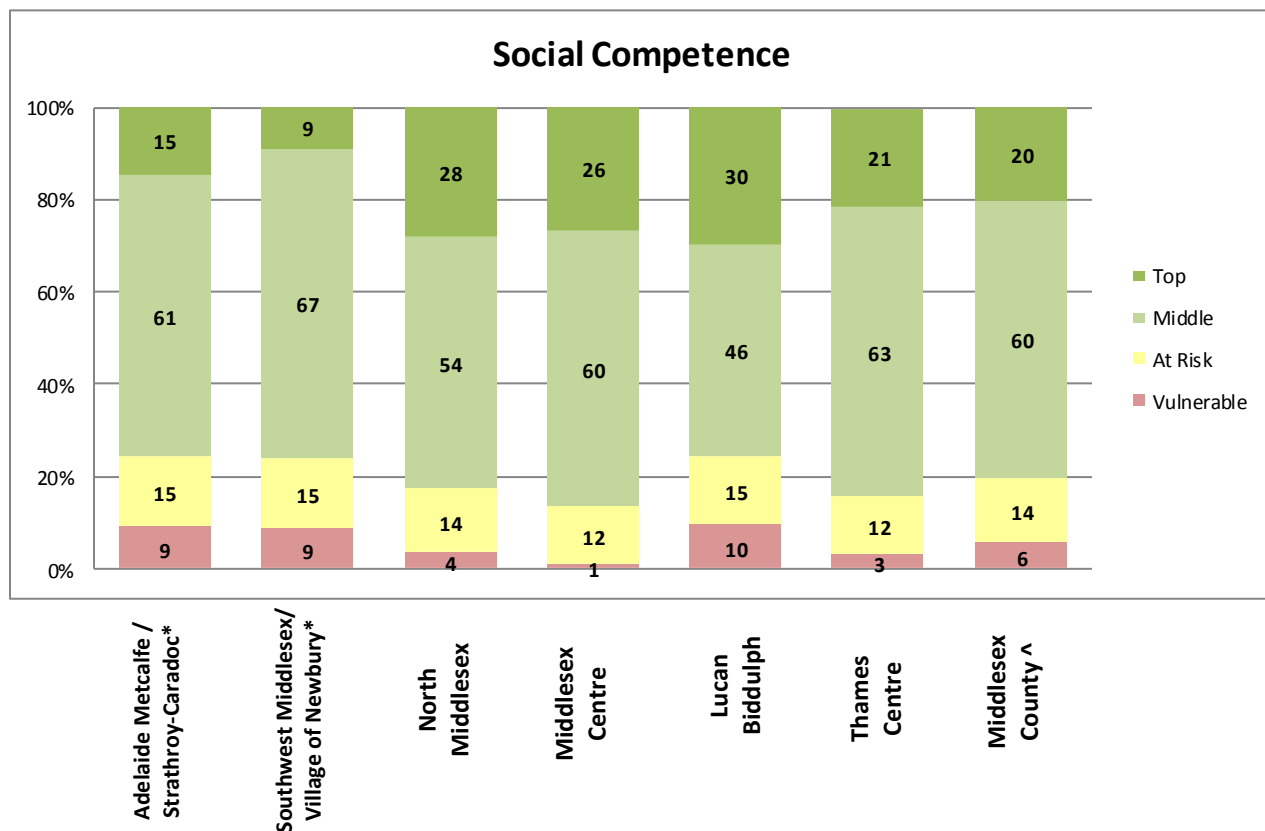
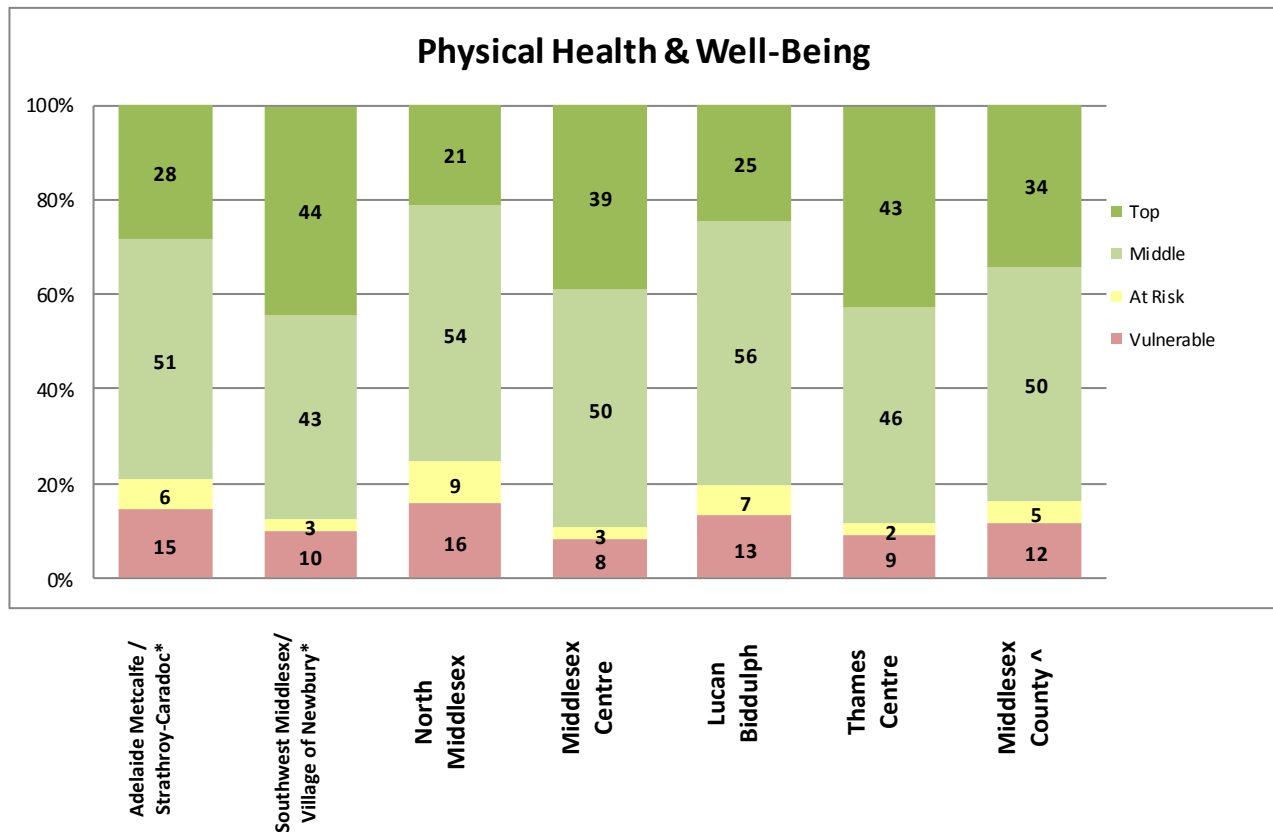
Early Development Instrument (EDI), 2012

	Adelaide Metcalfe / Strathroy-Caradoc*	Southwest Middlesex/ Village of Newbury*	North Middlesex	Middlesex Centre	Lucan Biddulph	Thames Centre	Middlesex County ^	Province of Ontario
EDI Results, 2012								
Valid Questionnaires	259	79	57	185	61	122	763	
EDI Mean Scores (scale 0-10, 10 being best possible score)								
Physical Health and Well-Being	8.7	9.0	8.5	9.1	8.8	9.2	8.9	8.91
Social Competence	8.3	8.3	8.8	9.1	8.4	8.8	8.6	8.34
Emotional Maturity	8.0	8.4	8.6	8.8	8.3	8.1	8.3	8.09
Language and Cognitive Development	9.1	8.6	9.1	9.3	9.3	9.6	9.2	8.58
Communication Skills and General Knowledge	7.7	8.0	7.6	8.7	8.8	8.8	8.3	7.80
Vulnerability								
% vulnerable on at least one EDI domain	25	14	19	11	21	18	19	28

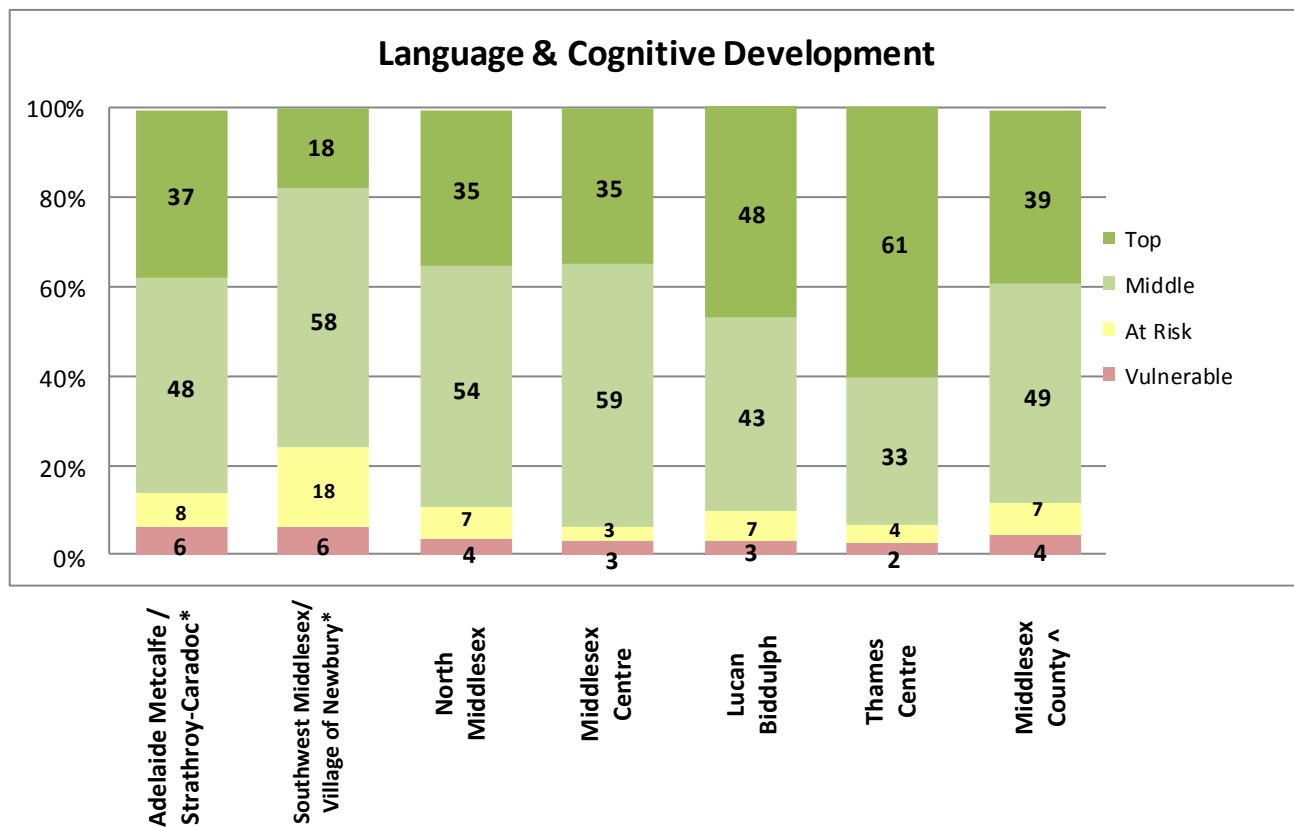
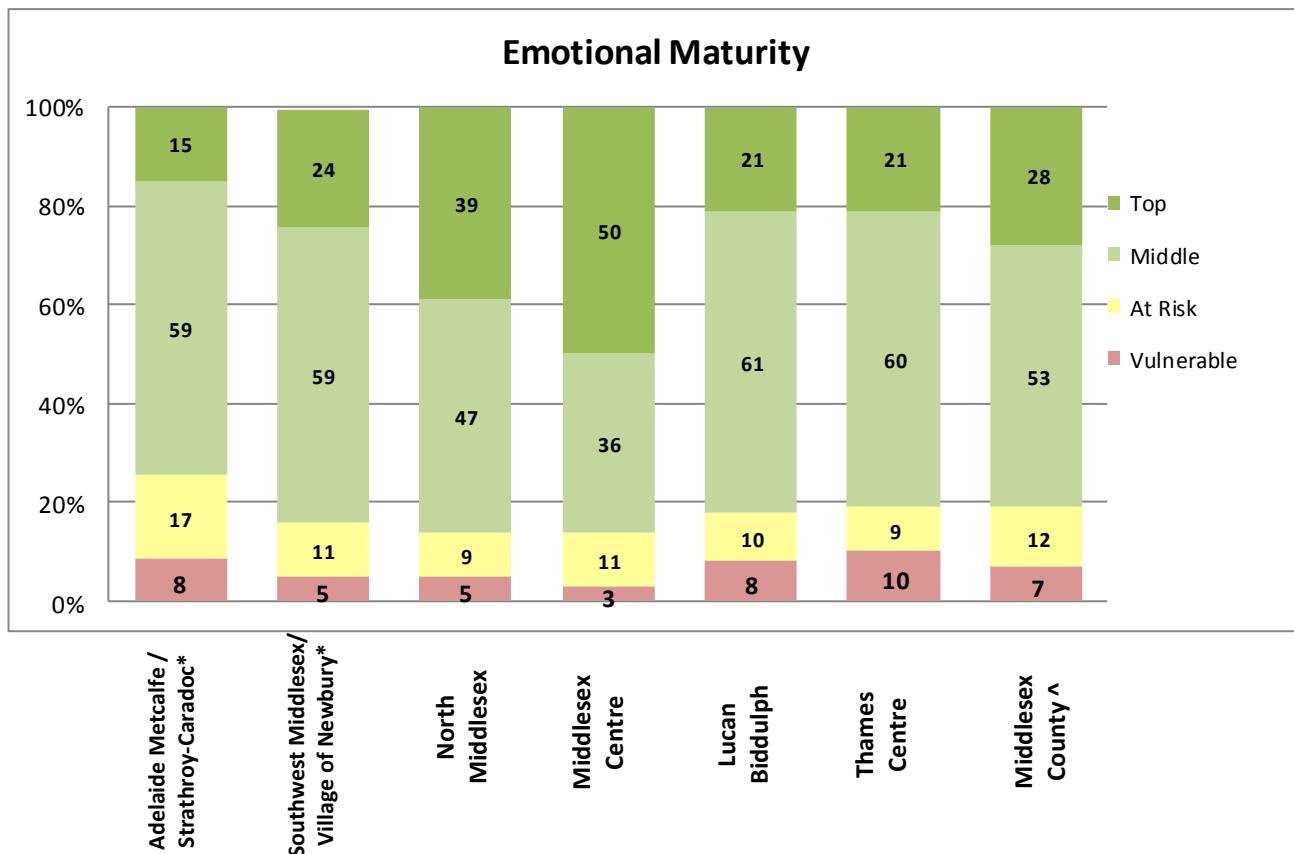
Percentage of Children Vulnerable on at Least One EDI Domain



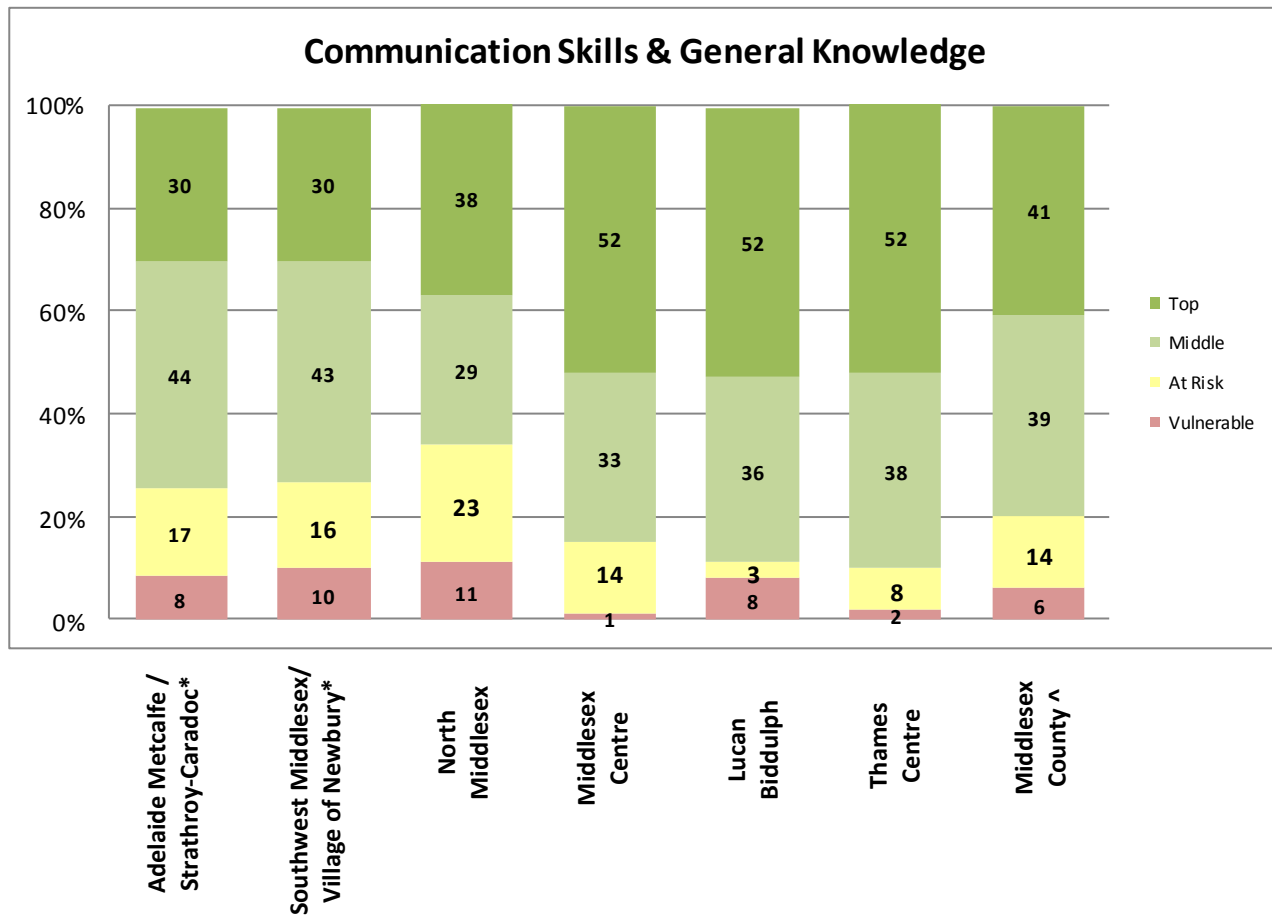
Distribution of Scores, Early Development Instrument (EDI), 2012



Distribution of Scores, Early Development Instrument (EDI), 2012



Distribution of Scores, Early Development Instrument (EDI), 2012



For more detailed analysis and information about the EDI, please contact Data Analysis Coordinators:

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Notes and Data Sources:

^ Middlesex County, excluding City of London.

*In order to ensure an appropriate sample size for EDI reporting, municipalities with less than 35 EDI questionnaires were amalgamated.

Offord Centre for Child Studies, McMaster University. Early Development Instrument Results: Summary Reports, Spring 2012.

Ontario Early Years Centres: Elgin-Middlesex-London, Lambton-Kent-Middlesex, Perth-Middlesex. Early Development Instrument, Spring 2012, Offord Centre for Child Studies, McMaster University .

Ontario Early Years Centres: Elgin-Middlesex-London, Lambton-Kent-Middlesex, Perth-Middlesex. Early Development Instrument, Spring 2009, Offord Centre for Child Studies, McMaster University .

Ontario Early Years Centres: Elgin-Middlesex-London, Lambton-Kent-Middlesex, Perth-Middlesex. Early Development Instrument, Spring 2006, Offord Centre for Child Studies, McMaster University .