COMMUNITY REPORT ON CHILDREN ENTERING SCHOOL IN 2002-2003 ROCHESTER, NEW YORK

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SUSAN R. GREENBERG, M.S. BOHDAN S. LOTYCZEWSKI A. DIRK HIGHTOWER, PH.D.

274 N. GOODMAN STREET, SUITE D103 ROCHESTER, NY 14607 (585) 295-1000

www.childrensinstitute.net

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TABLE OF CONTENTS

Introduction	1
History of the PACE	3
Parent Appraisal of Children's Experiences (PACE) and Sample Report	4
Summary of Findings	9
Demographic Information General Health Fine Motor Skills, Gross Motor Skills, and Sensory Functioning Speech and Language Development School Skills Social, Emotional, and Behavior Functioning Life Experiences Subscale Tables	9 12 18 18 19 19 20 22
Closing Thoughts	22
Appendices	
Demographic Tables and Charts	A
Health Related Tables and Charts	В
Life Experiences Charts	C
Scales Tables and Charts	D

COMMUNITY REPORT ON CHILDREN ENTERING SCHOOL IN 2002-2003

Introduction

This report provides a wealth of information on children enrolling in Rochester public and parochial schools during the 2002-2003 scholastic year. These data were obtained using the Parent Appraisal of Child's Experiences (PACE), an instrument that allows systematic collection of important screening information from the viewpoints of parents.

The PACE was designed to exceed the functionality of two earlier measures that it replaced: the Health Appraisal Form and the Kindergarten Parent Review, both used since 1989 by the Monroe County Health Department (MCHD), Rochester City School District (RCSD), and schools in Monroe BOCES #1. Initially the MCHD, RCSD, and Children's Institute jointly developed the PACE, in consultation with numerous early childhood professionals, including early childhood teachers, audiologists, physical and occupational therapists, speech pathologists, social workers, school psychologists, school nurses, and pediatricians.

In 2001 and 2002 Children's Institute, again in consultation with numerous professionals, created PACE 2.0, the most recent edition reported here, and is now working on PACE 3.0, which is expected to be released March 2006. In addition, Children's Institute is ready to pilot a "PACE – E" for children in late elementary grades, and is presently creating a PACE – M for middle school aged children and a PACE – IT for Infants and Toddlers. The release dates for these later three PACEs have not yet been determined.

The PACE 2.0 consists of eight major sections:

- Family demographic information
- Childcare history
- General health information
- Motor and sensory functioning
- Speech and language development
- School skills
- Social, emotional, and behavioral functioning
- Life experiences

The PACE 2.0, introduced for the 2002-2003 school year, has several new items, including questions about ethnicity, mother's and father's ages, asthma diagnoses, other specific asthma related questions, and items pertaining to violence at home and in the neighborhood.

This report details information regarding the status of children entering school with regard to medical, educational, and social indicators. It provides up to five-year trends in areas covered by the current version of the PACE; newly added items have only a single year of information. Because both the Diocesan schools and the Rochester City School District were included, we believe that the PACE sample provides a relatively comprehensive picture of the status of children entering school in the City of Rochester. Although some parents did not return the PACE to the school, information from the preponderance of new enrollees is available. In the Rochester City School District, 1849 out of 2361 (78%) of kindergarteners registered for 2002-2003 are included in this year's PACE sample.

The data were collected through the efforts of numerous people. Many respondents, primarily parents, completed the PACE without assistance; some completed the PACE with assistance from school nurses, clerks, teachers, or school administrators. Once completed, the PACE measures were sent to Children's Institute for scanning, analyses, and reporting.

In examining changes from prior years, we used chi-square tests with a significance criterion of $p \bullet .001$. Only findings meeting or exceeding this threshold are reported in this document as "significant."

History of the PACE

The PACE was developed to meet three main purposes:

- 1. To provide school personnel with a conduit for obtaining systematic information from parents regarding their children
- 2. As an instrument to augment the kindergarten screening process by providing important parent perspectives
- 3. To provide school districts and the community at large with a picture of the health, family situations, and school readiness skills of children entering kindergarten

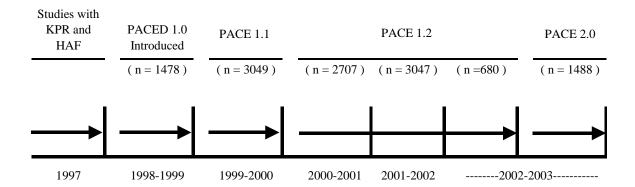
Development of the PACE occurred in three phases.

Phase I involved preliminary analyses of data collected from two instruments, the Kindergarten Parent Review (KPR) and the Health Appraisal Form (HAF). Two studies determined that, together, HAF and KPR items predicted over 40% of achievement four to six years later.

Phase II consisted of the development of the new instrument (the PACE), based on what was learned from Phase I, and consultation provided by an extensive network of professionals, including parents, school administrators, teachers, pediatricians, school nurses, speech and language pathologists, audiologists, physical therapists, school, clinical, and developmental psychologists, and occupational therapists.

Phase III is an on-going process of testing and refinement of the measure.

Timeline for PACE versions



Parent Appraisal of Children's Experiences 2.0 (PACE)

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					① ○ 1994 ① ○ 1995	○ Jan ○ Feb ○ 2002
Child's Name:				☐ Mar ②	2 3 1996	○Mar ○ 2003
Last	CHARLES THE	First	MAKELEBER	○ Apr ○ May	① ○ 1997 ① ○ 1998	O Apr 0 2004 O May 0 2005
Grade: Prekinde	ergarten C Kinderga	rten 🗆 First 🗆 O	ther	OJune OJuly	© 1999 © 2000	May 2005 June 2006 July 2007
Sex: O Male	○ Female			Aug Sept	(7)	O Aug O 2008
Child's Race/Ethnici	ity (Fill in all that apply)	: Asian/Pacific	: Islander	O Oct	(9)	Oct Nov
☐ Black/African-Ame	rican 🔘 Latino/Hispa	anic Native Amer	rican	O Dec		O Dec
○ White/Non-Hispa	nie Other	22.0			- manan	3 4 5 6 7 3
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School:				Zip Code) (10 (10 (10 (10 (10 (10 (10 (10 (10 (10
Your Relationship to	this Child (Fill in one	oval): O Mother	○ Father	Code		345676
☐ Grandmother	Grandfather	○ Aunt	Other			
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Child's Address:				Home Phone:		den view
	Marie R. Sandard	Street	HTML SZW. CH. ENG		ACTION AND SERVICE	
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ratners/ Guardian's Name:			Age 25-29	0 30-34	irs ime Phone:	
			○ 35=35	Over 39 Dayt	anc x none	Name of Street, Street
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Mother's/			Mother's ○ 17-20 Age ○ 25-29	30-34	AND ADDRESS OF THE REAL PROPERTY.	
Guardian's Name:			35-39	Over 39 Daye	ime Phone:	
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Doctor/Clinic: Child's Current		Medicaid-Blue Chr or Monroe Plan	ol	Name of Child' Dentist:	s are Ostraight	: Medicaid
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Child 2						O Male O Female	0-2 07-8	03-4 09-13			usy S	
			Male Female	00-2 07-8	03-4 09-13	O 5-6			- × 7/1			
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hildeare Exp	eriences	(For the child	l being enre	olled, please	fill in the	information for	each year	of your chil	d's life):	10	1	
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4 Years Old	0	Full Day Morning Afternoon	Days C	⊃ 5 Days	Time (Persod: (○ All Year ○ School Year ○ Summer Only	8	full Day forning Afternoon	Days Per	5 Days 3-4 Days 2 or Few	Time Period	O All Year School '
5 Years Old	0 8	☐ Full Day ☐ Morning ☐ Afternoon	Days C	⊃ 5 Days	Time (Period: (○ All Year ○ School Year ○ Summer Only	00	full Day Morning Mernoon	Days Per	○ 5 Days ○ 3-4 Days ○ 2 or Few	Time Period	O All Year
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 Does your child ever need to stop playing because of breathing problems? 	15. Please follow		al if your c	hild has ever	had any of th
O No O Yes	90200000	navior problems	The Control	O Poisoning	
11. How many days a week does your child usually have	O Box	ne or joint probl	ems (Scizures or Sickle cell	
wheezing, coughing, or shortness of breath?		infections (6 or ly Intervention :			thes (weekly or di
○ None ○ One ○ Two ○ Three ○ 4 or more days	○ He	aring problems		Trouble see	ing things
12. How many days a week does your child usually wake up from sleep because of wheezing, coughing, or shortness of breath?	O He	adaches (weekly art trouble gh Lead levels		○ Wears glas ○ Weight pro	blems-overweigh
ONone One Two OThree Of or more days		peractivity (ADI ow iron" or iron			blems-underweig
_ p		or car tubes	tenciency.	Counci	
13. Has a doctor ever said that your child has asthma?	Timbel of a			-	MAN COLUMN TO
○ No ○ Yes If Yes:		g pregnancy	with this cl	hild, how m	uch did the
13a. Does your child take medicine every day to prevent	moth				ringer the
asthma symptoms?	Smok	e: ON		Less than a	More than
O No O Yes, List	D 44 119		and a	pack a day	pack a day
13b. Over the past 12 months, how many times has your child needed emergency medical visits for asthma?	Drink	alcohol: ON		Less than one drink a day	More than drink a day
○ None ○ One ○ Two	17. Curre	ently, how ma	ny people i	in this child	s home smoke
	O No	me One	O Two	O Three	4 or more
○ Three ○ Four ○ 5 or more times	18. Overa	H, how would	you descr	ibe your <i>chi</i>	ld's bealth?
14. Has your child ever had any health conditions that	○ Pox	or OF	air (Good	- Excellent
required emergency medical attention?	19. Word	d vou like to	alk with th	e school mer	se about your
○ None ○ Asthina ○ Broken bones ○ Burns ○ Head injury ○ Seizures		s health?			
Other	O No	○ Yes			
Fine Motor, Gross Moto	r and Sei	nsory Fu	nction	ing	PHE MAIN
How well does your child		Not Well	Fairly Well	Well	Very Well
1hold a pencil with his/her fingers for writing?	Francisco III	0	0	0	0
2draw or copy shapes like squares?		0	0	0.11	
zip his or her coat by self? cut out simple shapes, like a house, with seissors?	THE SHAREST STATE OF THE SHAREST	0	0		
5run?	A SERVICE	0	0	0	0
 balance on one foot without support? go down steps one foot after the other without holding a 	roilings			0	0
8catch a small ball, like a tennis ball?	Talling.	THE OWNER	MILIO THE	ano a	
How often does your child		Almost Never	Sometimes	Often	Almost Always
9trip and fall?	Service Service	O	O D	NO OIL	0
10avoid touching slimy or gooey things like play-dough, my	ud, or glue?	9	0	9	0
11. How often is your child super aware of different sounds? 12. How often is your child a picky eater?	11/1/10	Ö	Ö		MIRIOUNE O
13. Would you like to talk with someone about your child's co-	ordination?	O No	O May	ybe Yes	2 MINH AND P
Speech and Lan	guage De	evelopme	ent		
How well does your child		Not Well	Fairly Well	TUAN	V 112-11
1understand English?		140t ssen		Well	Very Well
2talk with other children?		o o	O	Ö	
3talk with adults?	hilds to		10	900	9
 use words to describe things? tell a complete story with a beginning, middle and end? 		0	0	0	8
6tell you how he/she feels when asked?	BEHEINE	- O	O	ŏ	ŏ
How often		Almost Never	Sometimes	Often	Almost Always
7do you have difficulty understanding your child?		. 0	0	0	0
8do others have difficulty understanding your child?		0	9	9	8
does your child understand what others say? does your child speak clearly?		8	0	0	8
11. Has your child received special help for speech or language	ei ·	ON ₀	○ Yes	Witten	
12. Does your child need extra help with speech or language?		○ No	○ May	ybe O Yes	
Page		11687		Transition .	
3 of 4	A STATE OF THE STATE OF	12 July 1884			

SCHOOL :	SKILIS			
How well does this child	Not Well	Fairly Well	Well	Very Well
1listen to books being read?	0	0	0	0
2listen to and follow directions?	0	0	0	0
3read his/her own written name?	0	0	0	0
4read numbers up to 12?			0	0
5identify written alphabet letters by self?	X	8	0	0
6read simple written words? 7count 20 things?	8	0	ŏ	0
8write the numbers from 1 to 12?	THE PERSON NAMED IN	MILES OF THE PARTY	TO BE	VIII O
9write his or her first and last name by self?	ŏ	ŏ	Ö	Ö
0repeat sentences when asked to?	0.11	0	0	
11retell a story that was just read aloud?	0.	0	0	0
2know the words to at least one song or rhyme by heart?			9	021
13remember things?		2	Ö	2
14learn new things? 15. Does your child need extra help to learn new things?	ÖN ₀	○ Maybe	○ Yes	
Social, Emotional, and B	ehavioral	Functionin	g	
How much do you agree each item describes this child	Strongly Disagree	Disagree	Agree	Strongly Agree
1makes friends easily	0	Ó	0	0
2gets nervous easily	0	0	0	0
3fights with other children	0	0	0	0
4completes things he/she starts	025	A QUELL	9	0.2
5has many friends	Server Server	8	0	8
6is withdrawn 7hurts others	8	8	8	8
8has a short attention span	o o	ALCO TANK	ŏ	
9talks easily with other children	0	0	0	0
0worries a lot		0		0
1bothers other children	9	9	0	
12concentrates well	0	8	8	8
 is irritable, touchy or prickly is an "easy child" 	A STATE OF THE STA	STATE OF THE PARTY	U O	Ö
15has a very high activity level	ŏ	ŏ	ŏ	ŏ
16. Does your child need extra help with his/her behavior?	○ No	O Maybe	O Yes	
Life Expe	riences			3 or More
Has your child	Never	1 Time	2 Times	Times
1gone to a library?	0	0	0	0
2gone on an outing (e.g., zoo, museum, etc.)?	0	0	D.O.	
3moved from one home to another in the last 6 months?	8	8	0	8
4moved from one home to another during his/her life? 5seen a close family member or friend very sick?	8	ŏ	Ö	8
6experienced the death of a close family member or friend?		LEO MARINE	a VO	
7experienced parents' separation or divorce?	0	O	Ö	O
8experienced a parent who is depressed?	0	OFFER	0	0
9witnessed violence in the neighborhood?	0	0	0	0
10witnessed violence at home?	0	0	0	0
11been away from parent(s) for more than a month?	0	8	8	0
12seen a family member with a drug or alcohol problem? 13a "mother" who regularly spends time with him/her?	Almost never	Monthly	O Wee	kly Oaily
14a "father" who regularly spends time with him/her?	Almost never	Monthly	O Wee	
15a warm close relationship with any adult(s)?	O No	O I adult	○ 2 ad	
16. How often does an adult read to this child?	Almost never	O Monthly	O Wee	kly O Daily
17. How much TV does your child watch each day?	1 hr or less	O 1-2 hours	03-4	
What time does (will) your child go to bed on school nights?		Berween 8-9		cen 9-10 After
19. How often does your child eat breakfast? 20. Does your child have enough food to eat?	Almost never			imes per week 🔘 Daily imes per week 🔘 Daily
Are other agencies or professionals involved with your child?	No OYes	(m) 1001		
lease list:	10 5 14	21 An at 10		50 J. 60 T. 50
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		00000	SEC. 0. 200 13	\mathbf{p}
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Comments, or anything else about your child or family you wish t	o snarer)
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Parent Appraisal of Children's Experiences 2.0 (PACE) Summary Report

School: PS 00

Student ID: 890000000 Form Serial Number: 53158

Completed by: Mother Date of form completion: 6 / 2002

Child's date of birth: 4 / 30 / 1997 Grade: Kindergarten

General Health Information

Child may not have a doctor
 Last routine physical exam - Within past year
 Child has health insurance

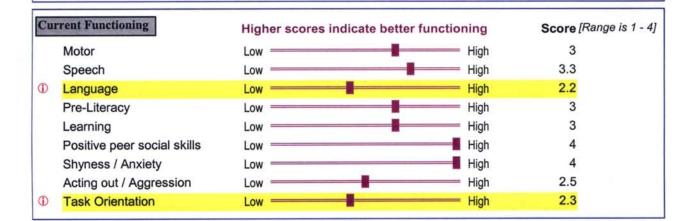
- ① Child takes prescription medication
- Indications or diagnosis of asthma No allergies reported

Child has a dentist

Last dental examination - Within past 6 months

- ① Child's birth weight less than 3 lbs 5 oz
- Neonatal problems reported
 Child's health described as excellent
- ① Other health-related conditions:

- Ear infections - Early Intervention Service - Hyperactivity - Iron deficiency - PE or Ear tubes



Life Experiences

These 4 items may be of concern for this student

- Child's experience of close family member's illness or death reported
- Child has witnessed violence in the neighborhood or at home
- Parent issues were noted
- Child's bedtime may be too late

Items marked with the information ① symbol may warrant special attention.

Current Functioning entries marked with the information ① symbol are at or below the 15th percentile.

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Summary of Findings

Major findings for each of the PACE's sections will be described here.

Demographic Information

This section provides information about the child and his or her family. These data are used to provide a demographic "snapshot" of the PACE sample. Examples of items in this section include:

- Child's date of birth
- Child's ethnicity
- Respondent's relation to the child
- Child's health insurance status
- Mother's and father's ages
- Mother's and father's highest completed level of education
- Whether the child has a doctor and/or a dentist
- Basic information about the number of adults and children in the child's home

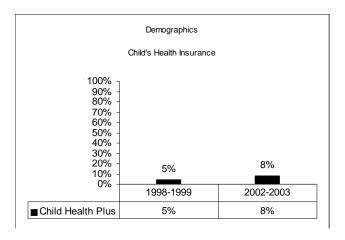
In 2002-2003, a transition year where both PACE 1.2 and 2.0 editions were used, PACE questionnaires were completed for 2168 children (PACE 1.2, n=680; PACE 2.0, n=1488). Most reports (87%) pertained to kindergarteners. The children's mothers accounted for 86% of the respondents. Over 60% of the sample was from zip codes of 14621, 14609, 14611, 14605 and 14613, and 60% of the children were Black/African-American, 20% were White/Non-Hispanic and 18% were Latino/Hispanic. Following is a table of race/ethnicity as obtained from the PACE and that of the overall RCSD elementary enrollment statistics. Overall, the PACE sample race / ethnicity appears to represent well the total RCSD elementary enrollment.

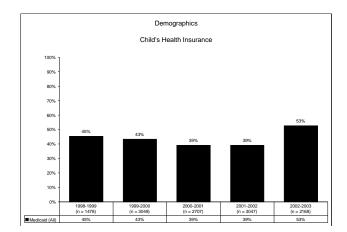
	2002	2-03
	PACE Respondents	RCSD Elementary Enrollment
Native American	1%	0.3%
Asian / Pacific Islander	2%	2%
Other	2%	N/A
Latino / Hispanic	18%	20%
White / Not Hispanic	20%	16%
Black / African-American	60%	62%
Total	103%*	100%

^{*} PACE respondents could select more than one race/ethnicity. All are reported here, therefore, the total is greater than 100%.

93% of children in the sample had medical insurance coverage, with 61% of being covered by either Medicaid or Child Health Plus. 7% of the respondents indicated that the child did not have any medical insurance.

Enrollment in Child Health Plus has risen from 5% in 1998-1999 to 8% in 2002-2003, a statistically significant change, whereas Medicaid has increased from 39% in 2001-2002 to 53% in 2002-2003, also a significant change. This increase in the percentage of Medicaid participants may be due to reductions in the Rochester job market and increases in unemployment.





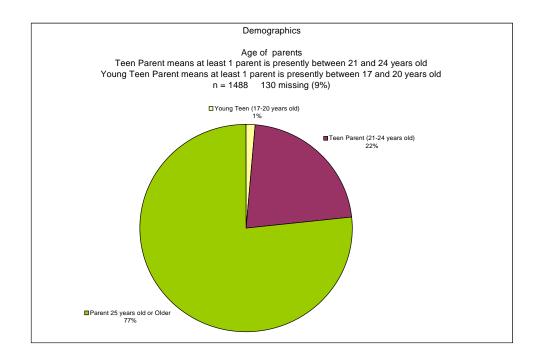
There was an average of 2.8 children per household. 31% of the children had one other child living at home with them; 26% had 2 other children in the household; and 25% of the respondents had 3 or more other children at their home. These children were not necessarily related to the child for whom the PACE was completed. The most common household composition of adult(s) living with the registered child was a single mother and no other adult (33%); the second most common included both parents* and no other adults (26%).

31% of the children were reported to <u>not</u> have a <u>dentist</u>, whereas 6% did <u>not</u> have a <u>doctor</u>. These percentages have stayed fairly stable over the last 5 years.

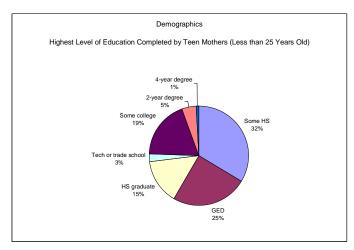
Of those responding, 74% of both mothers and fathers had at least a high school education or had obtained a GED; and 9% of mothers and 8% of fathers had received special education services while in school. These statistics have been consistent over the last four years.

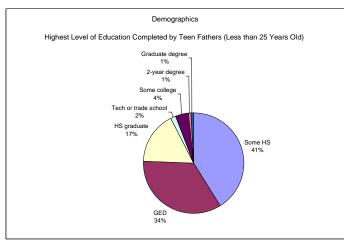
^{*} Throughout this report, we have used the term 'parent' to indicate the person completing the PACE. Actually, 5% of the respondents were not the child's parent, although most of these were other relatives.

23% of mothers and/or fathers were teenagers when their child was born. We define a teenaged parent (at the time of the child's birth) as one who was 24 years old or younger when their child entered kindergarten. Of those teen parents, 1% were young teens, 20 years old or younger, at their child's kindergarten entrance. Note that parents' age was not provided for 14% of mothers and 25% of fathers.



Following are figures representing the proportion of the highest level of education for these "teen" parents.





See Appendix A for complete demographic information.

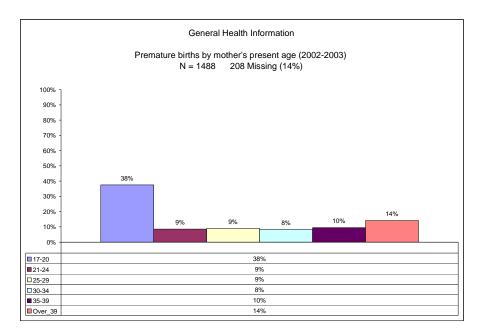
General Health Information

Professionals from the Monroe County Health Department, the University of Rochester Department of Pediatrics, and Children's Institute worked together to select important health related questions. Additionally, focus groups made up of parents and health professionals were conducted to determine which health topics were most important to families in the Rochester community.

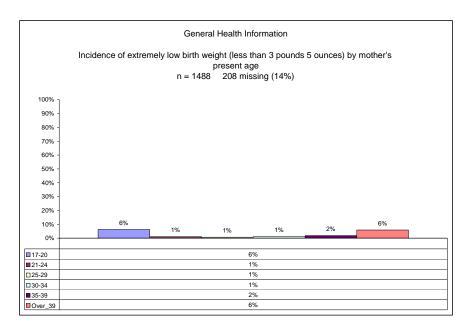
Areas assessed in this section include:

- Neonatal outcomes
- Current health conditions and concerns
- Hospitalizations
- Health history
- High lead levels
- Maternal smoking and drinking behaviors during pregnancy
- Asthma
- Number of people who smoke in the child's home

11% of the children were born prematurely. Premature birth is defined as 6 weeks or earlier than the mother's "due date". Following is a chart of premature births by mother's age in 2002-2003.

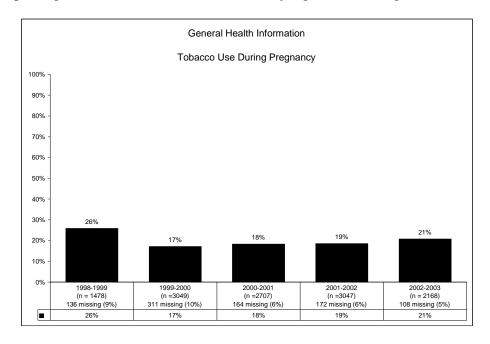


7% of the children were overweight (greater than 9 pounds) at birth, as compared to 11% being underweight (less than 5 lbs 8 oz; 2500 grams) at birth. Below is a chart of children having extremely low birth weights (less than 3 lbs 5 oz; 1500 grams) with respect to the mother's age in 2002-03.



18% of the children had been in neonatal intensive care. Parents reported that 54% of the children were never breastfed. The majority of mothers (79%) reported never smoking during pregnancy, however 21% did smoke. The overwhelming majority of mothers (95%) reported never drinking alcohol during pregnancy, yet 5% did report drinking.

The percent of mothers smoking during pregnancy has decreased over the last 5 years. The highest reported percent (26%) in 1998-1999 as compared to this year's reporting (2002-2003) of 21%, a statistically significant change.



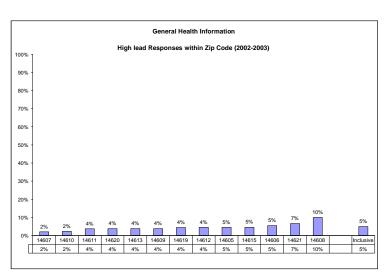
21% of the children had never been to a dentist and 33% had not been to a dentist in more than a year. (Note it is recommended that children start seeing a dentist at age 3) Only 7% had not had a routine physical examination within the same time span.

	2002-2003				
Time frame of visit	Routine Physical	Dental Check-up			
Never	1%	21%			
More than 1 year ago	7%	33%			
Within past year	28%	23%			
Within last 6 Months	65%	44%			

Children's illnesses cover a wide range of syndromes. Identified were 11% who had recurrent ear infections, 5% with "low iron" (iron deficiency), 3% whose parents described them as overweight, as well as 3% identified as underweight, 3% who have trouble sleeping (nightmares), 3% with frequent stomach aches (either daily or weekly), 2% with frequent headaches (either daily or weekly), 8% with behavior problems, and 5% who have already had some kind of early intervention services. Additionally, 5% of the parents reported their child has high lead levels. We compared the rates of reported high lead levels to the child's zip code and found the highest concentrations of occurrences in the 14608 (10%) and 14621 (7%).

Below is a summary table and chart with the percent of children with high lead levels by zip code in ascending order.

High Lead Level Responses within Zip Code (2002-2003)					
Zip Code	Zip Code Count	High Lead Count	Percent		
14607	50	1	2%		
14610	44	1	2%		
14611	215	8	4%		
14620	107	4	4%		
14613	184	7	4%		
14609	341	13	4%		
14619	136	6	4%		
14612	67	3	4%		
14605	200	9	5%		
14615	88	4	5%		
14606	146	8	5%		
14621	394	26	7%		
14608	160	16	10%		
Inclusive	2132	106	5%		

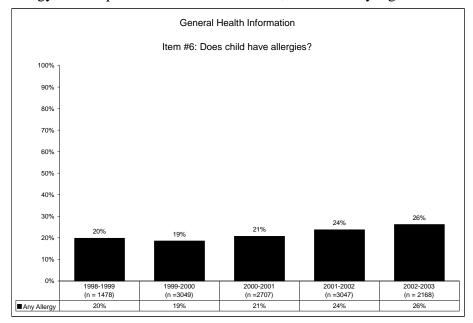


75% of parents reported that there had been no medical emergencies. Among the reported emergencies, 9% were treated for asthma, and 10% of the children were treated for other reasons not identified.

13% of parents reported that their child was taking at least one prescription medication. 26% of children had various allergies.

Child's Allergies			
Seasonal	11.3%		
Medication	6.4%		
Food	4.4%		
Bee sting	1.0%		
Other	3.1%		

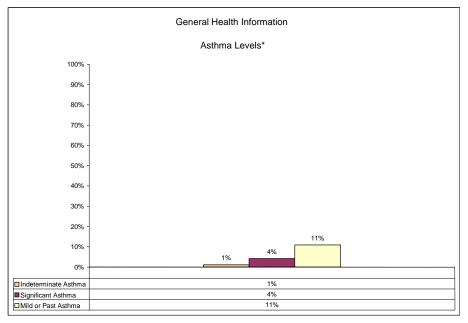
The percentage of children identified as having allergies has been increasing since 1998-1999. In 1998-1999, 20% of the parents reported their child had some kind of allergy, as compared to 26% in 2002-2003, a statistically significant change.



The revised version of the PACE (2.0) has new questions specifically related to asthma and breathing problems. Tabled below are the outcomes:

Asthma and or Breathing problems	2002-2003
Child needs to stop playing because of breathing problems	8%
At least 1 day a week child usually has wheezing, coughing, or shortness of breath	9%
At least 1 day a week child usually wakes up from sleep because of wheezing, coughing, or shortness of breath	6%
Doctor has said that child has asthma	16%
Child takes medication every day to prevent asthma symptoms	6%
Over the past 12 months at least 1 time child needed emergency medical visit for asthma	9%

For children whose doctors have diagnosed them with asthma, we estimated severity levels. For a child to be classified in the "Significant" level he/she wheezes, coughs, or is short of breath at least 3 times a week **or** wakes up with these symptoms at least once a week. To be in the "Mild or Past" level he/she wheezes, coughs or is short of breath fewer than 3 times a week **and** does not wake up with these symptoms.



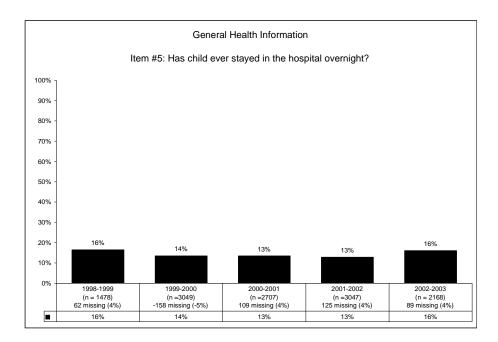
*Asthma Levels assume doctor has said child has asthma:

Significant = Child wheezes, coughs or is short of breath at least 3 times a week or wakes up with these symptoms at least once a week Mild or Past = Child wheezes, coughs or is short of breath less than 3 times a week and does not wake up with these symptoms at least once a week

Another new question included in PACE 2.0 pertains to people smoking in the child's home. We found that no one smoked in 56% of the respondent's homes. One or two people smoked in 40% of the homes.

16% of the children had been in a hospital at least overnight, excluding neonatal intensive care stays.

As indicated in the chart below, the percentage of children staying at least overnight in a hospital, excluding birth, has increased from 13% in 2001-2002 to 16% 2002-2003, a statistically significant change.



96% of the children, according to parents, are in good or excellent overall health. 13% of the parents reported that they would like to talk to the school nurse about their child's health.

See Appendix B for complete health-related findings.

Fine Motor Skills, Gross Motor Skills, and Sensory Functioning

Parents were asked to answer questions regarding observable motor and sensory functioning indicators, developed after consultation with early childhood educators, occupational and physical therapists, a pediatric neurologist, and other experts.

Questions in this section include:

- Holds a pencil with his/her fingers for writing
- Zips own coat
- Catches a small ball
- Trips and falls
- Picky eater
- Super aware of different sounds

Items within this section were combined empirically to create a Fine Motor subscale and a Gross Motor subscale. See the **Subscales** section of this report on page 19 and Appendix D.

Speech and Language Development

After consultation with teachers, speech/language pathologists, developmental psychologists and literacy experts, the following observable speech and language development questions were selected as being the strongest indicators of strengths and weaknesses in the areas of speech and language.

Questions in this section include:

- Understands English
- Child tells a complete story
- Parent understands their child
- Other people than parent understands the child
- Child received special help for speech
- Child needs extra help with speech and language

Items within this section were combined empirically to create an Expressive Language subscale and a Speech subscale. See the **Subscales** section of this report on page 19 and Appendix D.

School Skills

After consultation with preschool and kindergarten teachers, school administrators, developmental psychologists, and early childhood experts, the following items were selected as being the strongest observable indicators of strengths and weaknesses in the school skills area:

- Reads own written name
- Listens to and follows directions
- Writes own name
- Retells story just read aloud
- Learns new things

Items within this section have been combined to create Learning and Pre-Literacy subscales. See the **Subscales** section of this report on page 19 and Appendix D.

Social, Emotional, and Behavioral Functioning

Four subscales are assessed within this area. *Positive Peer Social* and *Negative Peer Social* (externalized behaviors) refer to a child's likeability, popularity, and quality of interactions among peers. *Task Orientation* assesses a child's ability to stay focused on and complete a task, while the *Shy-Anxious* scale measures "internalized" behaviors. These scales are subsets of constructs and items assessed by the Parent-Child Rating Scale, developed over the past 10+ years at the Children's Institute. Examples of items from each scale include:

- 1) Positive Peer Social:
 - Makes friends easily
 - Talks easily with other children
- 2) Negative Peer Social (externalized behaviors):
 - Bothers other children
 - Fights with other children
- 3) Task Orientation:
 - Completes things he/she starts
 - Concentrates
- 4) Shy Anxious (internalized behaviors):
 - Gets nervous easily
 - Worries a lot

See Appendix D for further information about these subscales.

Life Experiences

Life experience items were selected after consulting with resilience researchers, school, clinical, and developmental psychologists, school nurses, preschool and kindergarten teachers, and the research literature.

Examples of experiences assessed in this section include:

- Going to a library
- Going on other outings
- Experienced a parent who is depressed
- Witnessed violence in the neighborhood
- Witnessed violence at home
- Experienced the death of family member or close friend
- Child eats breakfast
- Child has enough food to eat

43% of the parents indicated that their children had gone to a library no more than 2 times in their lifetime and 22% had been on fewer than 3 outings, such as visits to a museum or zoo. 89% of parents reported that their child has daily contact with a mother (or mother-figure), as compared to 52% with a father (or father-figure). 6% of respondents said a 'mother' spends almost no time with their child as compared to 24% with a 'father' spending almost no time with their child. 70% of parents reported their child having a warm, close relationship with 3 or more adults. 43% of the parents reported they read daily to their child, whereas 9% of the children watched television 5 or more hours each day. 24% of the respondents stated that their children go to bed after 9:00 p.m.

36% of the respondent said the children have experienced parental separation or divorce. 19% of the children have been away from their parent(s) for more than a month. 40% of the children had changed residence within the past six months. 74% have moved to another home in their lifetime.

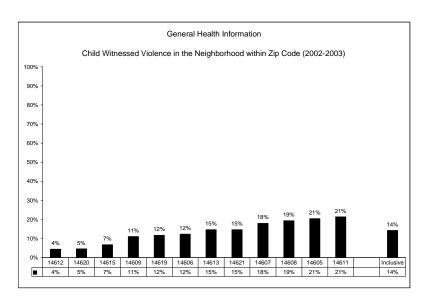
42% of the children have seen close friends or relatives very sick and 35% have experienced the death of a close family member or friend. Parents reported that 24% of the children had experienced a parent with bouts of depression and 12% have seen a family member with a drug or alcohol problem.

New to the PACE this year was information about children witnessing violence in their neighborhoods and homes. Parents indicated that 14% of children had seen violence at home and 21% had witnessed violence in the neighborhood.

	2002-2003				
	3 or				
	Never	1 Time	2 Times	More Times	
Witnessed violence in the neighborhood	79%	12%	5%	4%	
Witnessed violence at home	86%	9%	2%	3%	

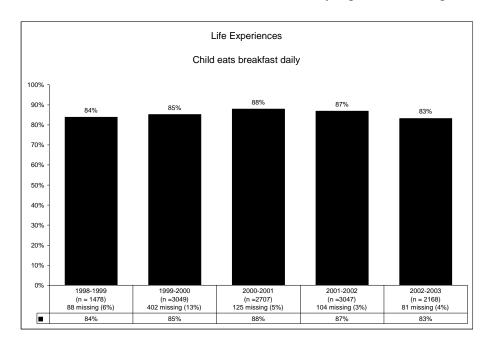
Organizing this information by zip code, rates of witnessing neighborhood violence ranged from 4% to 21%. Refer to the table and chart below for more details.

Child Witnessed Violence in the Neighborhood within Zip Code (2002-2003)						
Zip Code	Zip Code Count Witnessed Violence Count		Percent			
14612	67	3	4%			
14620	107	5	5%			
14615	88	6	7%			
14609	341	38	11%			
14619	136	16	12%			
14606	146	18	12%			
14613	184	27	15%			
14621	394	58	15%			
14607	50	9	18%			
14608	160	31	19%			
14605	200	41	21%			
14611	215	46	21%			
Landard and	0000		4.40/			
Inclusive	2088	298	14%			



97% of the children were reported as having sufficient food to eat each day. 83% of the parents reported that their child eats breakfast daily, although 2% of the children almost never eat breakfast.

In the last 2 years respondents have reported a decrease of children eating breakfast daily, from 87% (2001-2002) to 83% (2002-2003), a statistically significant change.



Subscales

Empirically derived subscales were developed and confirmed within several areas of the PACE 2.0. Items within these respective areas are combined to provide reliable generalized information about children's overall functioning. Over four years of data and statistical procedures, including factor analysis, principal components analysis, and Cronbach's alpha were used to develop these the subscales. See Appendix D for further information.

Area	Subscales				
Fine Motor, Gross Motor and Sensory Functioning	Fine Motor	Gross Motor			
Speech and Language Development	Expressive Language	Speech			
School Skills	Learning	Pre-Literacy			
Social, Emotional, and Behavioral Functioning	Negative Peer Social	Task Oriented	Positive Peer Social	Shy Anxious	

Closing Thoughts

Because of the high percentage of PACE measures returned compared to RCSD kindergarten enrollment, we are confident that the current data have ample power for policy implications. Additionally, the results have great possibilities for future analyses covering this year plus trends and comparisons over the time span of PACE.

We plan to continually review and refine the PACE, when and where necessary, to ensure there is a reliable and valid system in place allowing for relevant communication among parents, schools and the community. Our primary goal of this effort is to provide such relevant and timely information so parents, providers and policy makers can make sound and timely decisions that will improve young children's health and well-being across multiple and interrelated domains. However, information alone is not enough to make changes. It takes people willing to step forward and say, "This issue _____ (you fill in the blank) is important to me and I am going to do something about it." We ask that you review this current report and then ask yourself what you are going to do next to make this city, county and state a better place for children to live.

APPENDIX A

Demographic Tables and Charts

Demographics

Mother's Education

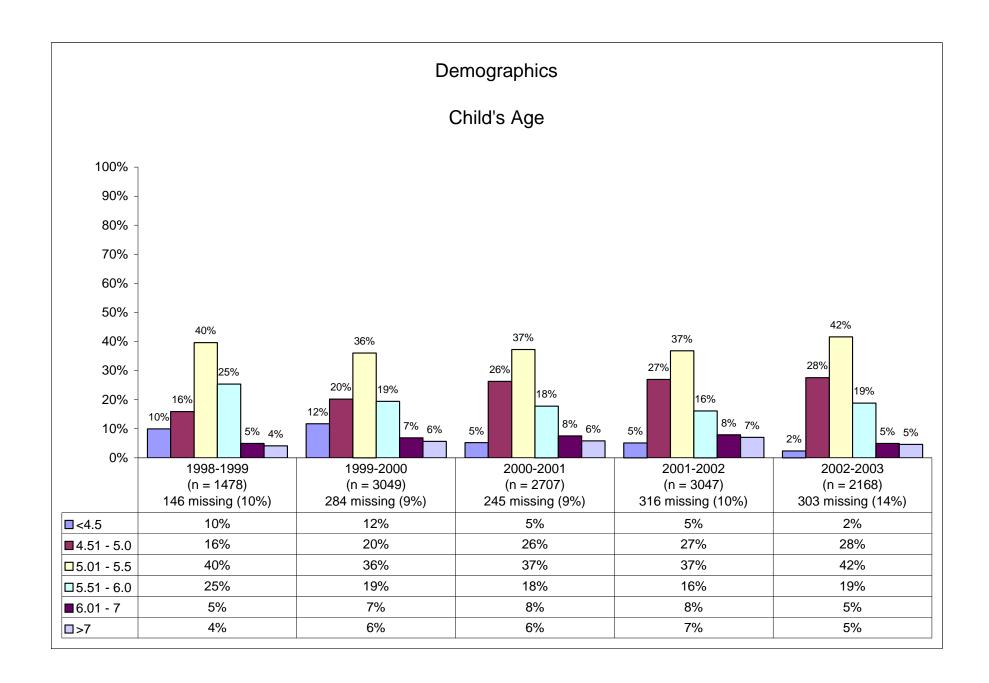
	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
	340 missing (23%)	681 missing (29%)	537 missing (25%)	622 missing (26%)	417 missing (19%)
Some High School	25%	23%	20%	22%	23%
GED	16%	15%	14%	14%	16%
High School Graduate	23%	24%	21%	21%	20%
Technical or Trade School	3%	3%	2%	3%	3%
Some College	13%	14%	14%	15%	17%
Two Year Degree	11%	11%	11%	10%	12%
Four Year Degree	6%	5%	11%	10%	6%
Graduate Degree	4%	4%	6%	6%	3%

Father's Education

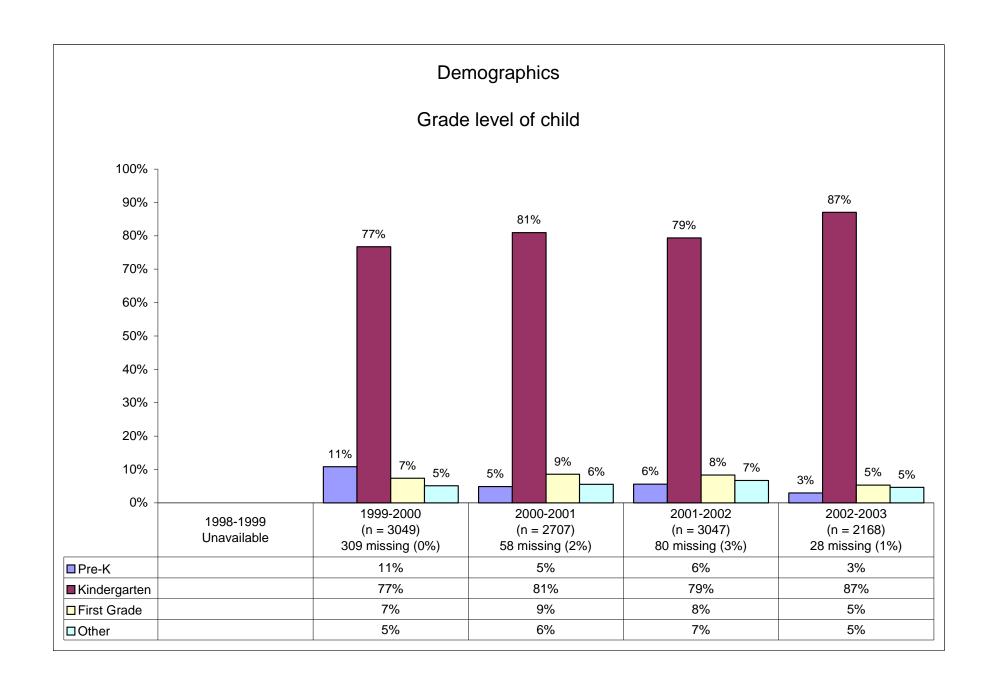
	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
	437 missing (30%)	959 missing (31%)	812 missing (30%)	908 missing (30%)	626 missing (29%)
Some High School	25%	24%	22%	21%	23%
GED	14%	15%	13%	14%	20%
High School Graduate	35%	33%	27%	29%	28%
Technical or Trade School	3%	3%	3%	3%	3%
Some College	9%	11%	9%	13%	13%
Two Year Degree	5%	5%	7%	5%	5%
Four Year Degree	6%	5%	11%	9%	4%
Graduate Degree	3%	4%	7%	6%	4%

Adults in the Home with Child

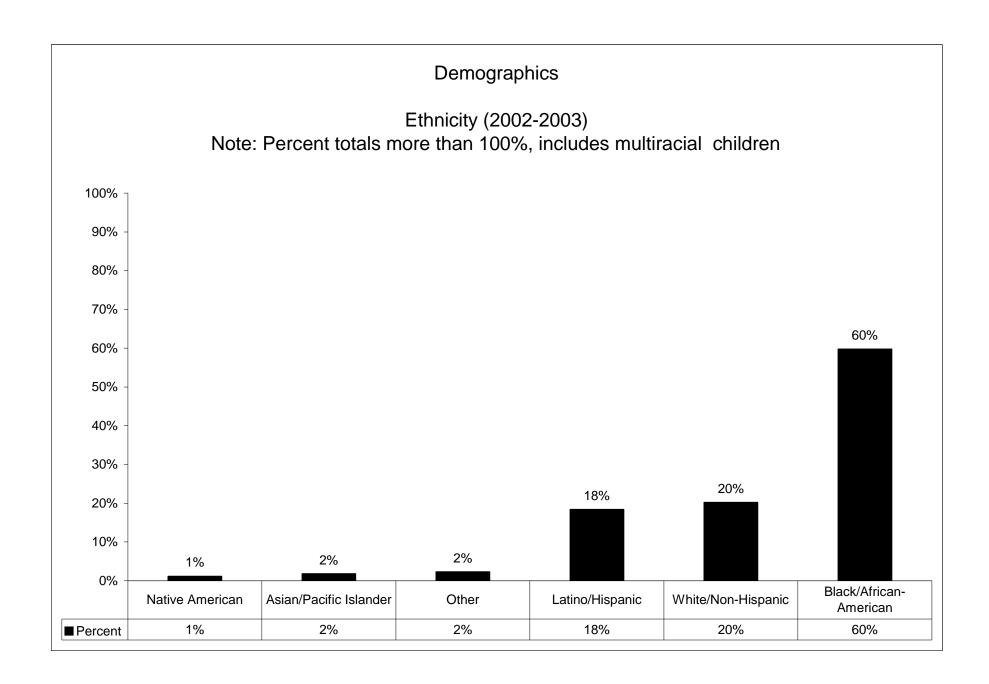
	/ tauto iii tiio i onia					
	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	
	(n = 1478)	(n = 3049)	(n = 2707)	(n = 3047)	(n = 2168)	
Mother	76%	77%	76%	76%	80%	
Father	30%	31%	36%	36%	34%	
Grandmother	11%	11%	10%	12%	13%	
Aunt	6%	6%	7%	7%	7%	
Stepfather	7%	6%	7%	6%	7%	
Uncle	4%	5%	5%	4%	5%	
Other Female	4%	4%	5%	4%	4%	
Other Male	4%	4%	5%	4%	4%	
Grandfather	4%	4%	4%	4%	5%	
Adult Brother	4%	4%	4%	4%	4%	
Adult Sister	3%	4%	4%	3%	5%	
Stepmother	1%	0.4%	1%	1%	1%	



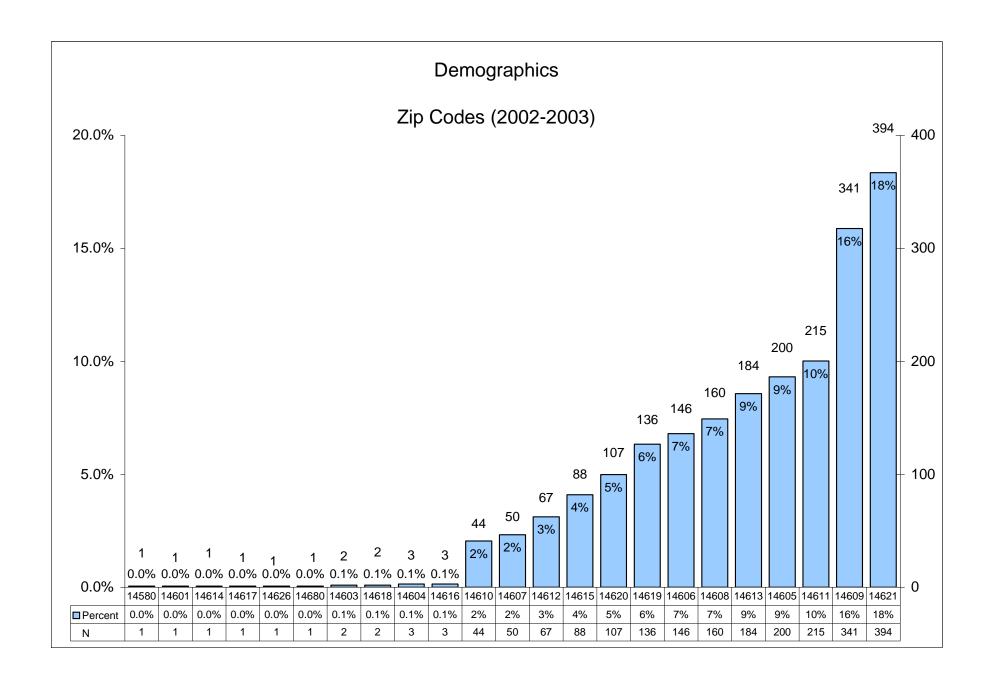
A-2 Demographic Tables and Charts



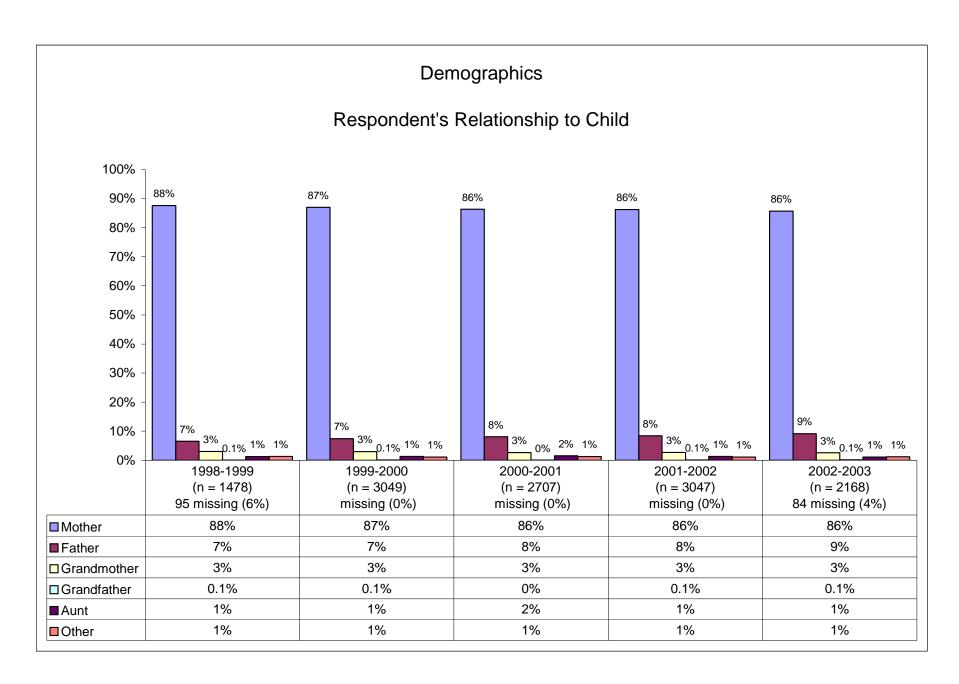
A-3 Demographic Tables and Charts



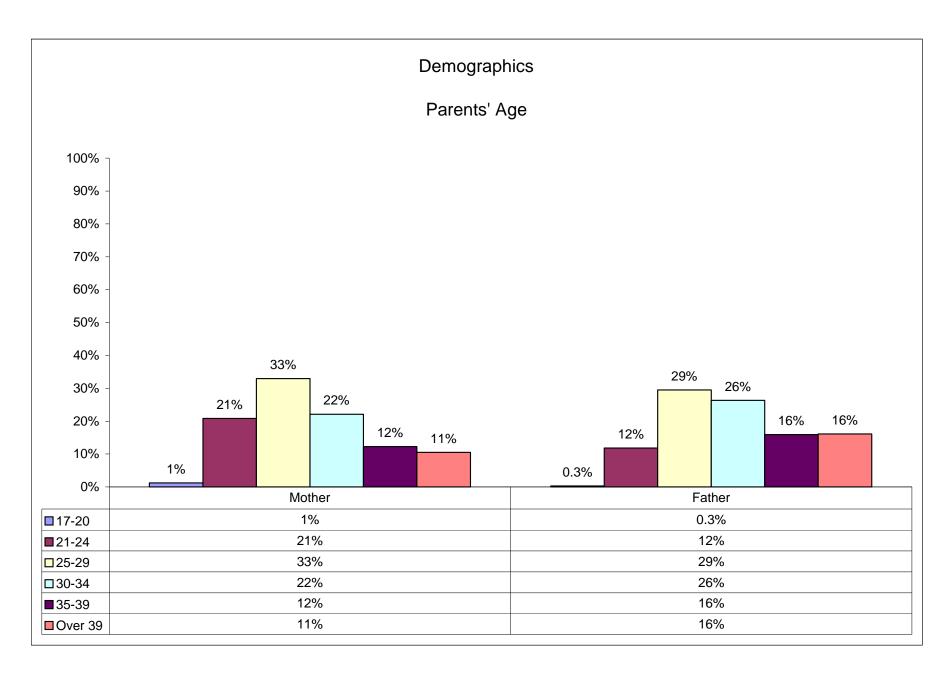
A-4 Demographic Tables and Charts



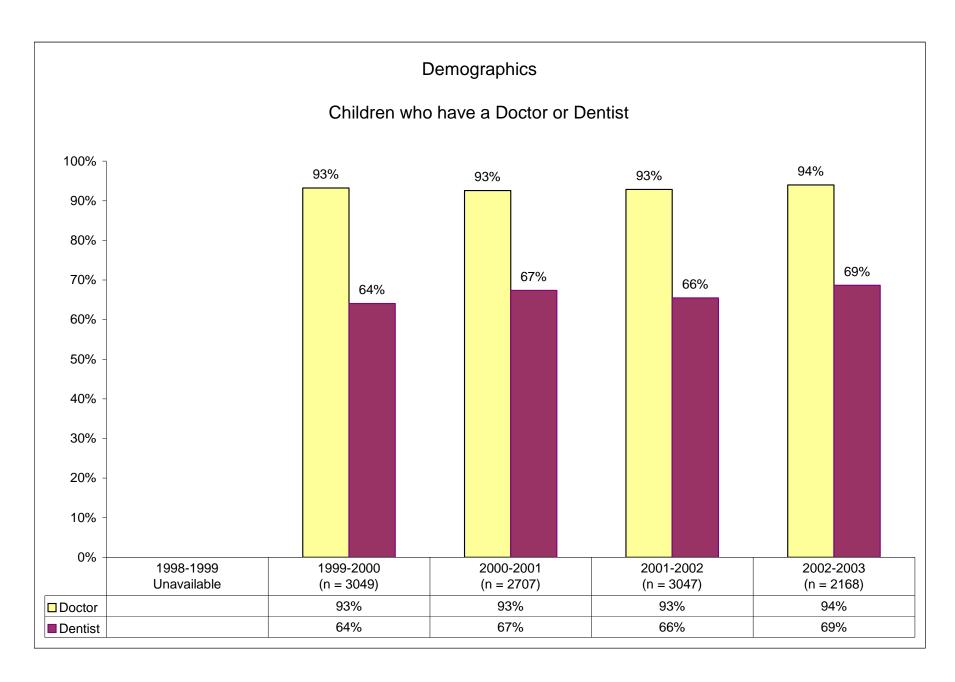
A-5 Demographic Tables and Charts



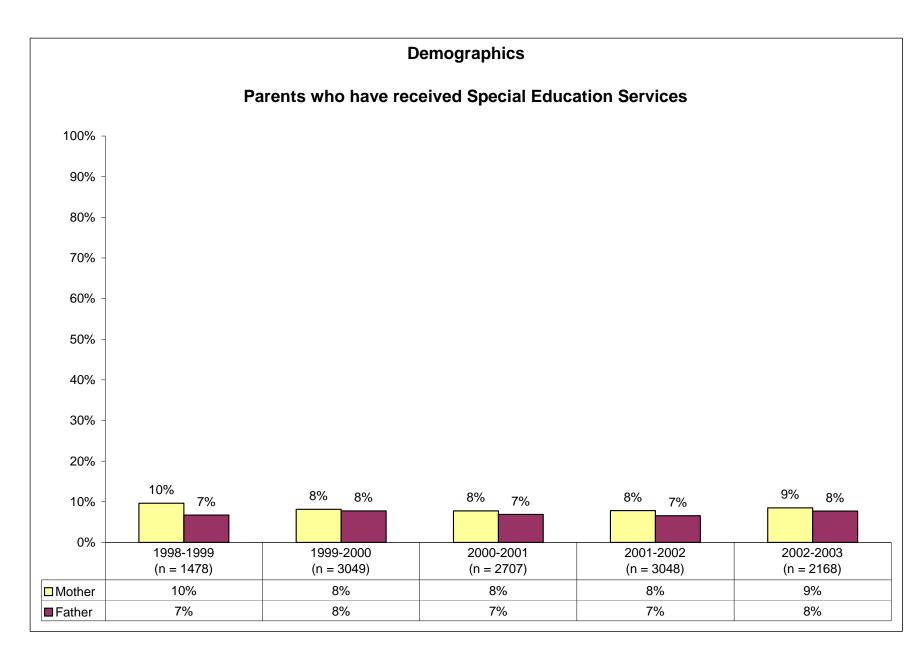
A-6 Demographic Tables and Charts



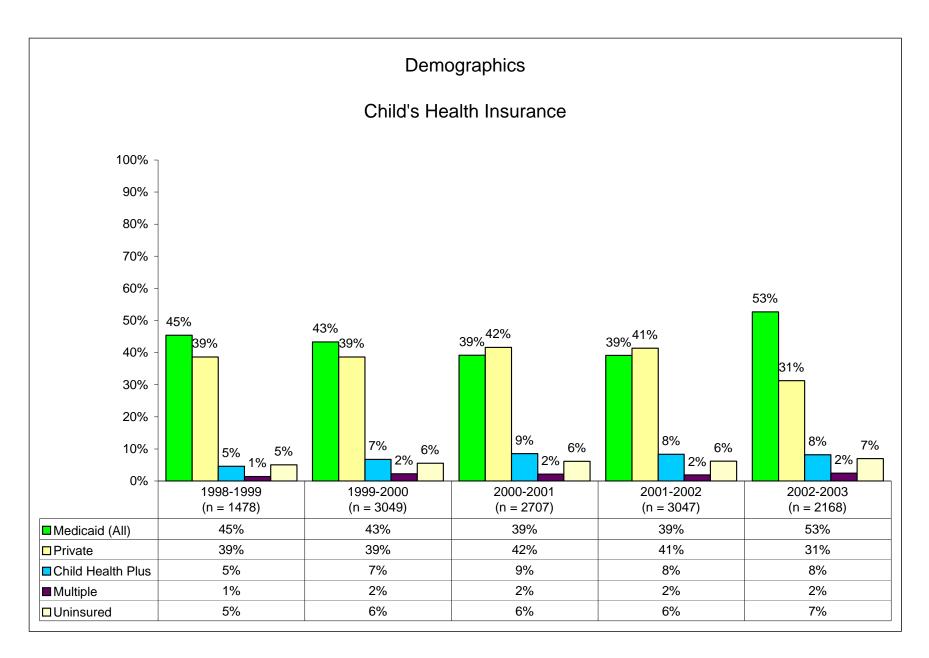
A-7 Demographic Tables and Charts



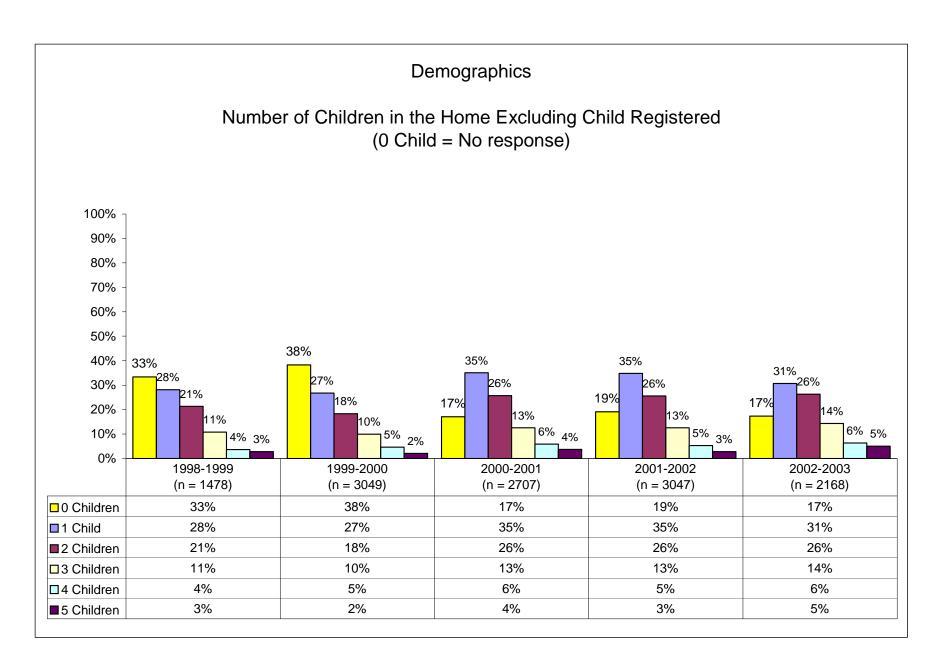
A-8 Demographic Tables and Charts



A-9 Demographic Tables and Charts



A-10 Demographic Tables and Charts



A-11 Demographic Tables and Charts

APPENDIX B

Health Related Tables and Charts

General Health Information

Item #6: Child's allergies

	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
	(n = 1478)	(n = 3049)	(n = 2707)	(n = 3047)	(n = 2168)
None	78%	79%	77%	77%	77%
Seasonal	7%	7%	10%	10%	11%
Medication	5%	4%	5%	6%	6%
Food	4%	3%	3%	4%	4%
Bee sting	1%	1%	1%	1%	1%
Other	3%	3%	2%	3%	3%

Item #8: Last routine doctor visit

	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
	(n = 1478)	(n = 3049)	(n = 2707)	(n = 3047)	(n = 2168)
	53 missing (4%)	101 missing (3%)	89 missing (3%)	99 missing (3%)	73 missing (3%)
Never	0.1%	1%	1%	1%	1%
Within last 6 Months	72%	68%	63%	61%	65%
Within past year	22%	26%	30%	31%	28%
More than 1 year ago	4%	4%	4%	4%	4%
More than 2 years ago	1%	1%	1%	0.4%	0.4%
Do not remember	1%	2%	2%	2%	1%

Item #9: Last dental visit

	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
	(n = 1478)	(n = 3049)	(n = 2707)	(n = 3047)	(n = 2168)
	52 missing (4%)	112 missing (4%)	89 missing (3%)	82 missing (3%)	64 missing (3%)
Never	23%	22%	19%	20%	21%
Within last 6 Months	46%	46%	49%	47%	44%
Within past year	20%	21%	21%	22%	23%
More than 1 year ago	7%	7%	8%	8%	8%
More than 2 years ago	1%	1%	1%	1%	2%
Do not remember	2%	3%	2%	2%	2%

Item #14: Has child ever had any health conditions that required emergency medical attention?

	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
	(n = 1478)	(n = 3049)	(n = 2707)	(n = 3047)	(n = 2168)
None	73%	79%	96%	77%	75%
Asthma	N/A	N/A	N/A	N/A	9%
Broken Bone	5%	4%	1%	4%	3%
Head Injury	2%	2%	0.4%	2%	2%
Burn	2%	2%	0.3%	1%	1%
Seizure	N/A	N/A	N/A	N/A	2%
Other	18%	14%	3%	16%	10%

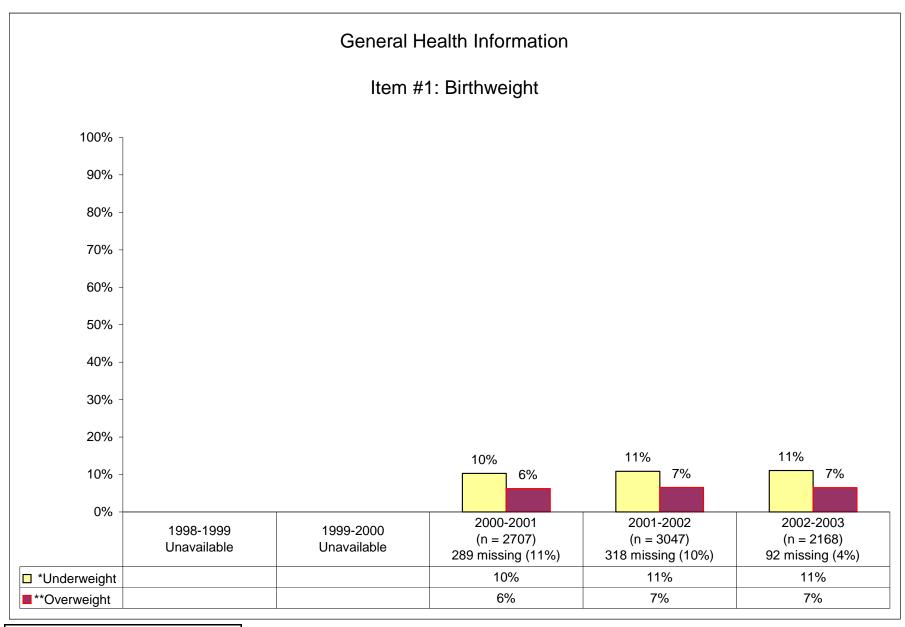
General Health Information

Item #15: Illnesses over child's entire life

	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
	(n = 1478)	(n = 3049)	(n = 2707)	(n = 3047)	(n = 2168)
Behavior Problems	N/A	N/A	N/A	N/A	8%
Bone or Joint Problems	1%	2%	1%	1%	1%
6 or More Ear Infections	12%	9%	10%	9%	11%
Early Intervention Services	3%	3%	39%	4%	5%
Hearing Problems	1%	1%	1%	0%	2%
Headaches (weekly or daily)	N/A	N/A	N/A	N/A	2%
Heart Trouble	1%	1%	1%	1%	1%
High Lead Levels	8%	6%	5%	4%	5%
Hyperactivity (ADD/ADHD)	2%	2%	2%	2%	3%
"Low iron" or iron deficiency	N/A	N/A	N/A	N/A	5%
PE / Ear tubes	4%	2%	4%	3%	3%
Poisoning	N/A	N/A	N/A	N/A	0%
Seizures/Epilepsy	1%	2%	2%	1%	1%
Sickle Cell Disease	1%	0.4%	0.3%	0.3%	1%
Stomach Aches (weekly or daily)	N/A	N/A	N/A	N/A	3%
Trouble seeing things	0.4%	1%	1%	0.4%	1%
Trouble sleeping - nightmares	N/A	N/A	N/A	N/A	3%
Wears Glasses	3%	2%	3%	3%	3%
Overweight	N/A	N/A	N/A	N/A	3%
Underweight	N/A	N/A	N/A	N/A	3%
Other conditions	3%	4%	4%	5%	4%

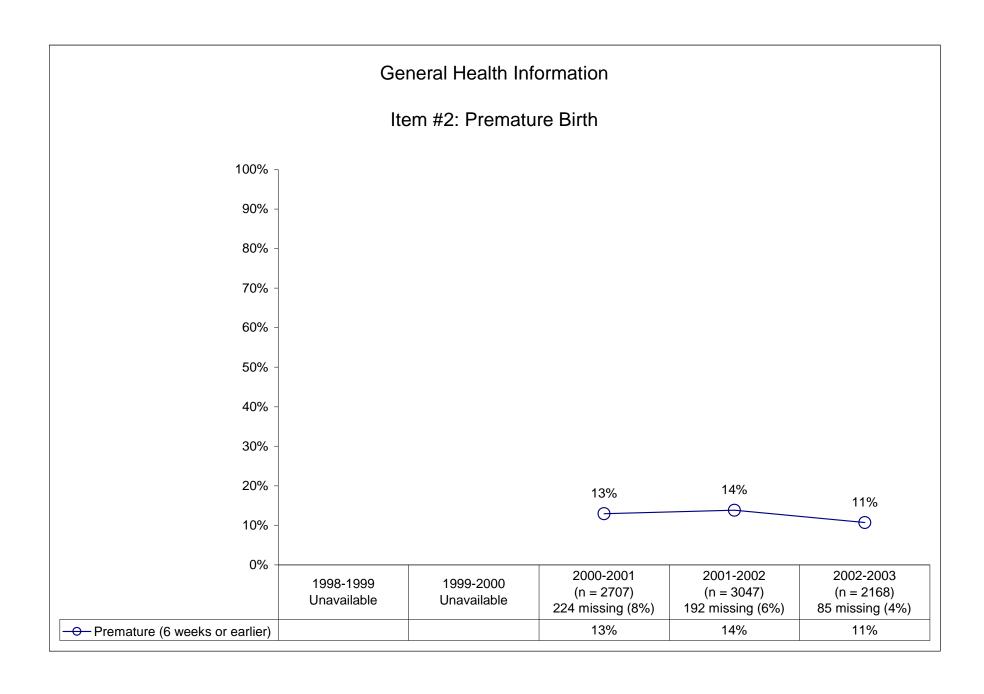
Item #19: Parents Who Would Like to Talk to the School Nurse

	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003
	(n = 1478)	(n = 3049)	(n = 2707)	(n = 3047)	(n = 2168)
	154 missing (10%)	222 missing (7%)	171 missing (6%)	162 missing (5%)	115 missing (5%)
No	87%	84%	85%	87%	87%
Yes	13%	16%	15%	13%	13%

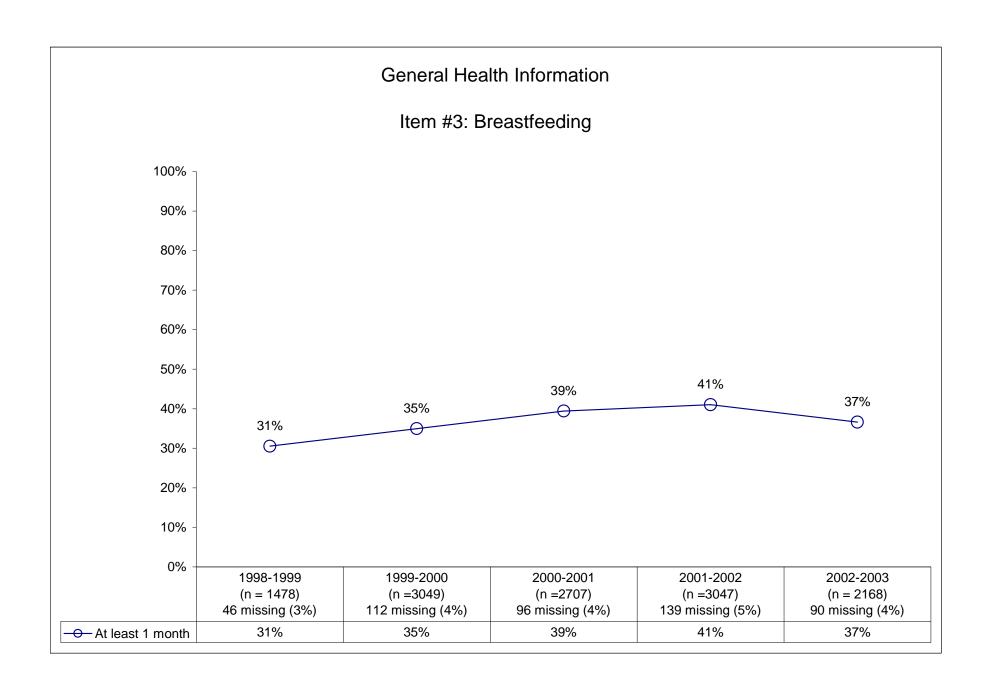


*Underweight: Less than 5 lbs. 8 oz. **Overweight: Greater than 9 lbs.

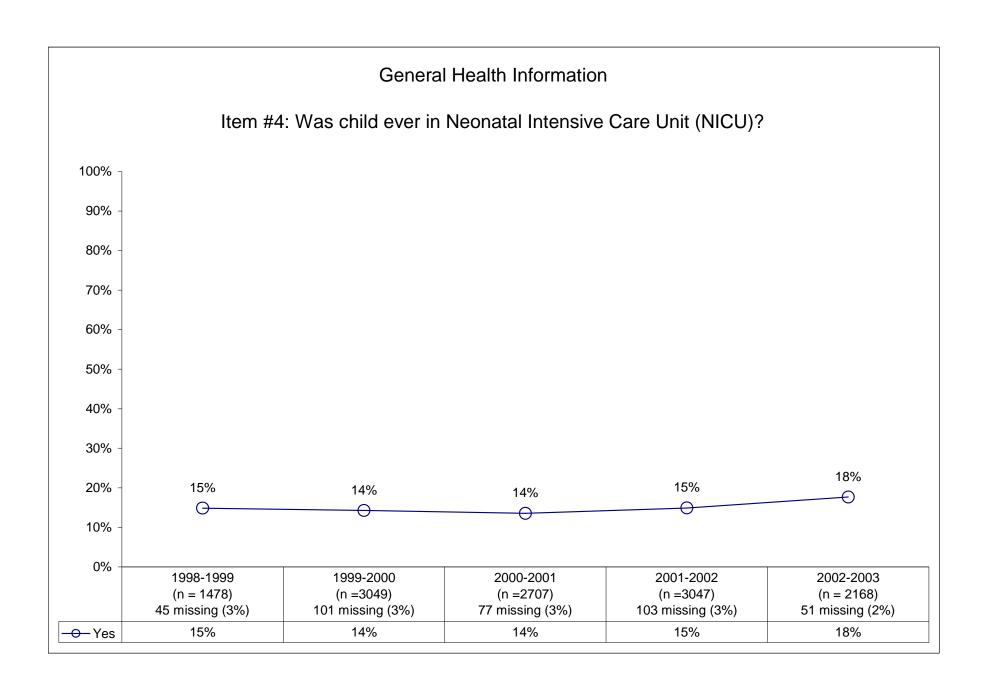
B-3 Health Related Tables and Charts



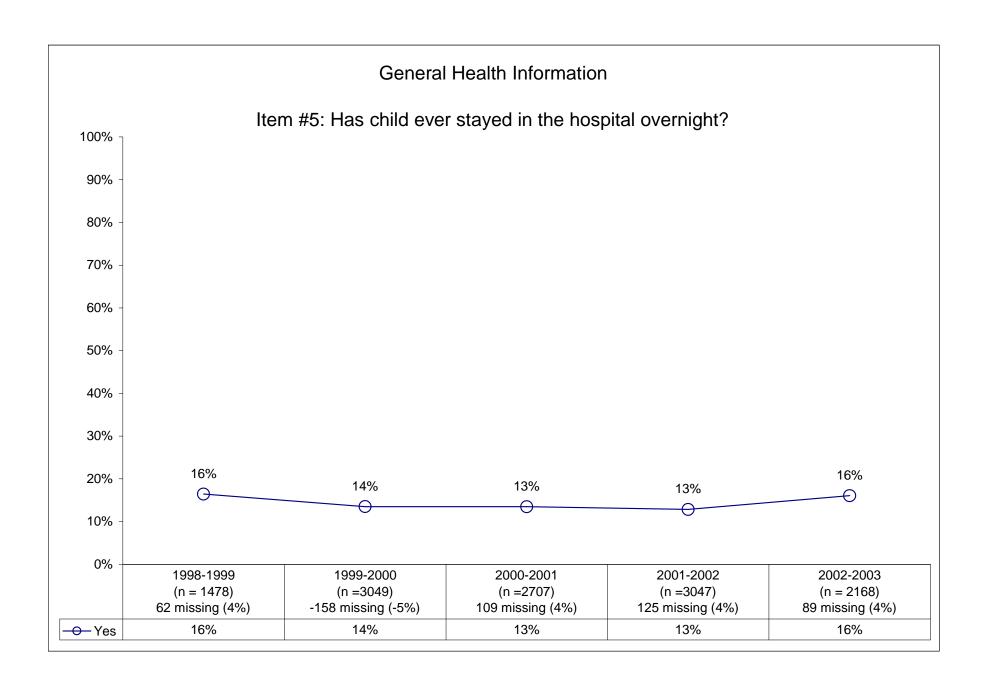
B-4 Health Related Tables and Charts



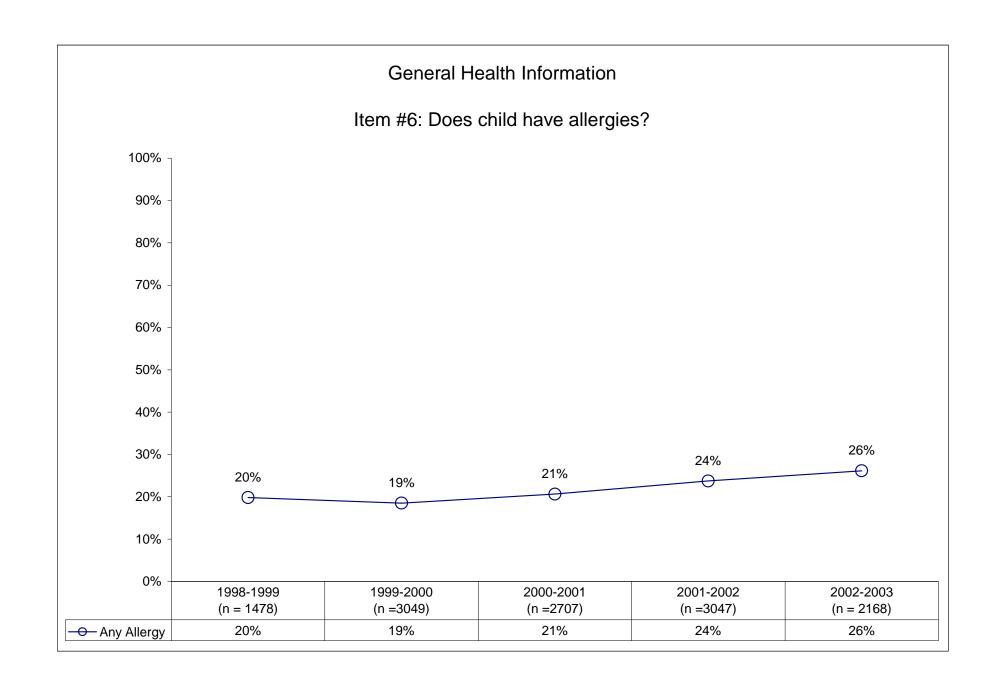
B-5 Health Related Tables and Charts



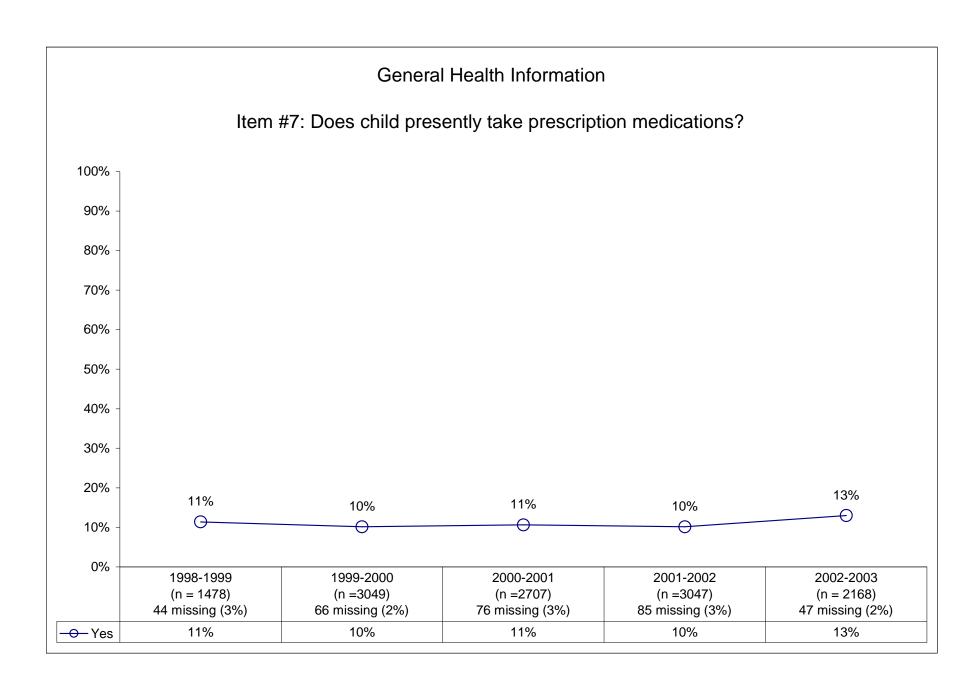
B-6 Health Related Tables and Charts



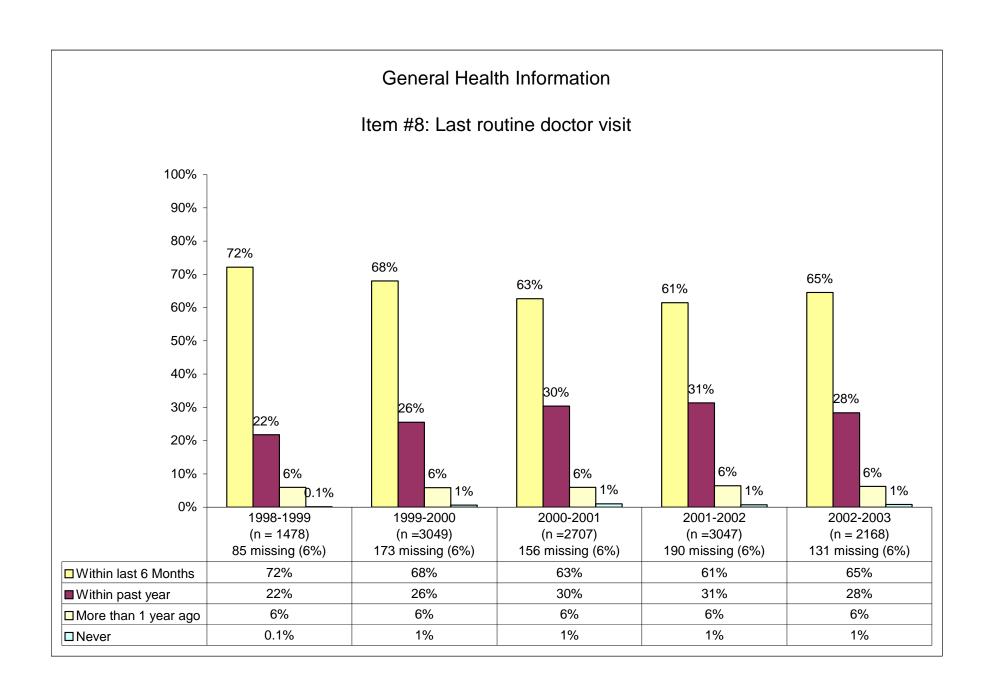
B-7 Health Related Tables and Charts



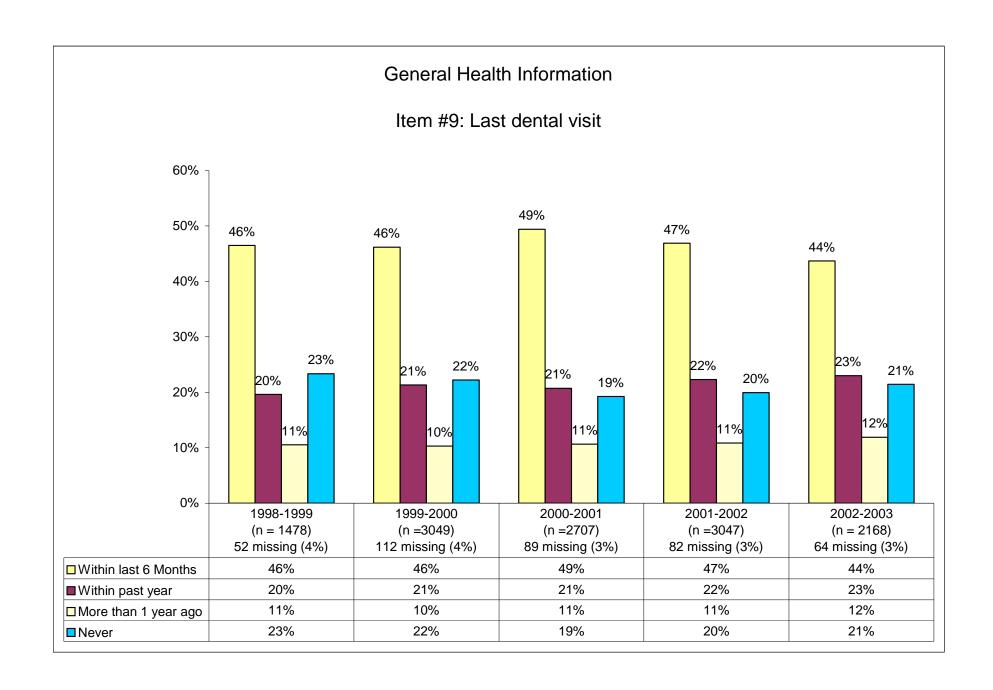
B-8 Health Related Tables and Charts



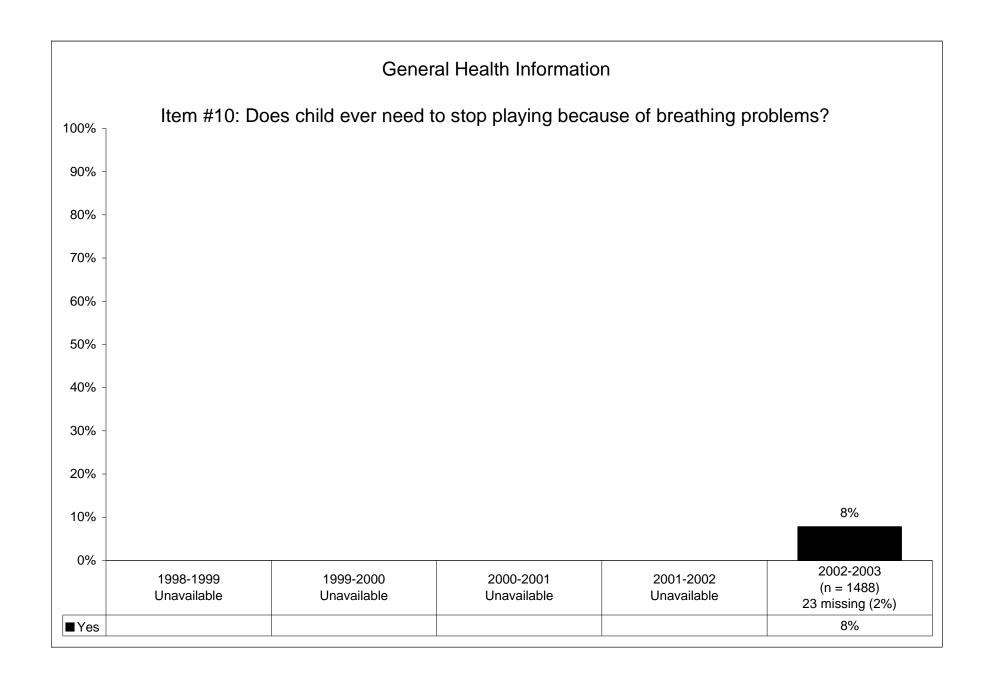
B-9 Health Related Tables and Charts



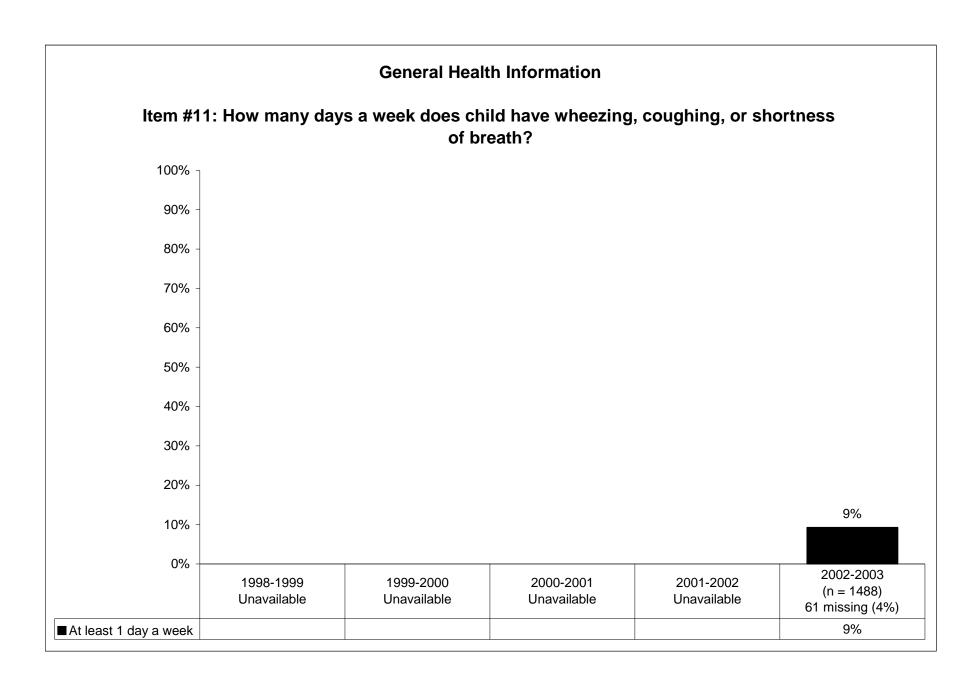
B-10 Health Related Tables and Charts

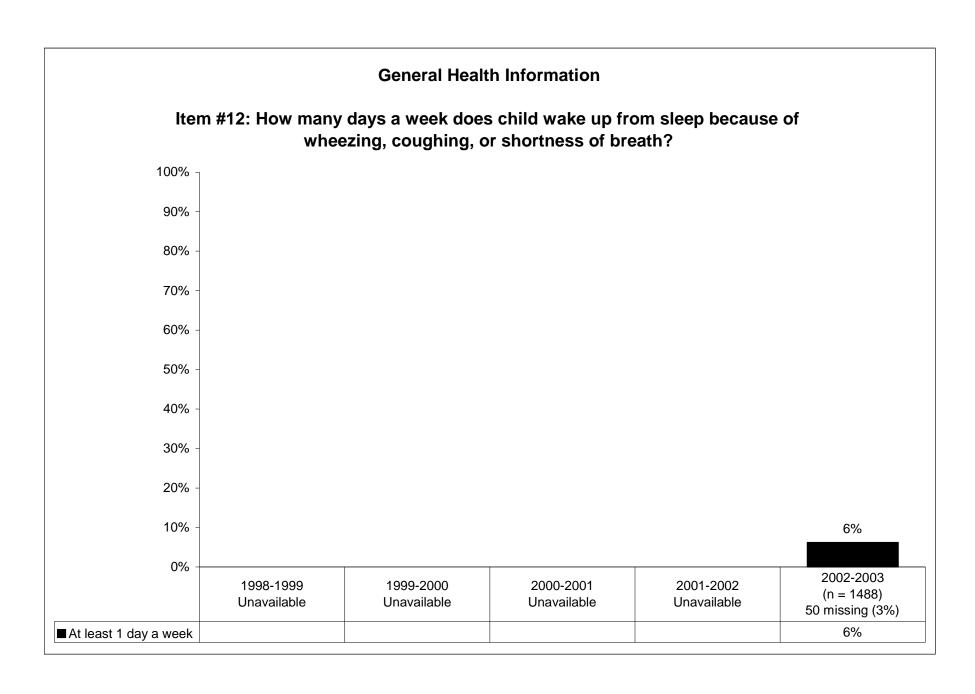


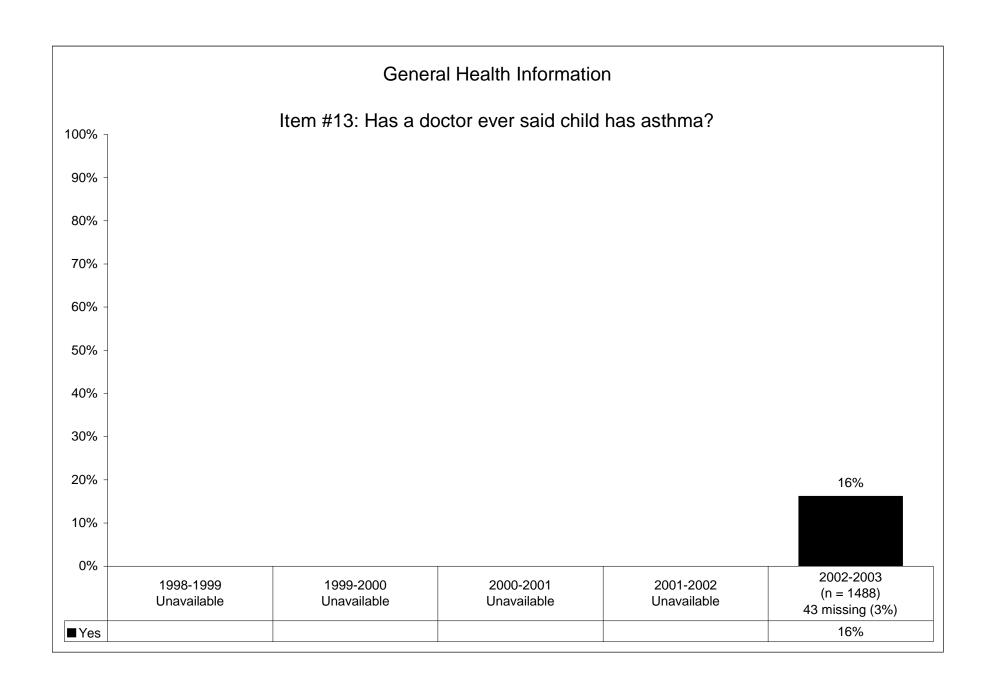
B-11 Health Related Tables and Charts



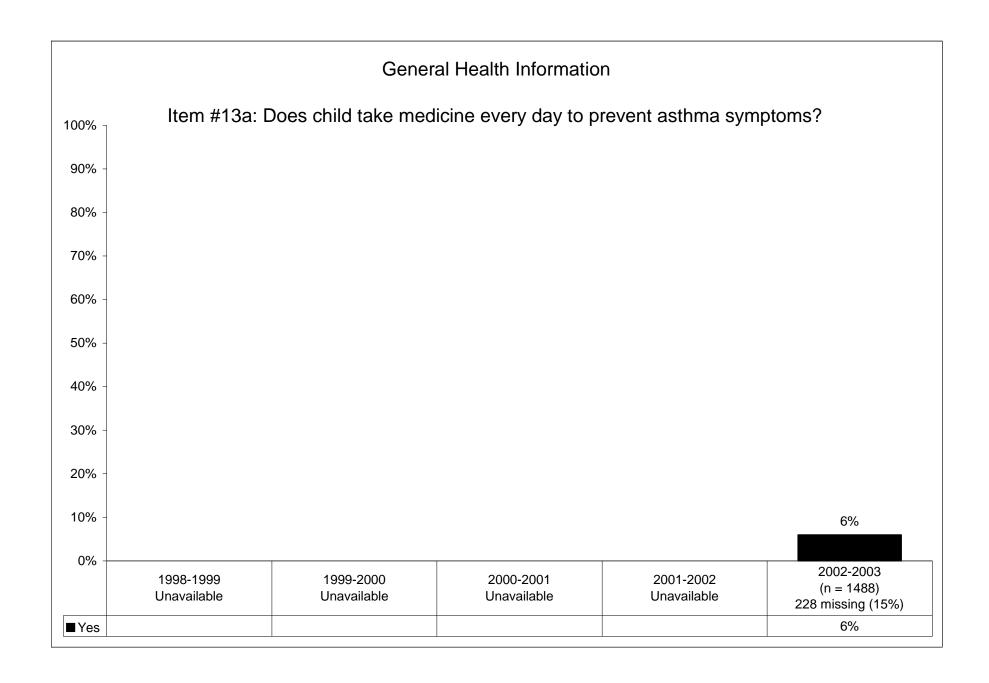
B-12 Health Related Tables and Charts

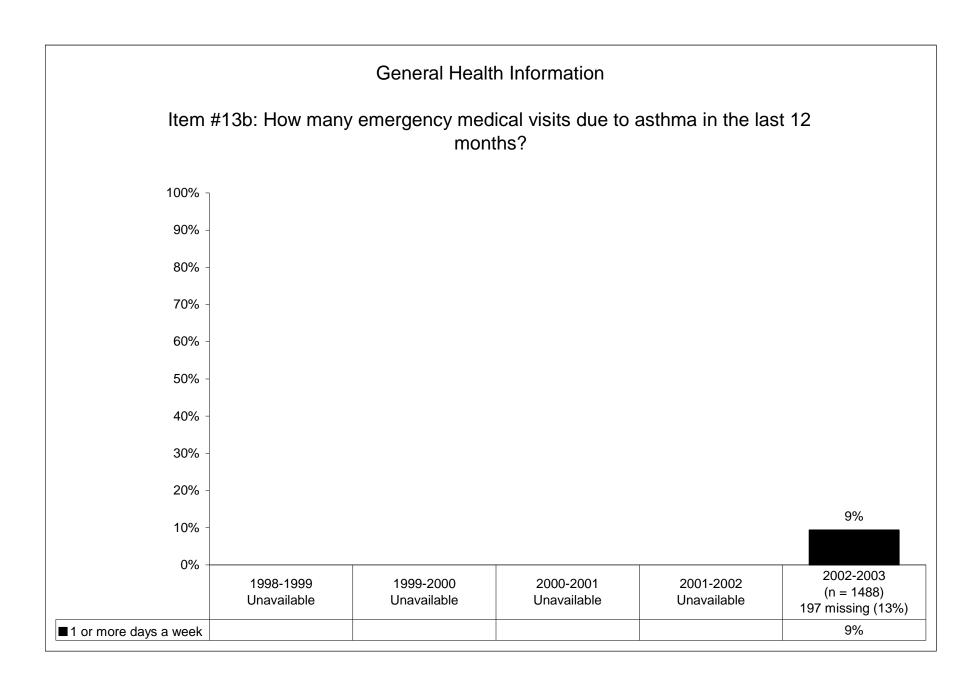




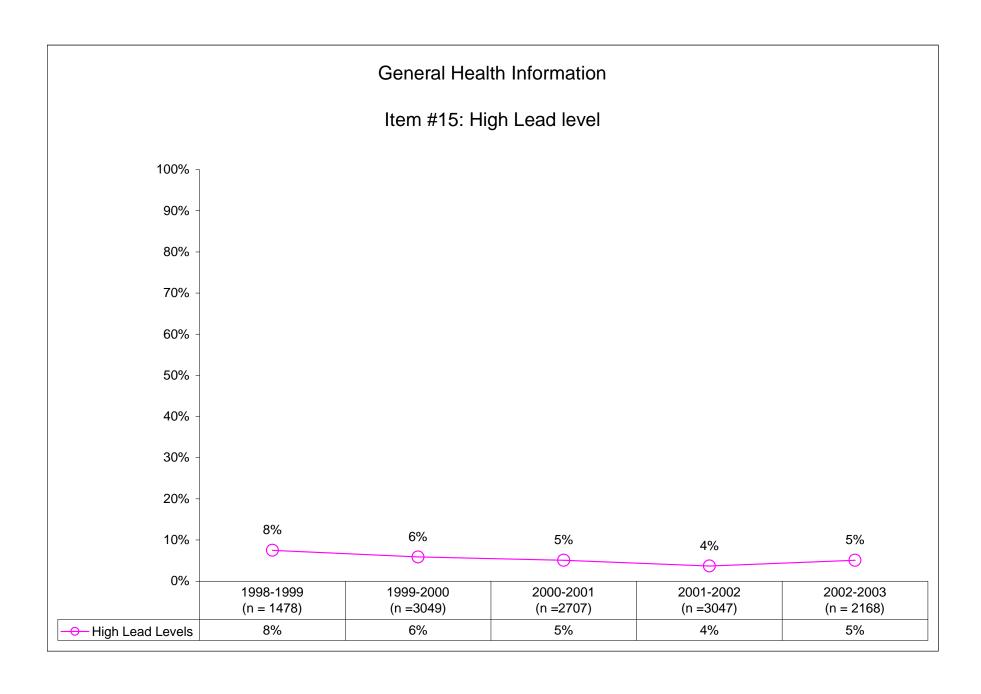


B-15 Health Related Tables and Charts

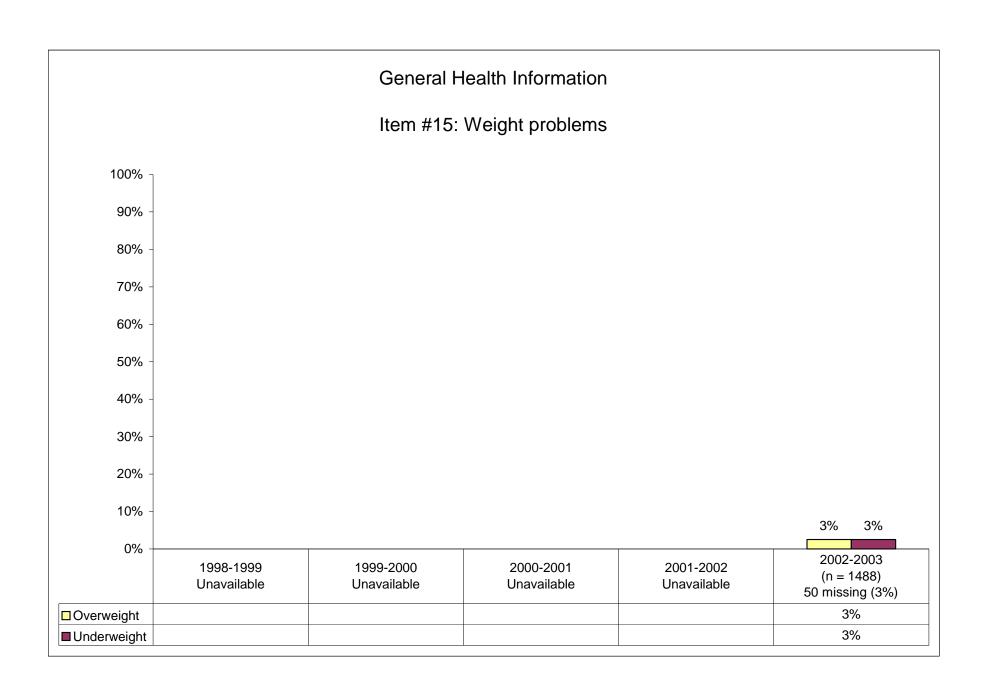




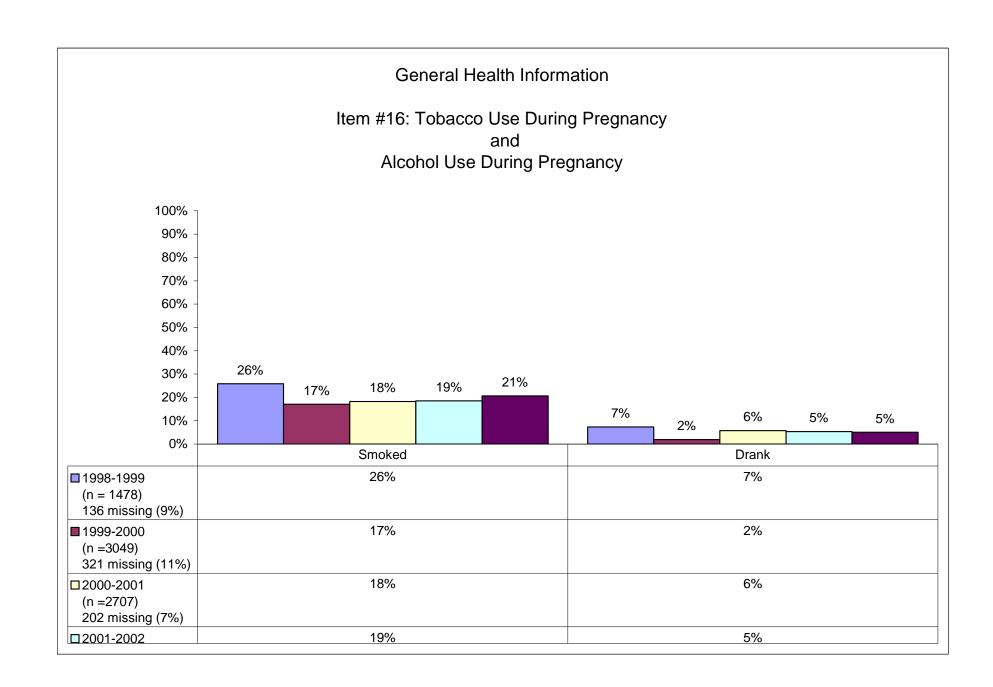
B-17 Health Related Tables and Charts



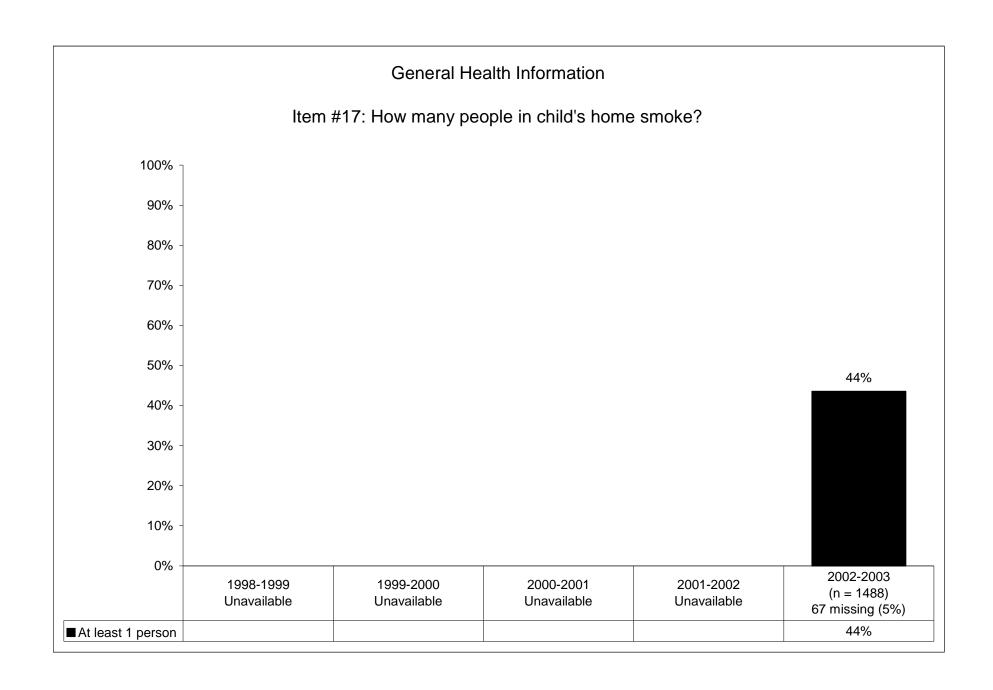
B-18 Health Related Tables and Charts



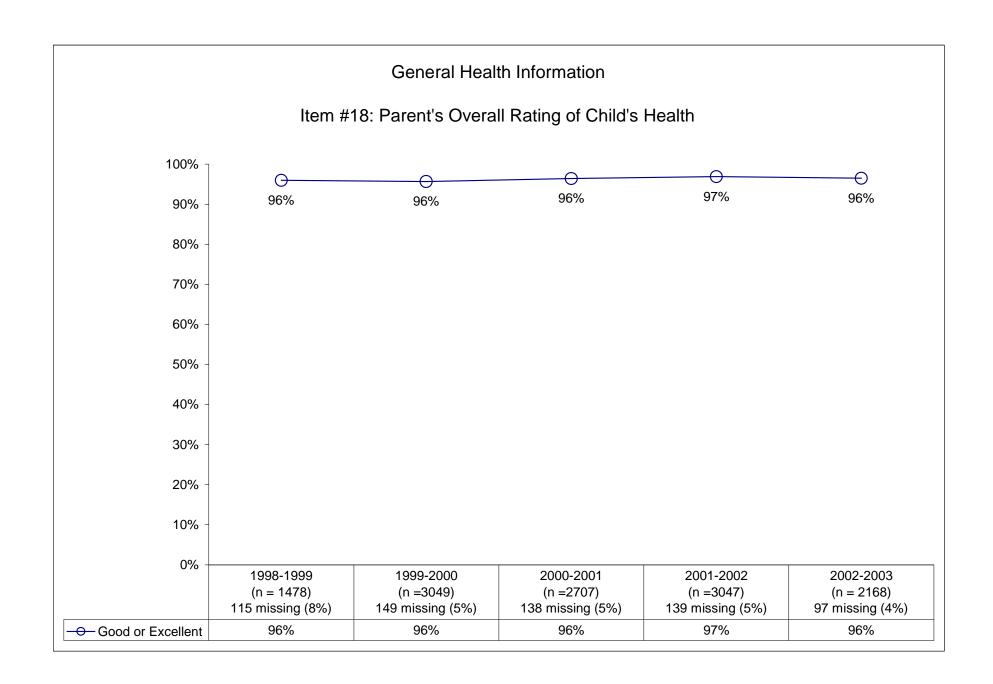
B-19 Health Related Tables and Charts



B-20 Health Related Tables and Charts



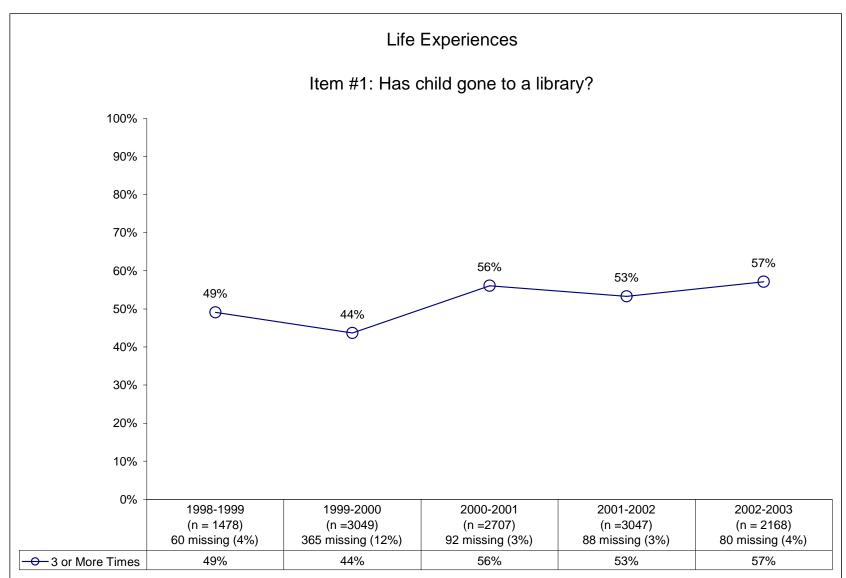
B-21 Health Related Tables and Charts

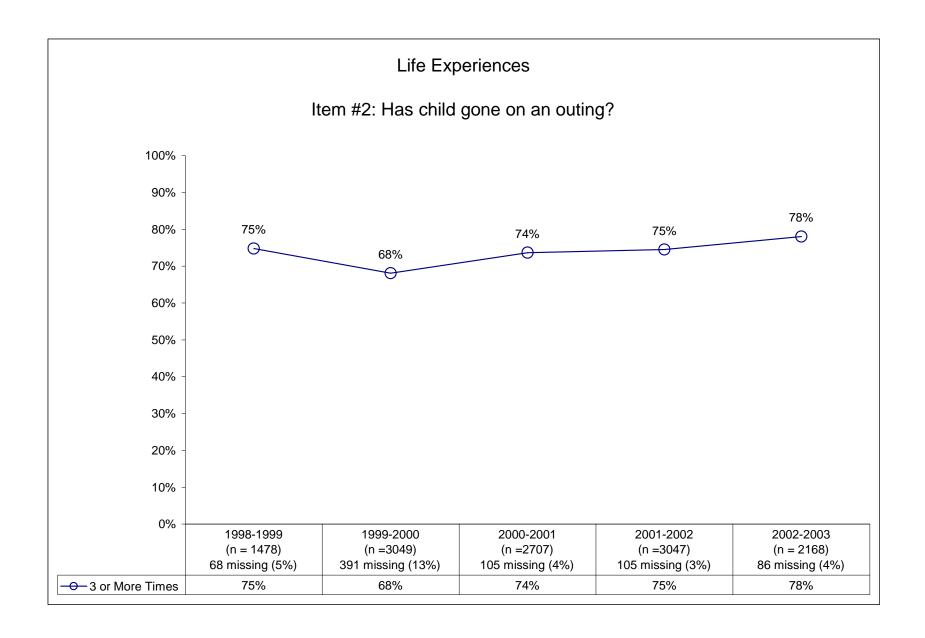


B-22 Health Related Tables and Charts

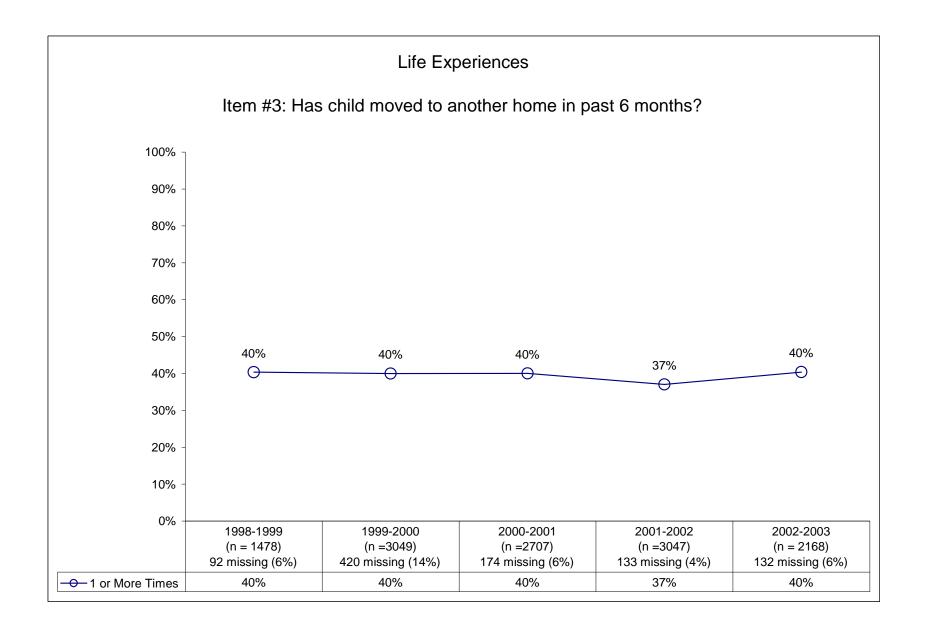
APPENDIX C

Life Experiences Charts

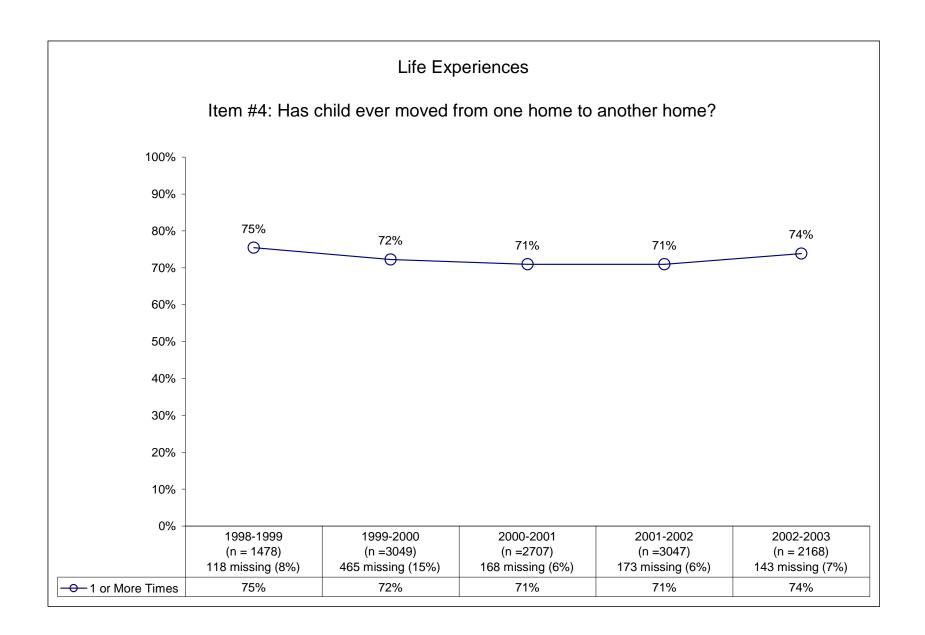




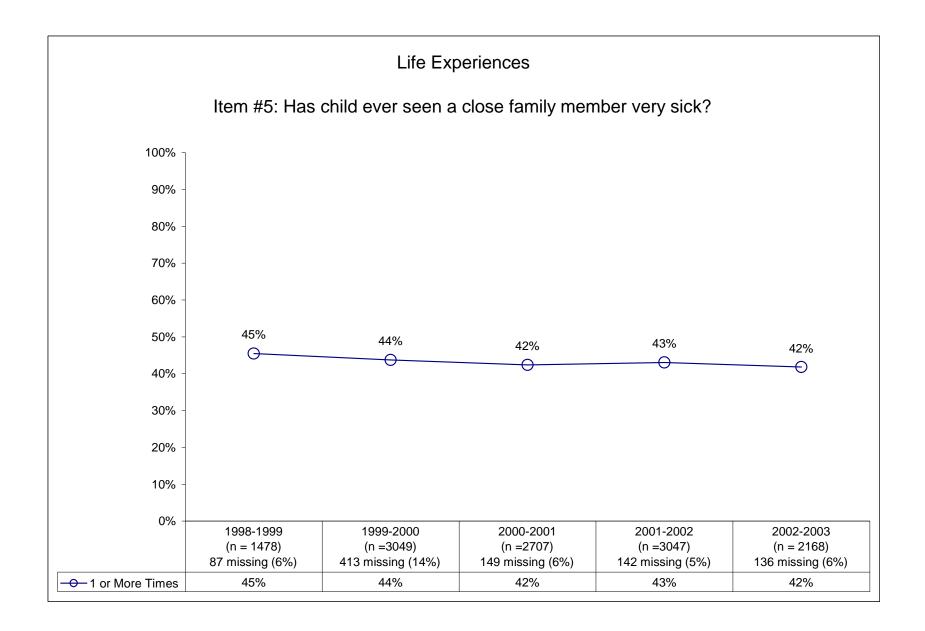
C-2 Life Experiences



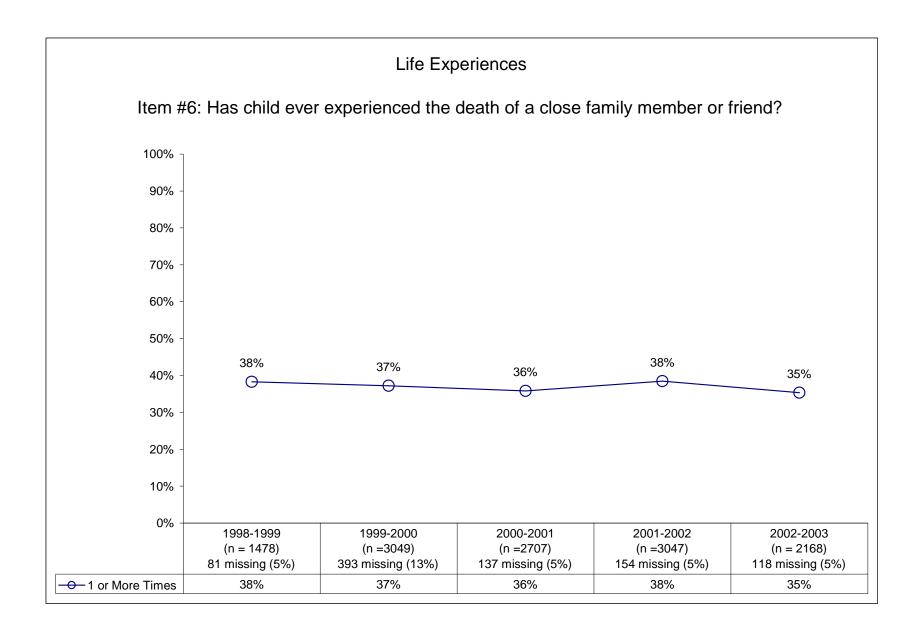
C-3 Life Experiences



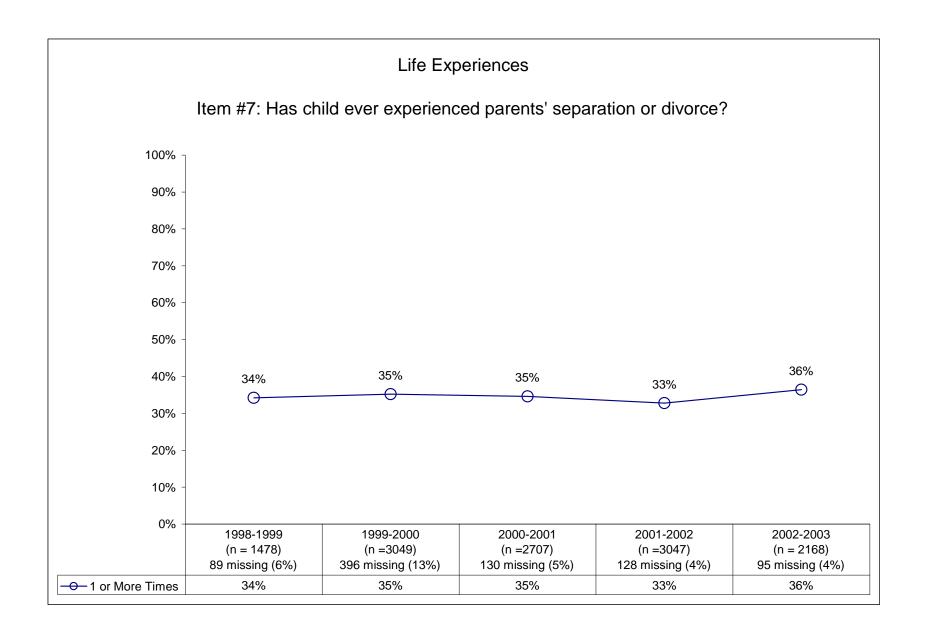
C-4 Life Experiences



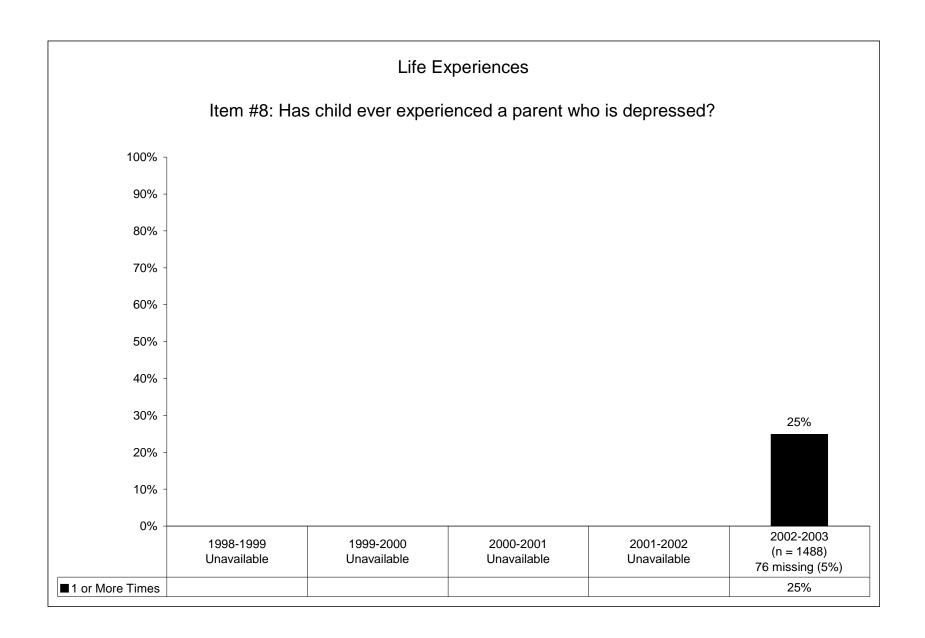
C-5 Life Experiences

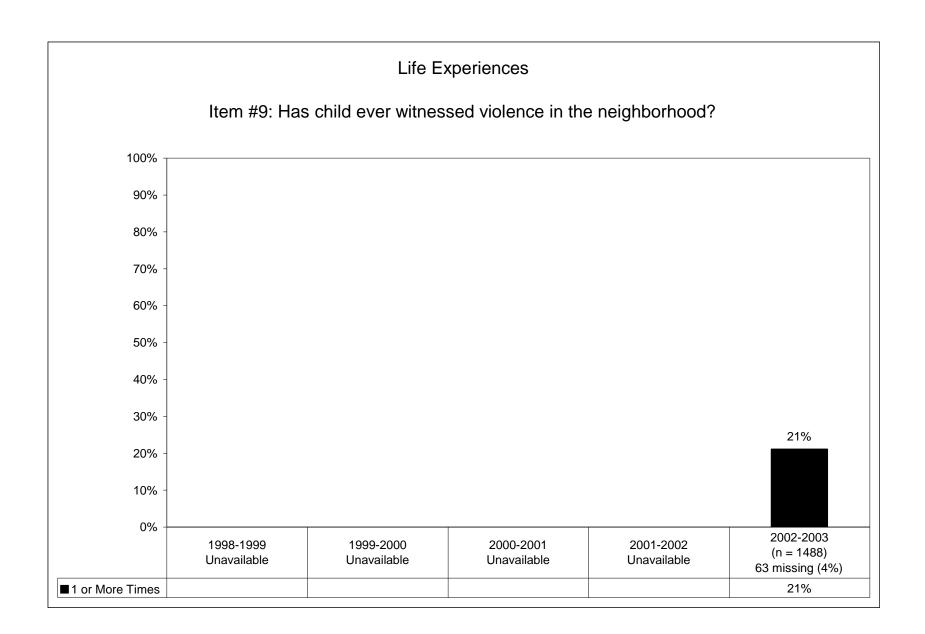


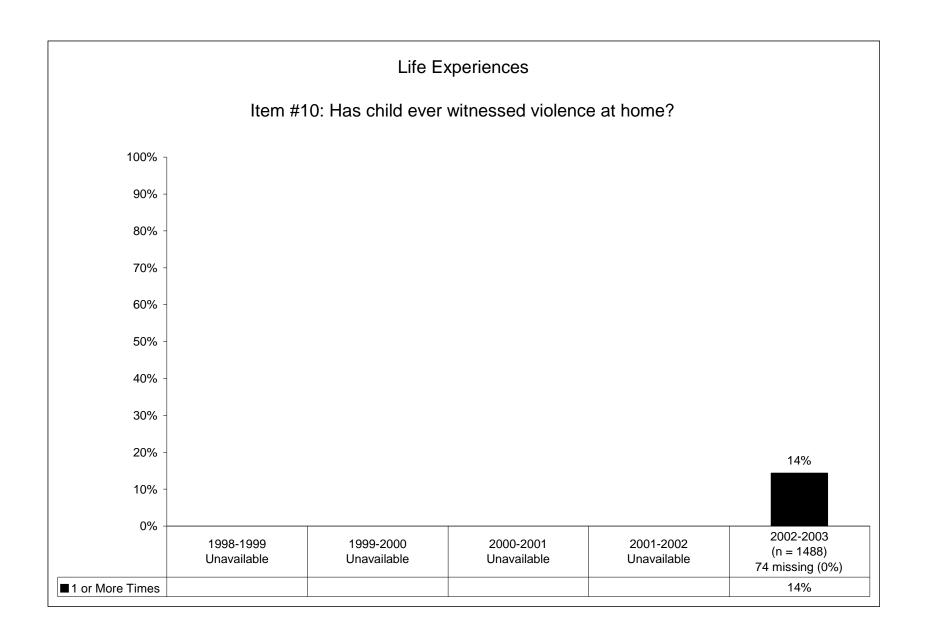
C-6 Life Experiences

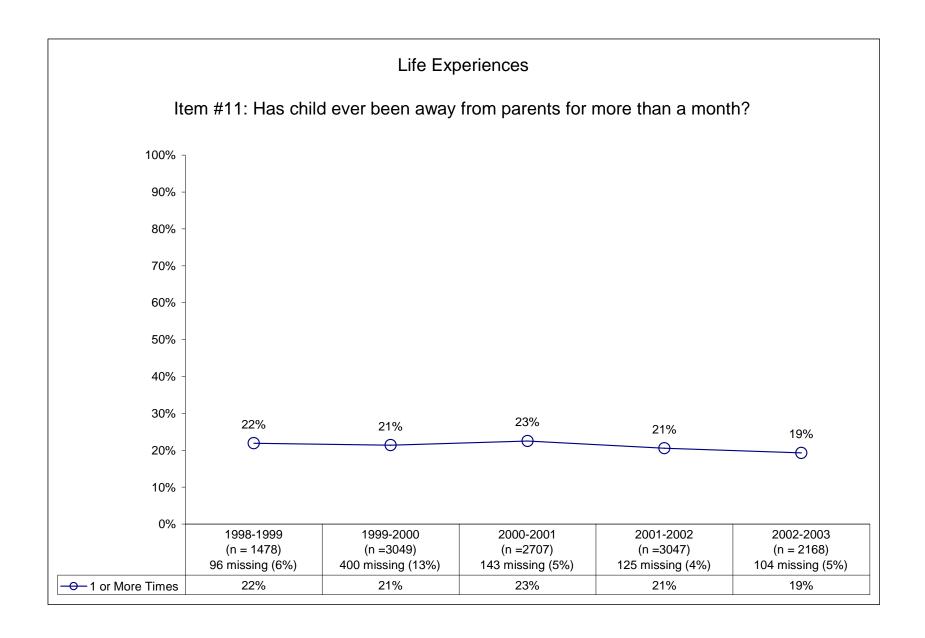


C-7 Life Experiences

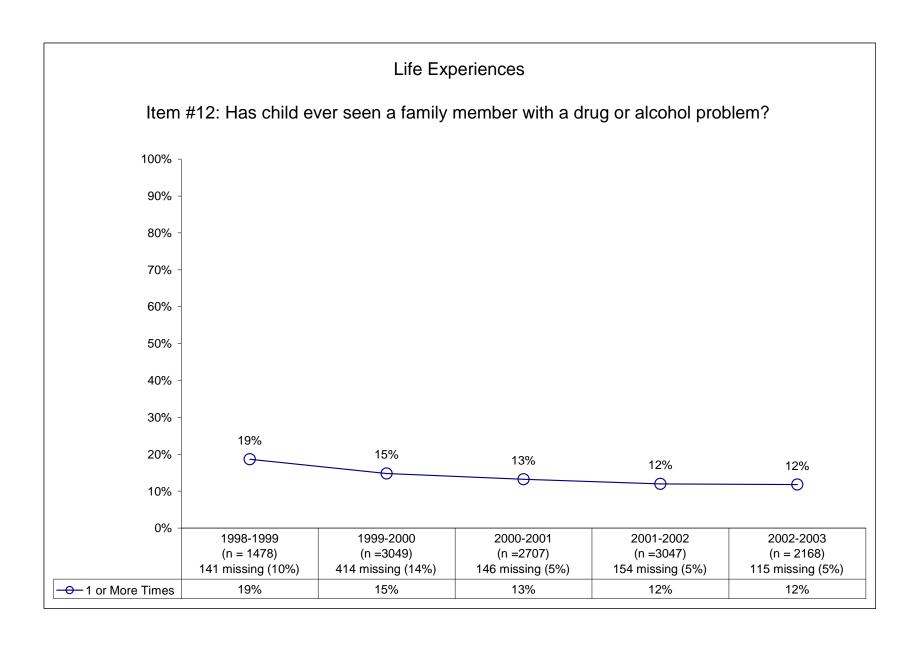




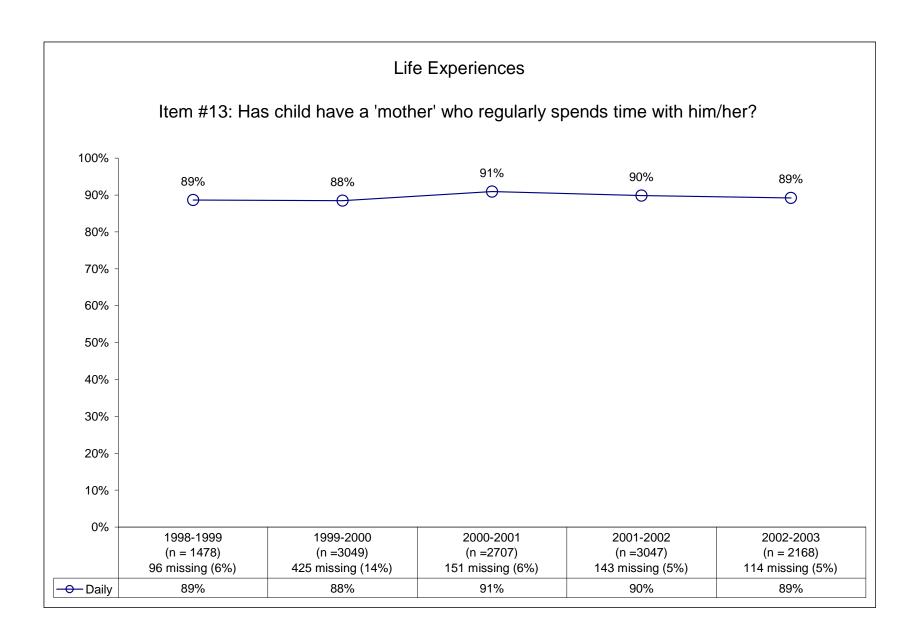




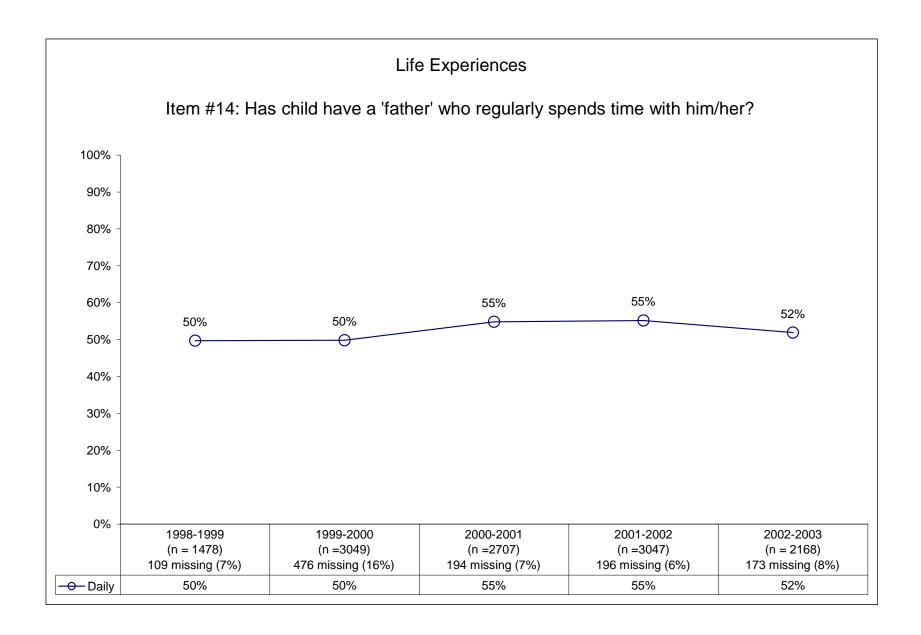
C-11 Life Experiences



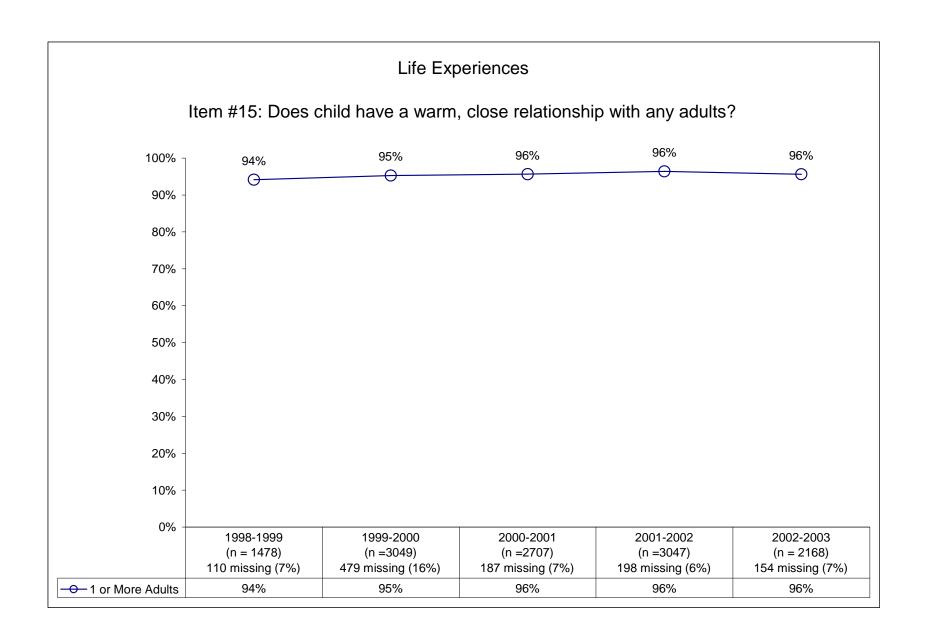
C-12 Life Experiences



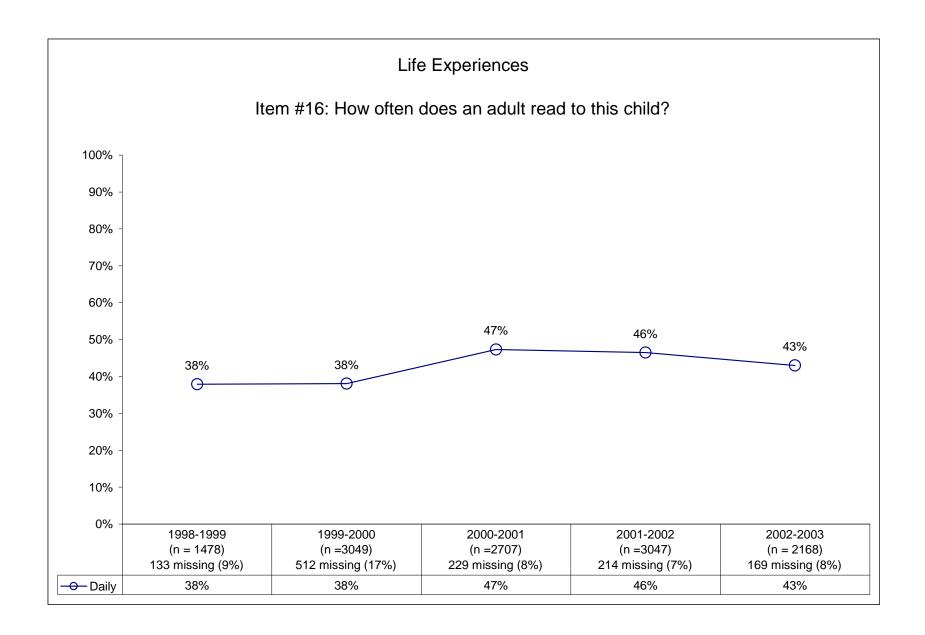
C-13 Life Experiences



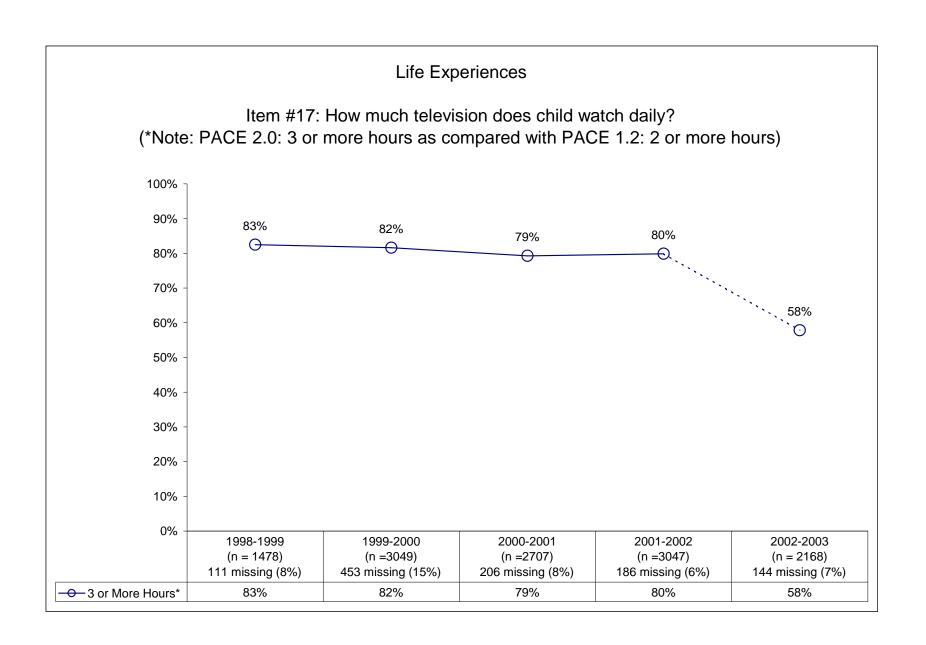
C-14 Life Experiences



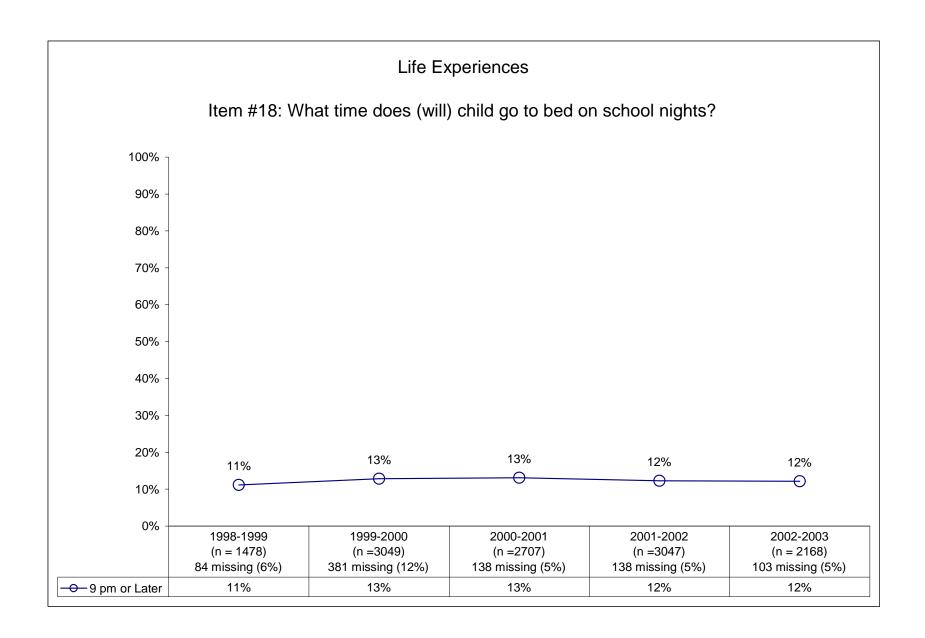
C-15 Life Experiences



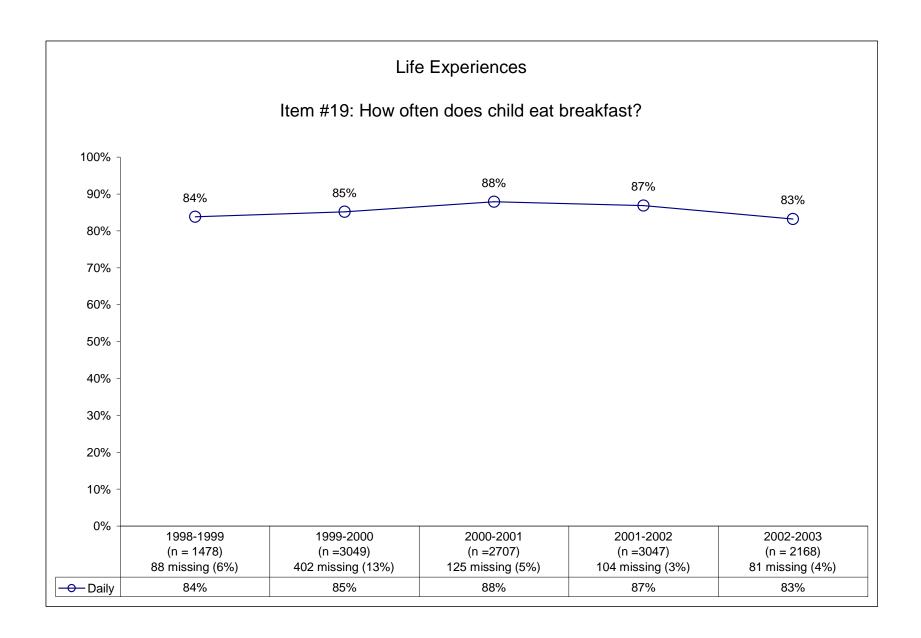
C-16 Life Experiences



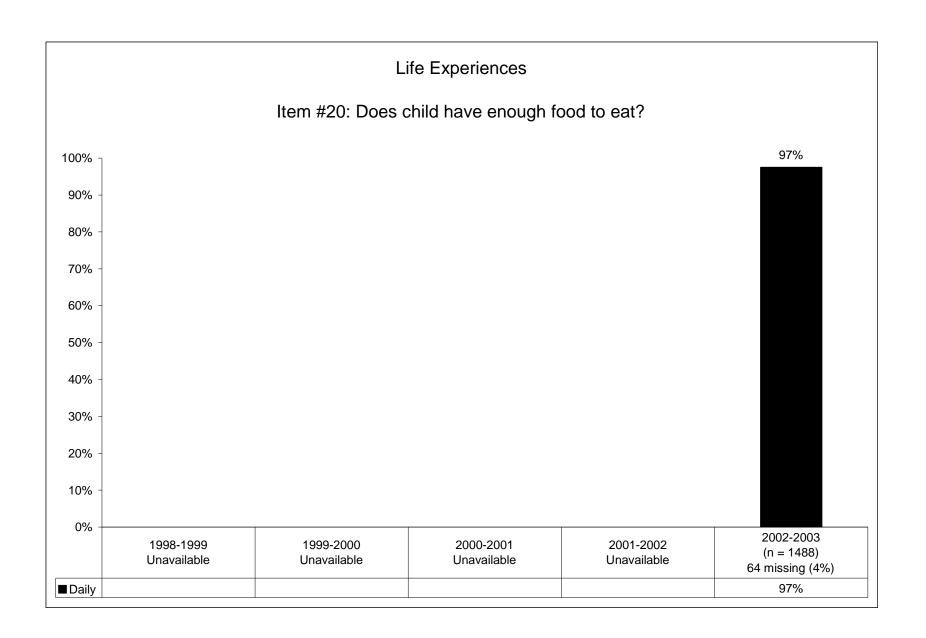
C-17 Life Experiences

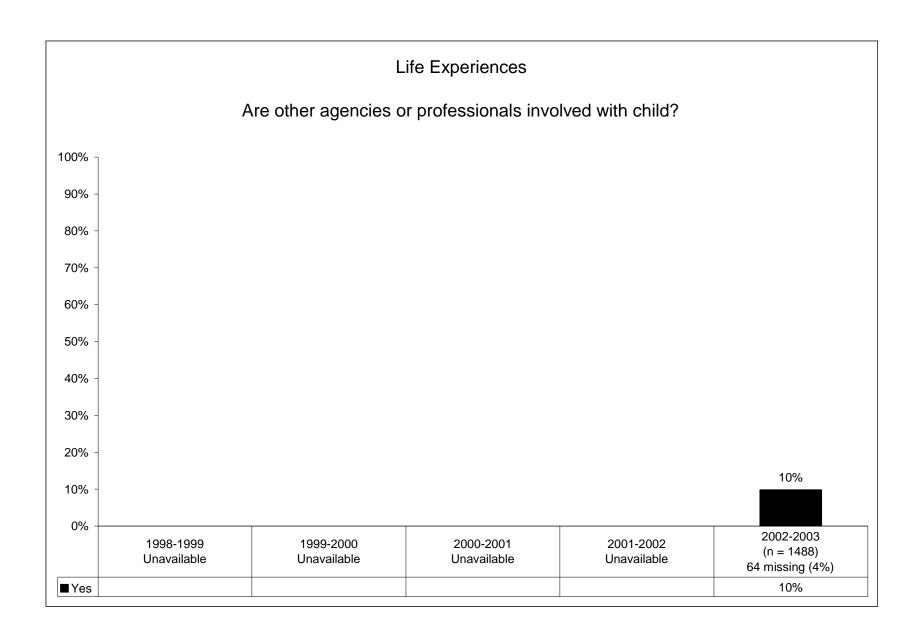


C-18 Life Experiences



C-19 Life Experiences





APPENDIX D

Scales Tables and Charts

PACE (2002-2003) Fine Motor, Gross Motor and Sensory Functioning Statistics for Kindergartners

Item Level

		Rem Ecver				
Item						
in	Item					Standard
Subscale	#	Description	n	Missing	Mean	Deviation
fm	1	Hold a pencil with his/her fingers for writing?	1261	34	3.3	0.81
fm	2	Draw or copy shapes like squares?	1238	57	2.9	0.97
fm	3	Zip his or her coat by self?	1244	51	3.3	0.89
fm	4	Cut out simple shapes, like a house, with scissors?	1233	62	2.7	1.02
gm	5	Run?	1246	49	3.7	0.63
gm	6	Balance on one foot without support?	1241	54	3.5	0.74
gm	7	Go down steps one foot after the other without holding a railing?	1243	52	3.6	0.71
gm	8	Catch a small ball, like a tennis ball?	1251	44	3.2	0.88
	9	Trip and fall?	1805	58	1.7	0.65
	10	Avoid touching slimy or gooey things like play-dough, mud, or glue?	1768	95	1.7	0.87
	11	How often is your child super aware of different sounds?	1203	92	3.2	0.95
	12	How often is your child a picky eater?	1168	127	2.2	0.95
	13	Would you like to talk with someone about your childs coordination?	1237	58	1.2	0.54

Subscales

				Standard	Cronbach's
		n	Mean	Deviation	Alpha
fm	Fine Motor	1266	3.1	0.75	0.83
gm	Gross Motor	1264	3.5	0.61	0.83

PACE (2002-2003) School Skills Statistics for Kindergartners

Item Level

		itelli Level				
Item						
in	Item					Standard
Subscale	#	Description	n	Missing	Mean	Deviation
I	1	Listen to books being read?	1258	37	3.3	0.87
I	2	Listen to and follow directions?	1799	64	3.1	0.85
pl	3	Read his/her own written name?	1231	64	2.6	1.18
pl	4	Read numbers up to 12?	1240	55	2.6	1.15
pl	5	Identify written alphabet letters by self?	1233	62	2.4	1.13
pl	6	Read simple written words?	1768	95	1.6	0.96
pl	7	Count 20 things?	1225	70	2.7	1.13
pl	8	Write the numbers from 1 to 12?	1772	91	1.8	1.02
pl	9	Write his or her first and last name by self?	1780	83	2.2	1.16
I	10	Repeat sentences when asked to?	1234	61	2.9	1.00
I	11	Retell a story that was just read aloud?	1225	70	2.6	1.05
I	12	Know the words to at least one song or rhyme by heart?	1230	65	3.2	0.94
I	13	Remember things?	1784	79	3.4	0.79
I	14	Learn new things?	1695	168	3.4	0.78
	15	Does your child need extra help to learn new things?	1743	120	1.7	0.74

Subscales

				Standard	Cronbach's
		n	Mean	Deviation	Alpha
Ι	Learning	1828	3.2	0.69	0.89
pl	Pre-Literacy	1827	2.2	0.87	0.89

PACE (2002-2003) Social, Emotional, and Behavioral Functioning Statistics for Kindergartners

Item Level

		item Level				
Item						
in	Item					Standard
Subscale	#	Description	n	Missing	Mean	Deviation
pps	1	Makes friends easily	1244	51	3.4	0.60
sa	2	Gets nervous easily	1231	64	2.3	0.84
nps	3	Fights with other children	1220	75	1.9	0.80
to	4	Completes things he/she starts	1224	71	3.0	0.66
pps	5	Has many friends	1224	71	3.2	0.72
sa	6	Is withdrawn	1191	104	1.7	0.78
nps	7	Hurts others	1230	65	1.5	0.67
to	8	Has a short attention span	1204	91	3.0	0.91
pps	9	Talks easily with other children	1218	77	3.3	0.75
sa	10	Worries alot	1219	76	1.8	0.76
nps	11	Bothers other children	1213	82	1.7	0.75
to	12	Concentrates well	1209	86	3.0	0.74
	13	Is irritable, touchy or prickly	1193	102	1.9	0.82
	14	Is an easy child	1204	91	3.1	0.73
	15	Has a very high activity level	1170	125	3.1	0.83
	16	Does your child need extra help with his/her behavior?	1771	92	1.4	0.64

Subscales

	Gubeduice				
				Standard	Cronbach's
		n	Mean	Deviation	Alpha
nps	Negative Peer Social	1254	1.7	0.60	0.73
to	Task Oriented	1255	3.0	0.59	0.63
pps	Positive Peer Social	1256	3.3	0.55	0.69
sa	Shy Anxious	1254	2.0	0.62	0.61

PACE (2002-2003) Life Experiences Statistics for Kindergartners

Item Level

	itelli Level				
Item					Standard
#	Description	n	Missing	Mean	Deviation
1	Gone to a library?	1799	64	3.1	1.13
2	Gone on an outing (e.g., zoo, museum, etc.)?	1795	68	3.7	0.73
3	Moved from one home to another in the last 6 months?	1754	109	1.6	0.86
4	Moved from one home to another during his/her life?	1744	119	2.5	1.11
5	Seen a close family member or friend very sick?	1756	107	1.7	0.94
6	Experienced the death of a close family member or friend?	1774	89	1.5	0.83
7	Experienced parents separation or divorce?	1790	73	1.5	0.75
8	Experienced a parent who is depressed?	1232	63	1.4	0.72
9	Witnessed violence in the neighborhood?	1245	50	1.3	0.75
10	Witnessed violence at home?	1234	61	1.2	0.63
11	Been away from parent(s) for more than a month?	1780	83	1.3	0.75
12	Seen a family member with a drug or alcohol problem?	1776	87	1.2	0.65
13	A mother who regularly spends time with him/her?	1770	93	3.8	0.76
14	A father who regularly spends time with him/her?	1716	147	2.9	1.25
15	A warm close relationship with any adult(s)?	1738	125	3.5	0.81
16	How often does an adult read to this child?	1719	144	3.3	0.74
17	How much TV does your child watch each day?	1743	120	2.5	0.83
18	What time does (will) your child go to bed on school nights?	1781	82	2.0	0.54
19	How often does your child eat breakfast?	1247	48	3.7	0.62
20	Does your child have enough food to eat?	1240	55	4.0	0.27

^{*}No Subscale for Life Experiences