

***A SURVEY OF TRANSPORTATION SERVICES IN  
SELECTED NORTH CAROLINA PUBLIC SCHOOLS***

***Center for Urban Affairs and Community Services  
North Carolina State University***

# ***A SURVEY OF TRANSPORTATION SERVICES IN SELECTED NORTH CAROLINA PUBLIC SCHOOLS***

***June 2009***

***Prepared by:***

***Dr. Yevonne S. Brannon, Director  
Mr. Rick Shields, Social Research Manager  
Mr. Arthur G. Anthony, Social Research Specialist  
Ms. Wanda Simmons, Social Research Specialist  
Center for Urban Affairs and Community Services  
North Carolina State University***

### ***CENTER FOR URBAN AFFAIRS AND COMMUNITY SERVICES***

The Center for Urban Affairs and Community Services (CUACS) was established in 1966 on the campus of North Carolina State University in Raleigh as a part of the Urban Studies Program of the University of North Carolina. The Center's goal is to serve as a focal point for bringing the research, educational, and extension resources of N.C. State University to bear upon community problems associated with urbanization in North Carolina.

The Center for Urban Affairs and Community Services can provide research assistance in the broad areas of social sciences, human services, policy analysis, evaluation, and research. CUACS makes use of the full range of knowledge and expertise of the University community as a whole and can carry out research projects or provide technical assistance in any aspect of project management design or operation. These areas of expertise include all phases of project work.

### ***ADDITIONAL INFORMATION***

For further information concerning the Center for Urban Affairs and Community Services, please contact:

Dr. Yevonne S. Brannon, Director  
Center for Urban Affairs and Community Services  
North Carolina State University  
Campus Box 7401  
Raleigh, North Carolina 27695-7401  
Telephone: (919) 515-3211 Fax: (919) 515-3642  
E-Mail: [yevonne\\_brannon@ncsu.edu](mailto:yevonne_brannon@ncsu.edu)  
Website: <http://www.cuacs.ncsu.edu>

# ***PREFACE***

The Center for Urban Affairs and Community Services (CUACS) produced this report in association with the N.C. Department of Public Instruction (NCDPI), and in consultation with the Institute for Transportation Research and Education at North Carolina State University (NCSU). This report provides information derived from a Spring 2009 study of public school transportation in six school districts in North Carolina.

This report would not have been possible without those individuals who provided assistance and information for this study. CUACS gratefully acknowledges help received from Mr. Derek Graham with NCDPI, Mr. Jeff Tsai with the Institute for Transportation Research and Education at NCSU, and Dr. Joe Hummer, Department of Civil, Construction and Environmental Engineering at NCSU. CUACS also acknowledges help received from parents of public school children and public school staff in the following school districts: Beaufort, Winston-Salem/Forsyth, Guilford, Rowan-Salisbury, Stokes, and Watauga.

# ***TABLE OF CONTENTS***

## **Page**

Preface .....	iii
Project Overview .....	1
Sample Information and Survey Statistics .....	2
General Information – Students in Survey .....	3
Percent of Respondents By Public School District, 2009.....	4
Morning Transportation Mode Distribution, 2009 .....	5
Morning Transportation Mode Comparison By Grade Level (Detailed), 2009 .....	6
Morning Transportation Mode Comparison By Grade Level (Summary), 2009 .....	7
Afternoon Transportation Mode Distribution, 2009 .....	8
Afternoon Transportation Mode Comparison By Grade Level (Detailed), 2009.....	9
Afternoon Transportation Mode Comparison By Grade Level (Summary), 2009 .....	10
General Transportation Mode Split Results .....	11
Why Students Do Not Ride School Bus (Top 10), 2009 .....	12
Why Students Do Not Ride School Bus (Top 5) By Grade Level, 2009.....	13
Parents’ Perception of Bus Arrival Time (BAT), 2009 .....	14
Parents’ Perception of Bus Arrival Time (BAT) By Grade Level, 2009 .....	15
Child Lives 1.5 Miles or More From School, 2009 .....	16
Way Child Most Likely Would Get To or From School If Lived Within 1.5 Miles of the School and No School Bus Transportation Was Provided, 2009.....	17

# ***TABLE OF CONTENTS (continued)***

	<b>Page</b>
Distance the School Would Have to Require the Child to Walk To or From the Bus Stop Before Parent Would Stop Child From Riding the Bus To or From School, 2009 .....	18
Maximum Amount of Time Parent Would Allow Child to Ride the Bus To or From the School Before Parent Would Stop Child From Riding the Bus, 2009 .....	19
How Child Would Get To and From the School If Parent Would Stop Child From Riding the Bus, 2009.....	20
Child's Bus Driver Known By Name, 2009 .....	21
Confidence in Child's Bus Driver's Training and Ability, 2009 .....	22
Parents' Perception of Safety of Transport Mode, 2009 .....	23
Major Conclusions.....	24
Appendix .....	25

## ***PROJECT OVERVIEW***

The purpose of this research is to investigate the impact of changes in transportation services provided by public schools on decisions made by parents for transporting school-age children. A random survey of parents with children in six, selected school districts was conducted to gather information about the reasons for using and not using the school bus to transport children to and from school. The survey was conducted during the spring of 2009. Specifically, a survey of parents of school-age children was conducted to: ascertain parents' reasons for not using the school bus to transport their children to school; and identify what impact changes in transportation services are having on the choices that parents make regarding school transportation.

National studies show that children are at greater risk traveling to and from school by car, bike, carpool, and on foot than in school buses. Despite the apparent safety of the school bus, many parents continue to choose other means of transporting their children to school. In addition, public school systems in North Carolina and elsewhere are having to change or modify transportation services to deal with the significant increase in the cost of fuel for vehicles used to transport children. These changes are believed to be impacting decisions parents are making regarding choices for transporting their children to school. The survey information collected in this study will be used to provide accurate information to parents and students on safety issues associated with the school bus and other forms of transportation to and from school. Furthermore, the results of this study potentially could have national significance since this is an issue that affects transportation in school districts nationwide.

# ***SAMPLE INFORMATION AND SURVEY STATISTICS***

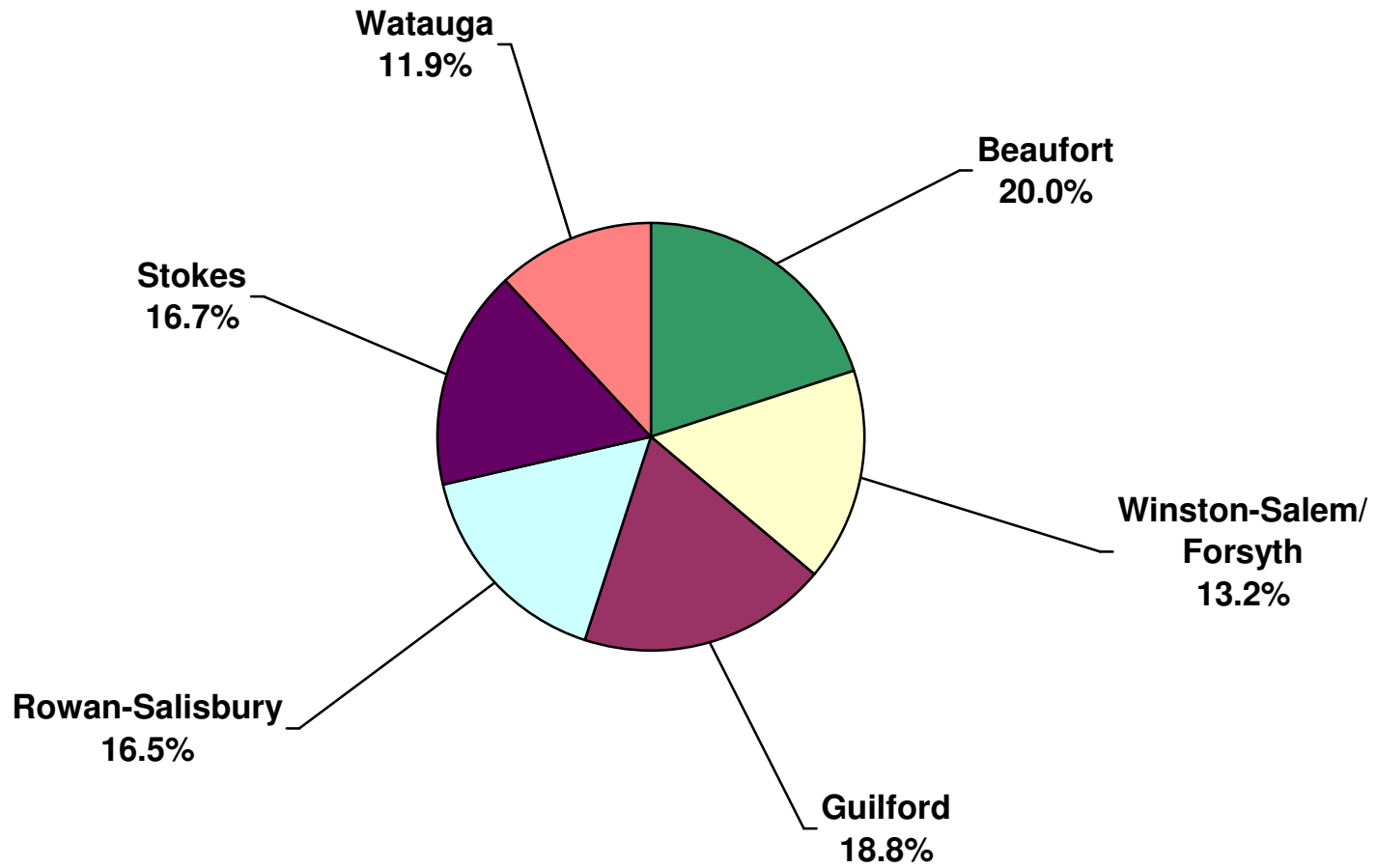
- Surveys were sent to parents of 7,200 public school students.
- Surveys were sent to parents of children at 34 selected elementary, middle, and high schools in 6 selected public school districts.
- Parents were asked to complete the survey for up to 4 of their oldest children currently enrolled in public schools.
- 1,665 surveys were returned (23%).
- Total Number of Surveys Returned – Beaufort County School District = 333
- Total Number of Surveys Returned – Winston-Salem/Forsyth County School District = 268
- Total Number of Surveys Returned – Guilford County School District = 313
- Total Number of Surveys Returned – Rowan-Salisbury School District = 275
- Total Number of Surveys Returned – Stokes County School District = 278
- Total Number of Surveys Returned –Watauga County School District = 198
- 3,032 Records in Database (1 record = 1 child)



## ***GENERAL INFORMATION – STUDENTS IN SURVEY***

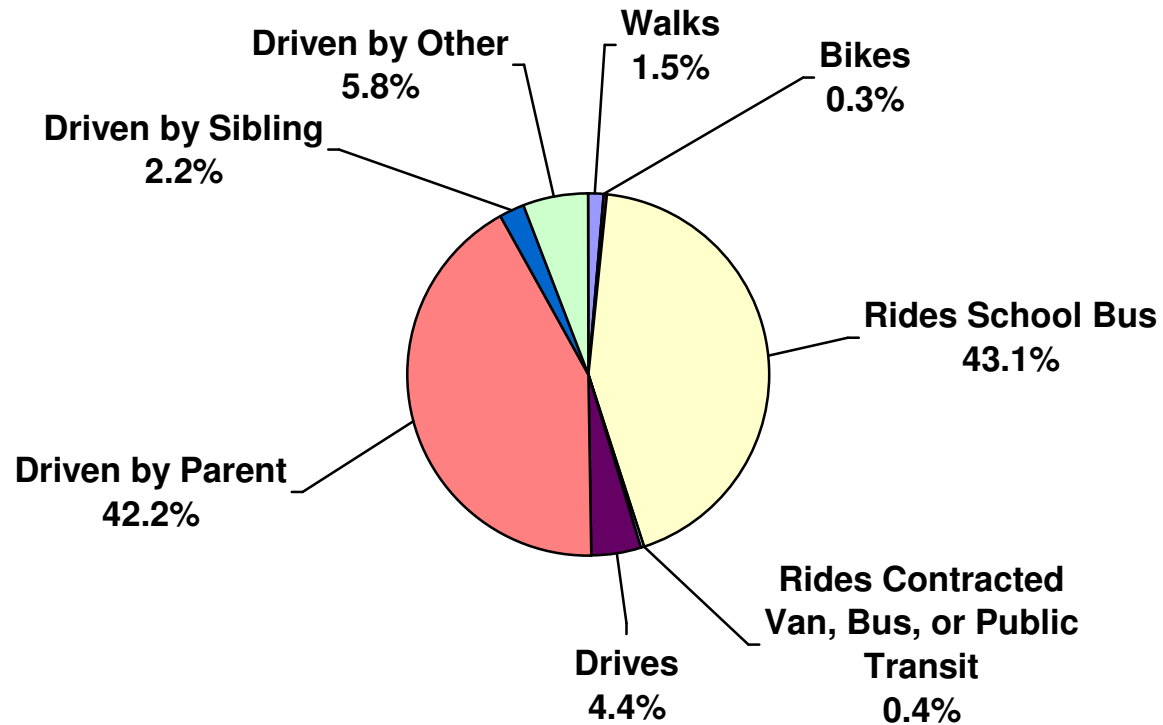
- Total Number of Students – Beaufort County School District = 598
- Total Number of Students– Winston-Salem/Forsyth County School District = 488
- Total Number of Students– Guilford County School District = 587
- Total Number of Students– Rowan-Salisbury School District = 494
- Total Number of Students– Stokes County School District = 519
- Total Number of Students– Watauga County School District = 346
  
- Percent of Students - Female = 49.0
- Percent of Students - Male = 48.6
- Percent of Students– Gender Missing = 2.4
- Percent of Students in Elementary School Grades = 38.7
- Percent of Students in Middle School Grades = 25.4
- Percent of Students in High School Grades = 15.5
- Percent of Students with Missing Grade Level = 20.5
- Percent of Students who live in an area where school bus service is provided for the school that he/she attends = 93.8

## ***Percent of Respondents by Public School District, 2009***



n = 1,665

## ***Morning Transportation Mode Distribution, 2009***



n = 3,032

Note: A child could have more than one regular mode of transportation to school.

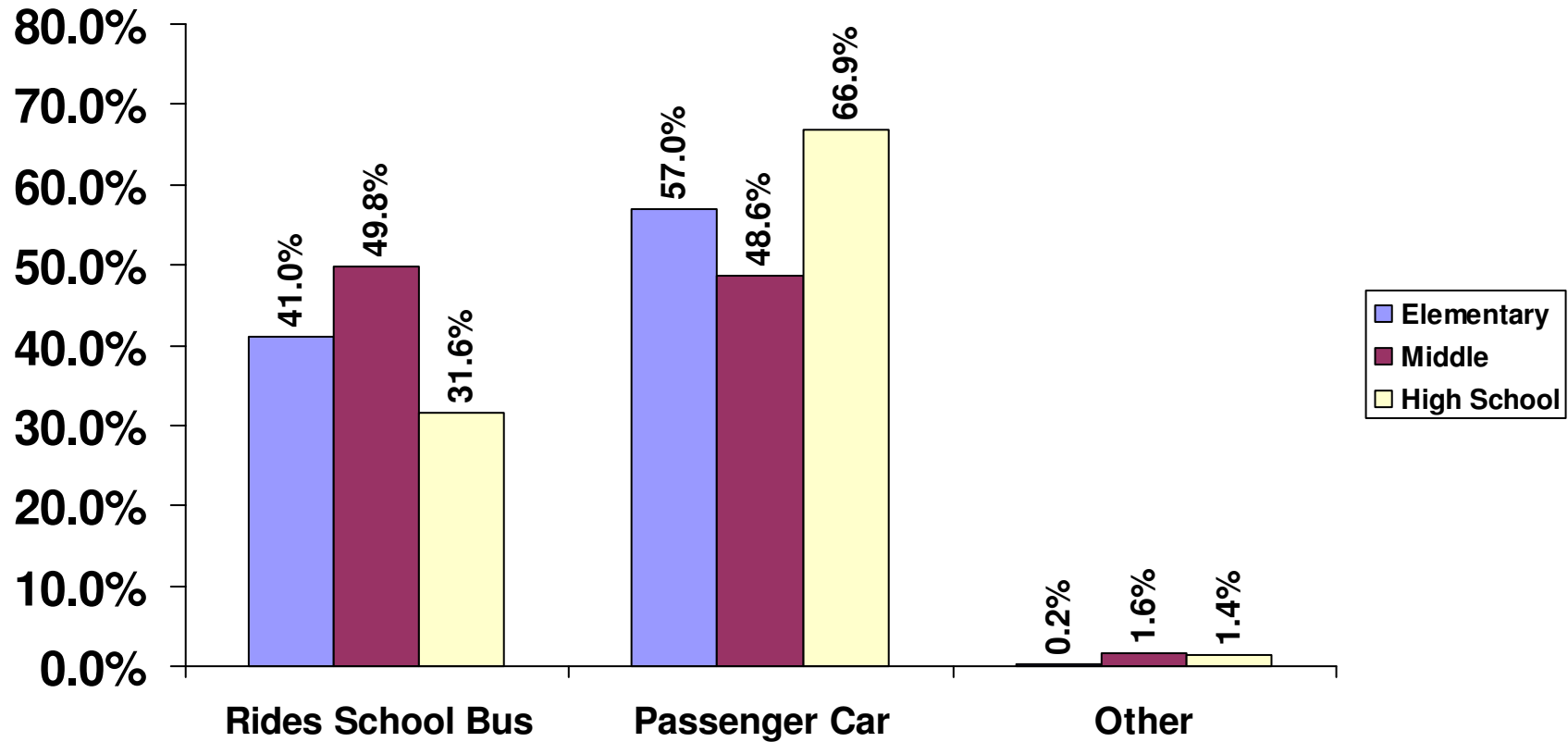
***Morning Transportation Mode Comparison by Grade Level  
(Detailed), 2009***

Transportation Mode	Percent of Total Elementary	Percent of Total Middle	Percent of Total High	Percent of Total Grade Missing
Walks	1.5	1.2	1.2	2.1
Bikes	0.2	0.2	0.2	0.6
Rides School Bus	41.0	49.8	31.6	47.6
Rides Contracted Van, Bus, or Public Transit	0.3	0.2	0.0	1.3
Drives	0.0	0.0	22.5	4.4
Driven by Parent	51.0	39.4	31.1	37.7
Driven by Sibling	0.5	3.1	4.7	2.4
Driven by Other	5.5	6.1	8.6	4.0
Total	100.0	100.0	100.0	100.0
Total in Passenger Cars	57.0	48.6	66.9	48.5

**n = 3,032**

**Note: A child could have more than one regular mode of transportation to school.**

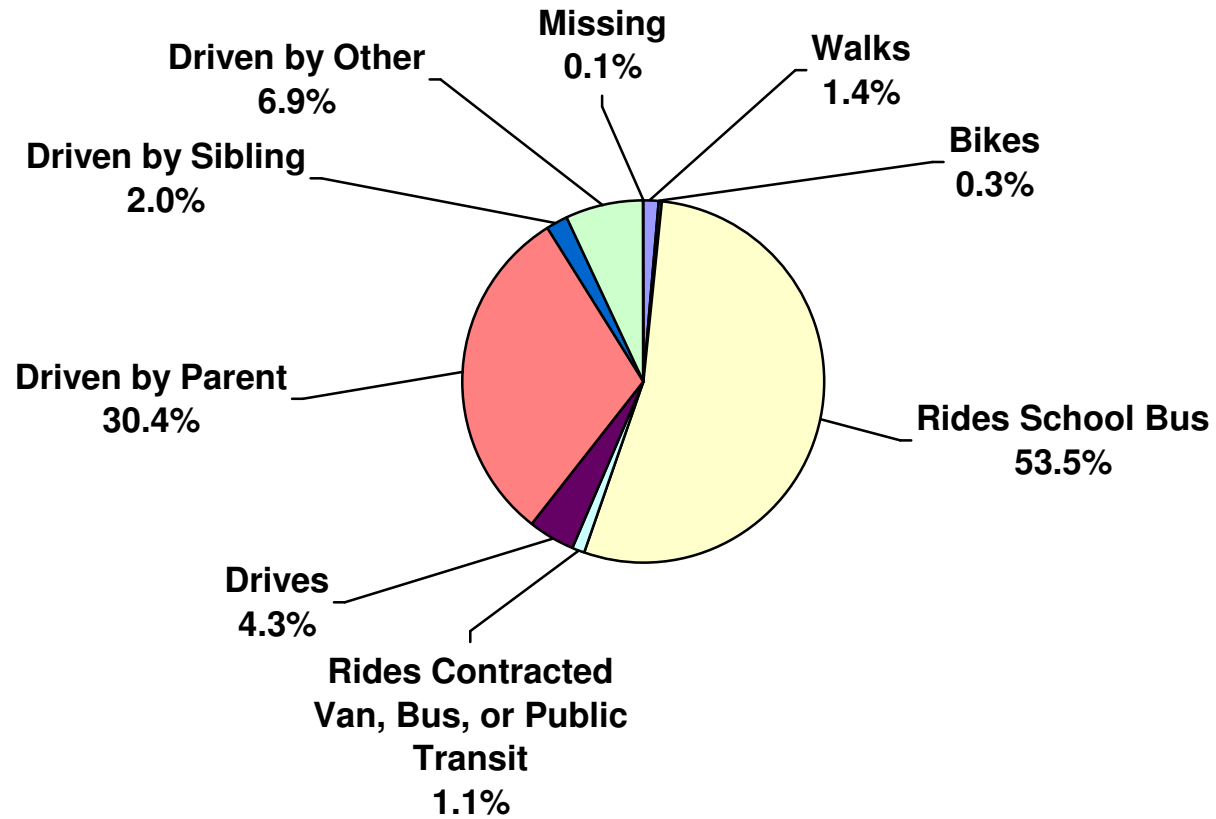
## ***Morning Transportation Mode Comparison by Grade Level (Summary), 2009***



n = 3,032

Note: A child could have more than one regular mode of transportation to school.

## ***Afternoon Transportation Mode Distribution, 2009***



n = 3,032

Note: A child could have more than one regular mode of transportation from school.

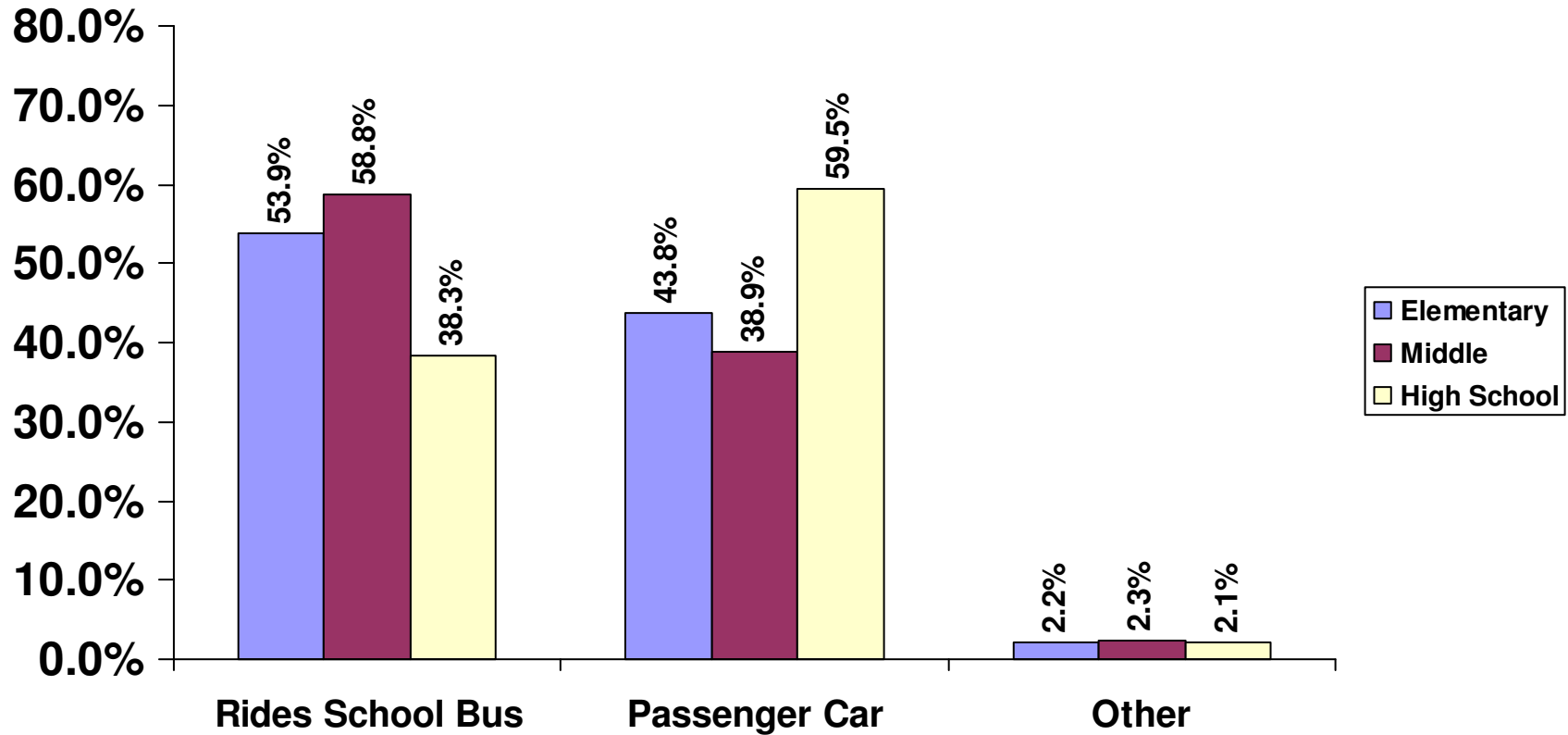
## ***Afternoon Transportation Mode Comparison by Grade Level (Detailed), 2009***

Transportation Mode	Percent of Total Elementary	Percent of Total Middle	Percent of Total High	Percent of Total Grade Missing
Walks	1.1	1.0	1.8	2.2
Bikes	0.1	0.3	0.0	0.7
Rides School Bus	53.9	58.8	38.3	58.1
Rides Contracted Van, Bus, or Public Transit	0.9	0.9	0.3	2.4
Drives	0.0	0.0	21.3	4.0
Driven by Parent	35.9	29.5	25.4	25.3
Driven by Sibling	0.7	2.4	4.7	1.9
Driven by Other	7.2	7.0	8.1	5.2
Missing	0.1	0.1	0.0	0.1
Total	100.0	100.0	100.0	100.0
Total in Passenger Cars	43.8	38.9	59.5	36.4

**n = 3,032**

**Note: A child could have more than one regular mode of transportation from school.**

## ***Afternoon Transportation Mode Comparison by Grade Level (Summary), 2009***



n = 3,032

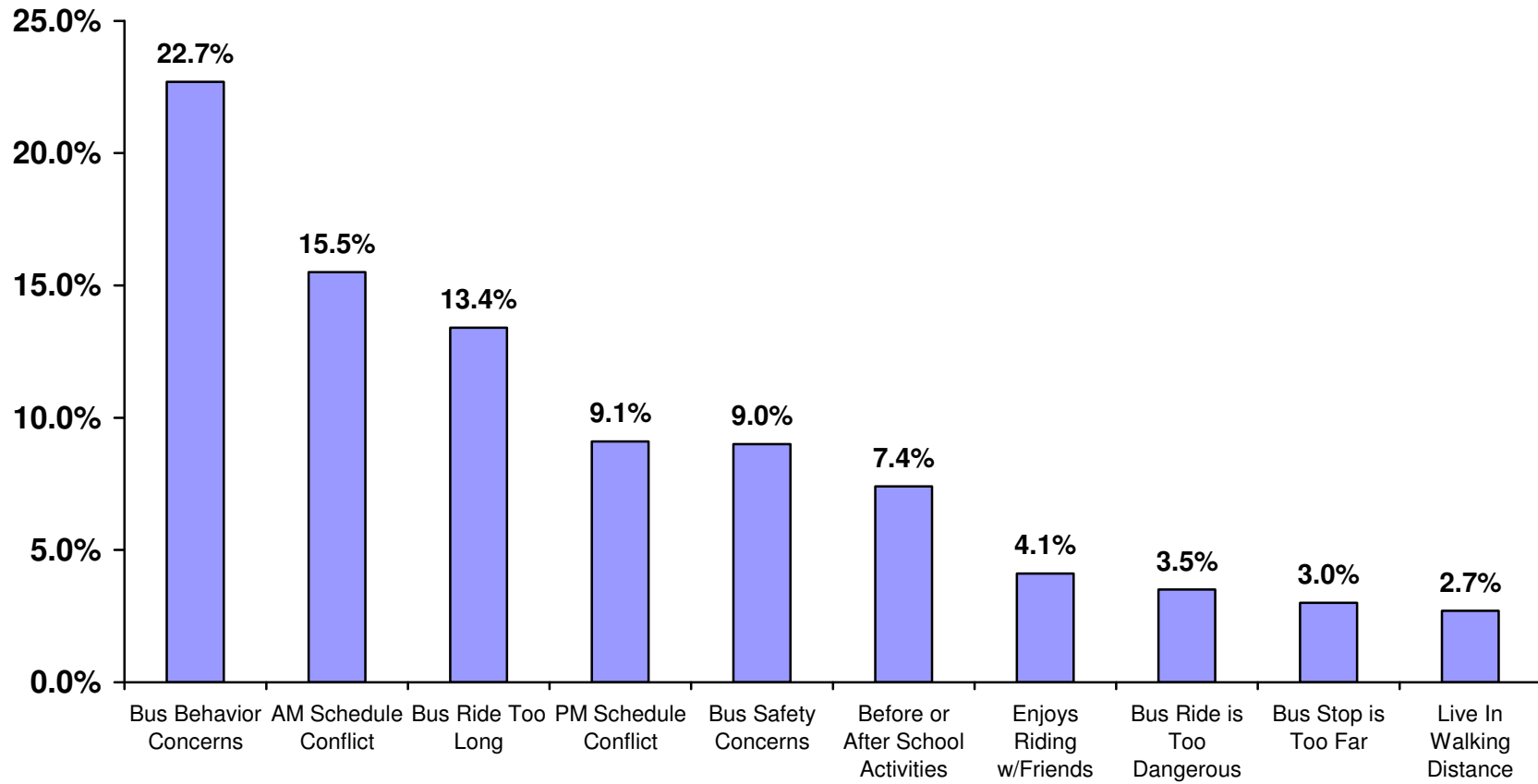
Note: A child could have more than one regular mode of transportation from school.



## ***General Transportation Mode Split Results***

- **Fewer students are driven by a parent in the afternoon than morning (30.4% versus 42.2%)**
- **More students ride the bus in the afternoon than morning (53.5% versus 43.1%)**
- **More students ride in passenger cars in the morning than afternoon (54.6% versus 43.6%)**

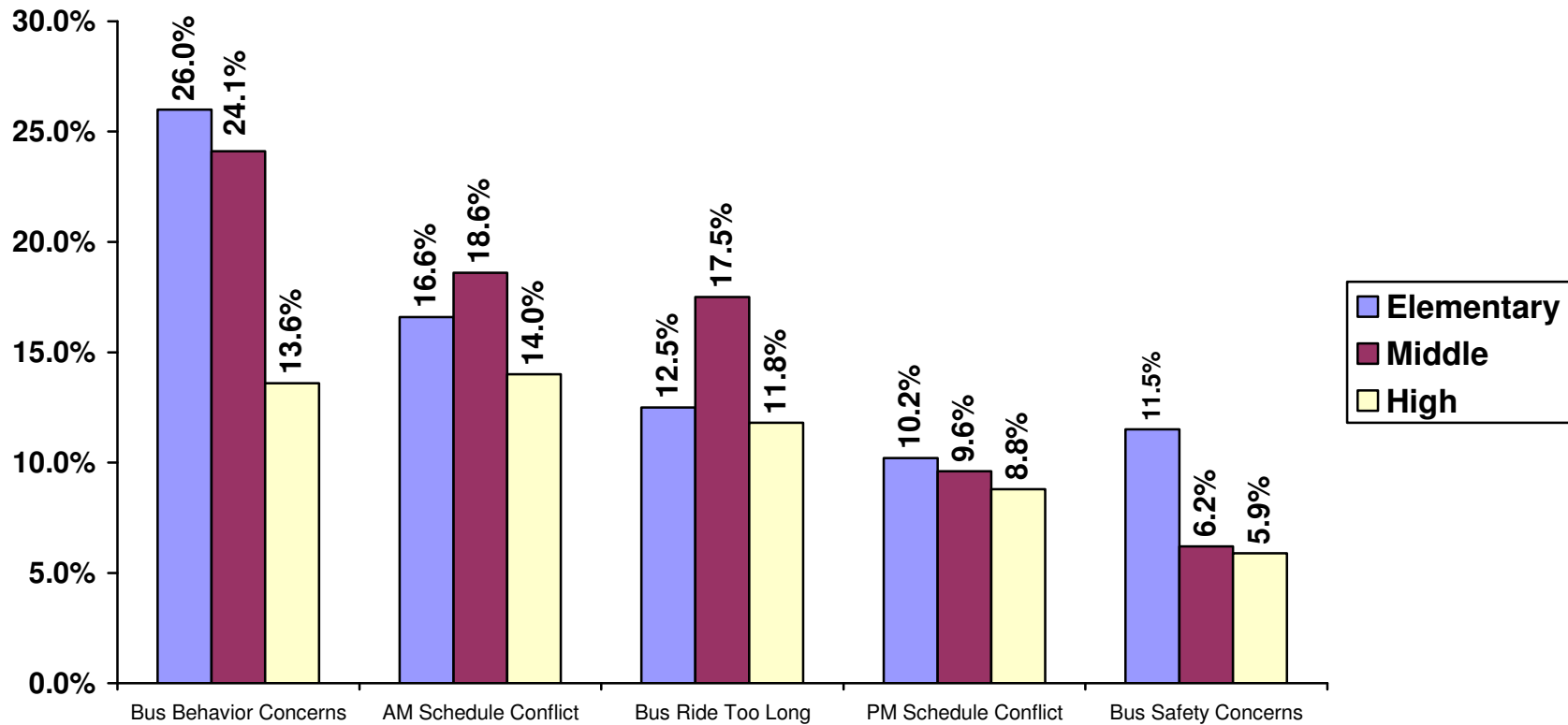
## ***Why Students Do Not Ride School Bus (Top 10), 2009***



**n = 991**

**Note: More than one reason could be identified per child.**

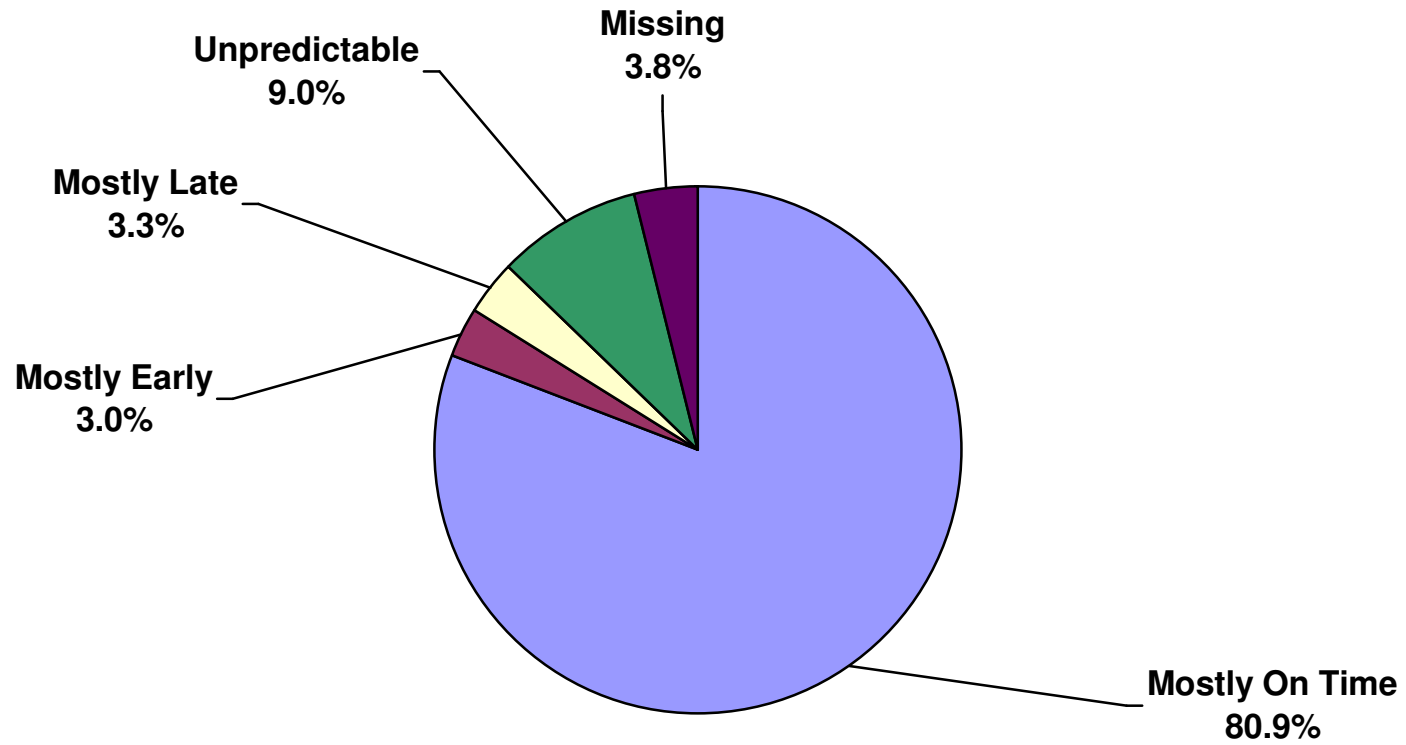
## Why Students Do Not Ride School Bus (Top 5) by Grade Level, 2009



n = 991

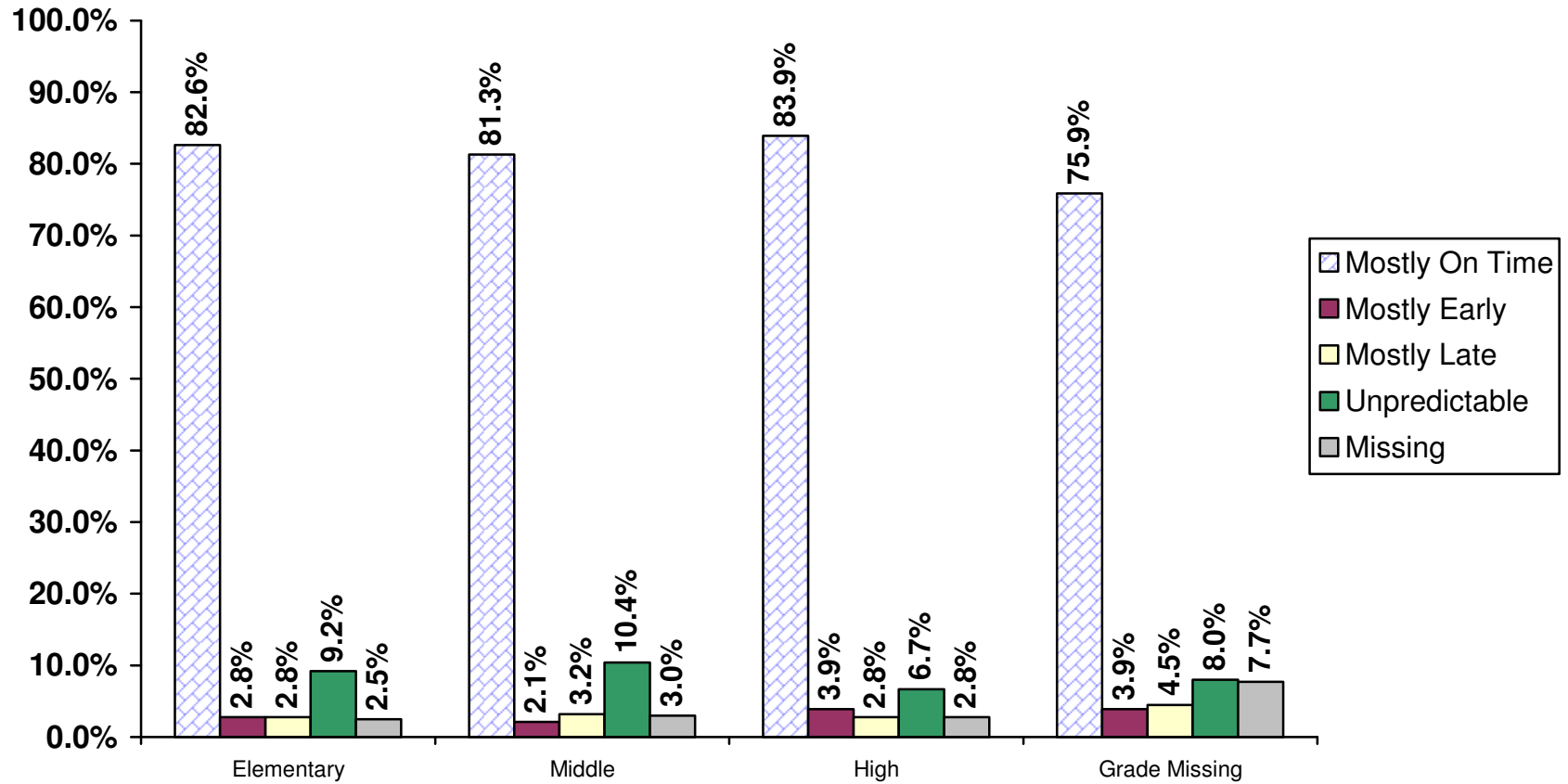
Note: More than one reason could be identified per child.

## ***Parents' Perception of Bus Arrival Time (BAT), 2009***



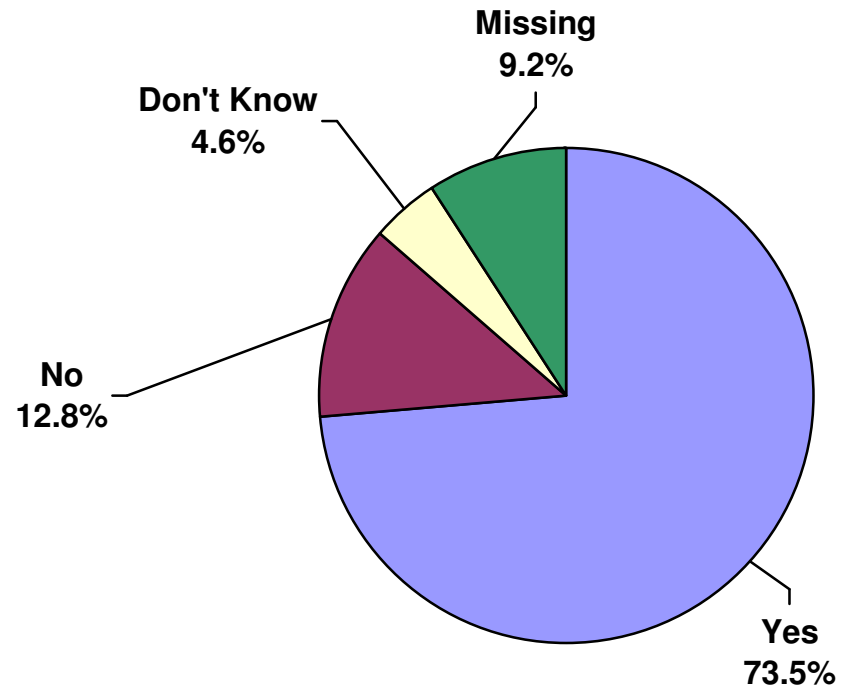
**n = 1,551**

## Parents' Perception of Bus Arrival Time (BAT) by Grade Level, 2009



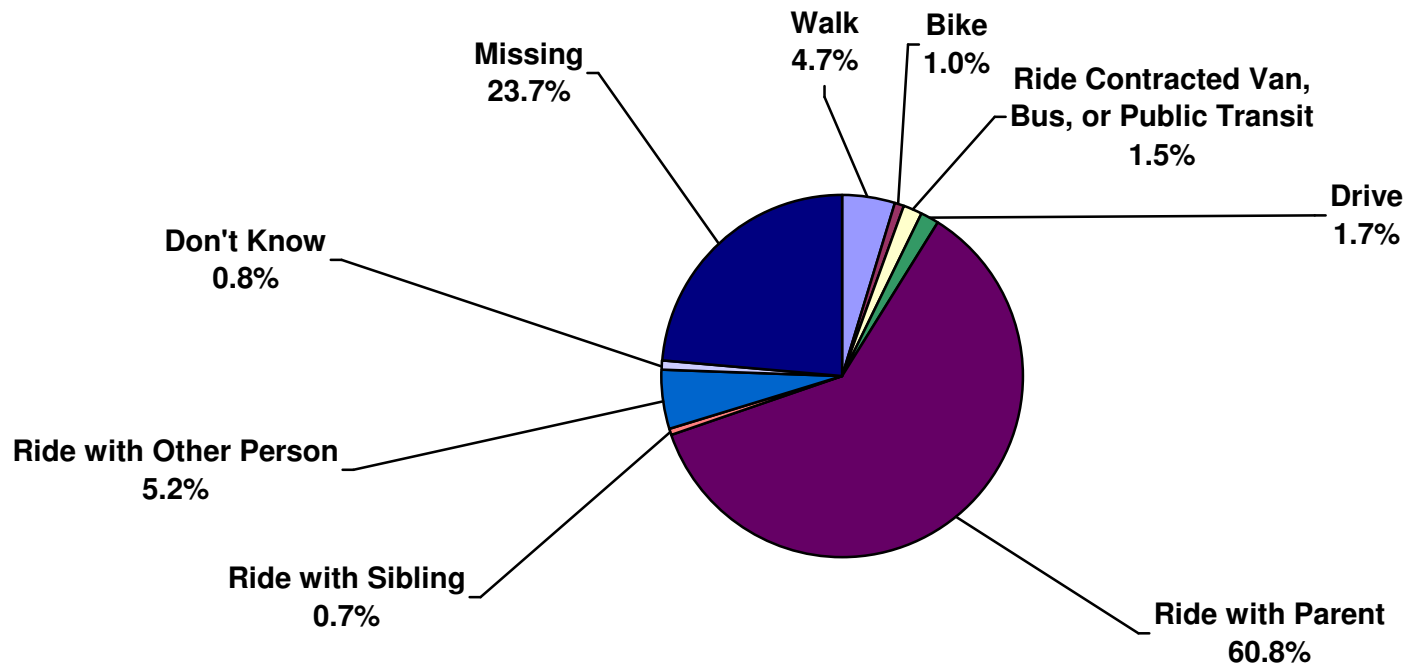
n = 1,551

## ***Child Lives 1.5 Miles or More From School, 2009***



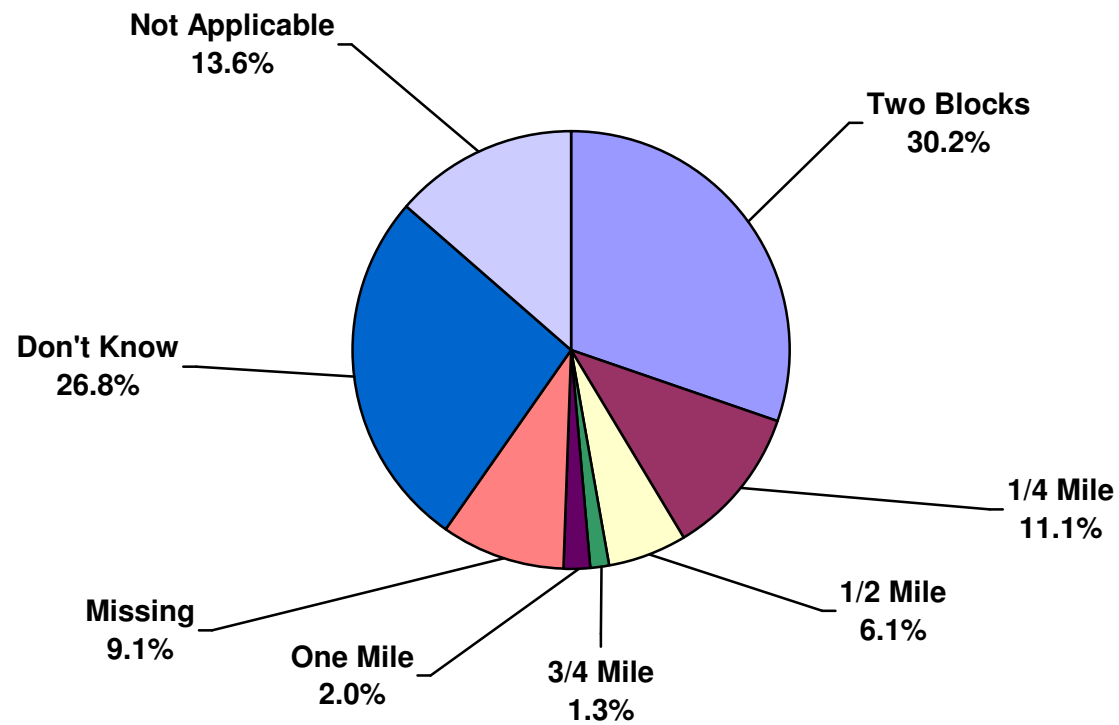
**n = 1,200**

**Way Child Most Likely Would Get to or From School If Lived Within 1.5 Miles of the School and No School Bus Transportation Was Provided, 2009**



**n = 1,047**

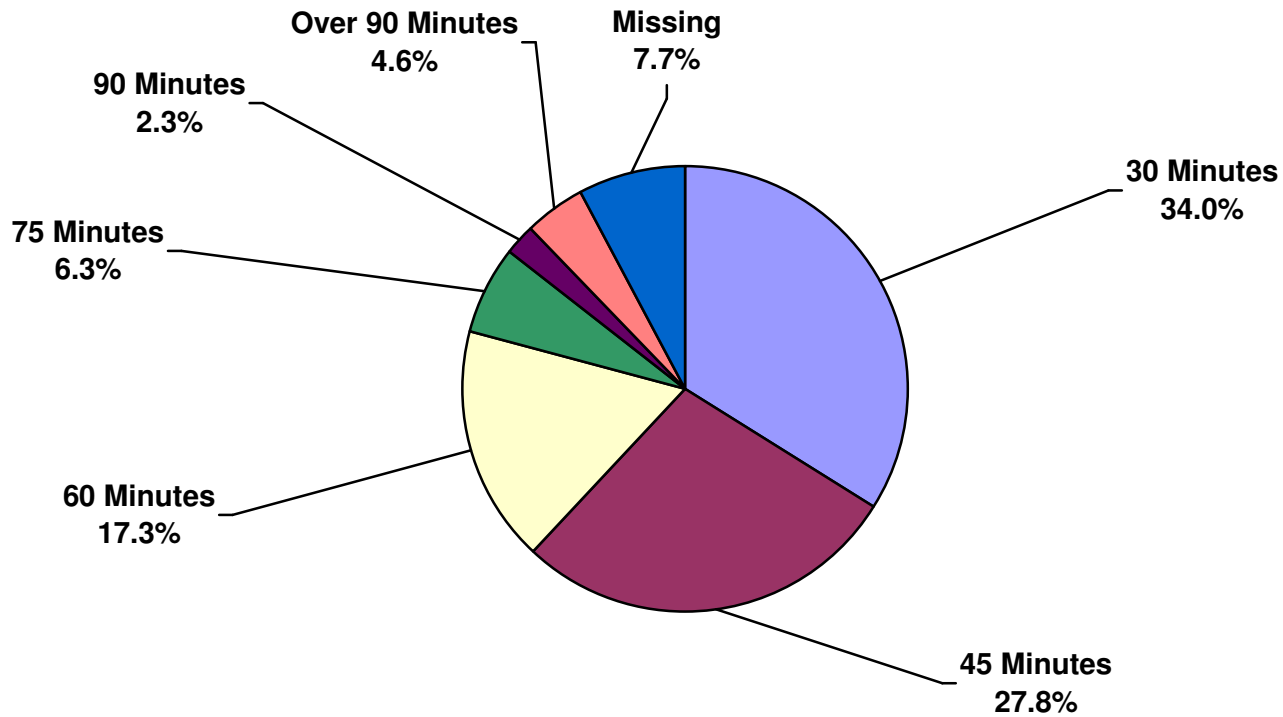
***Distance the School Would Have to Require the Child to Walk To or From the Bus Stop Before Parent Would Stop Child From Riding the Bus To or From School, 2009***



**n = 1,200**

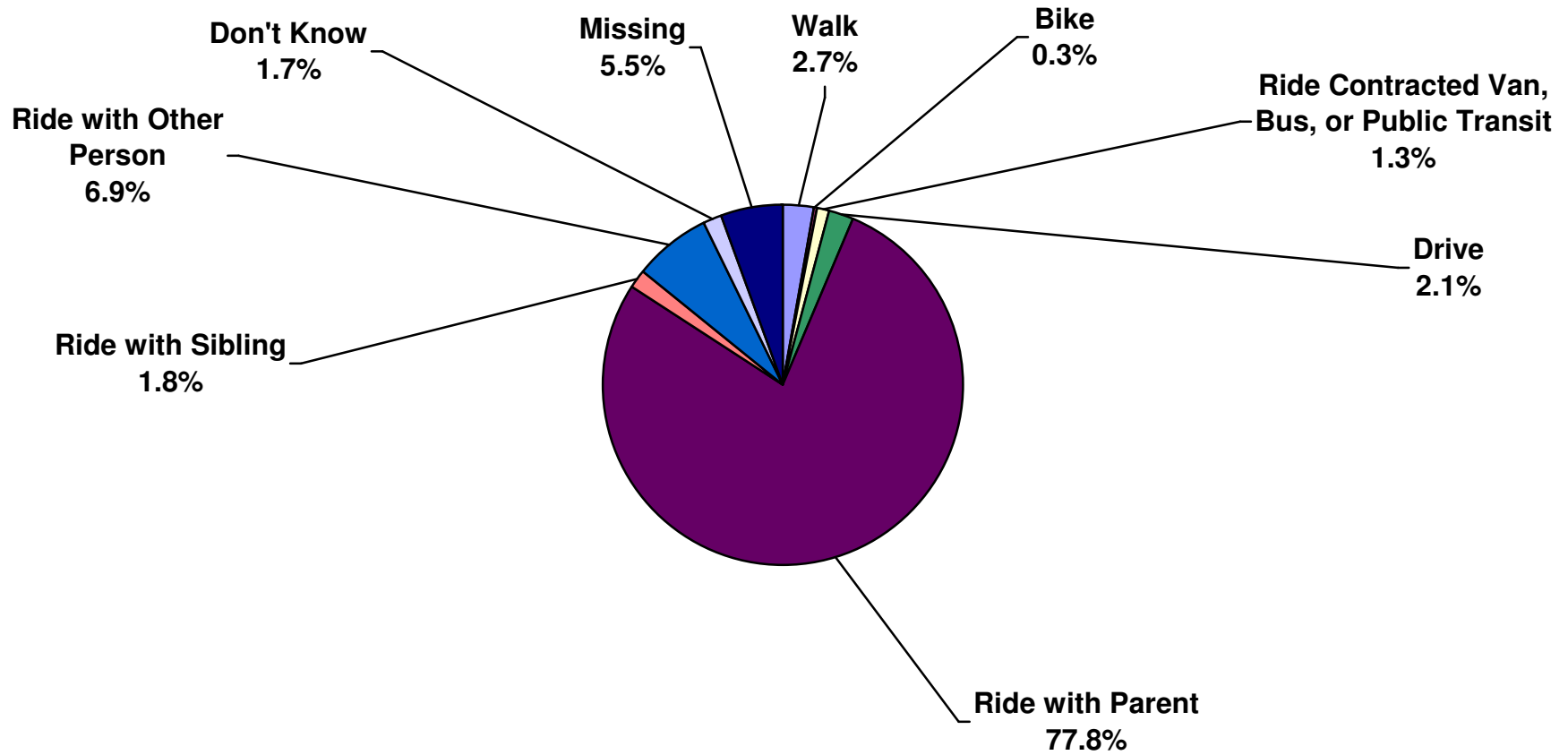


***Maximum Amount of Time Parent Would Allow Child to Ride the Bus To or From the School Before Parent Would Stop Child From Riding the Bus, 2009***



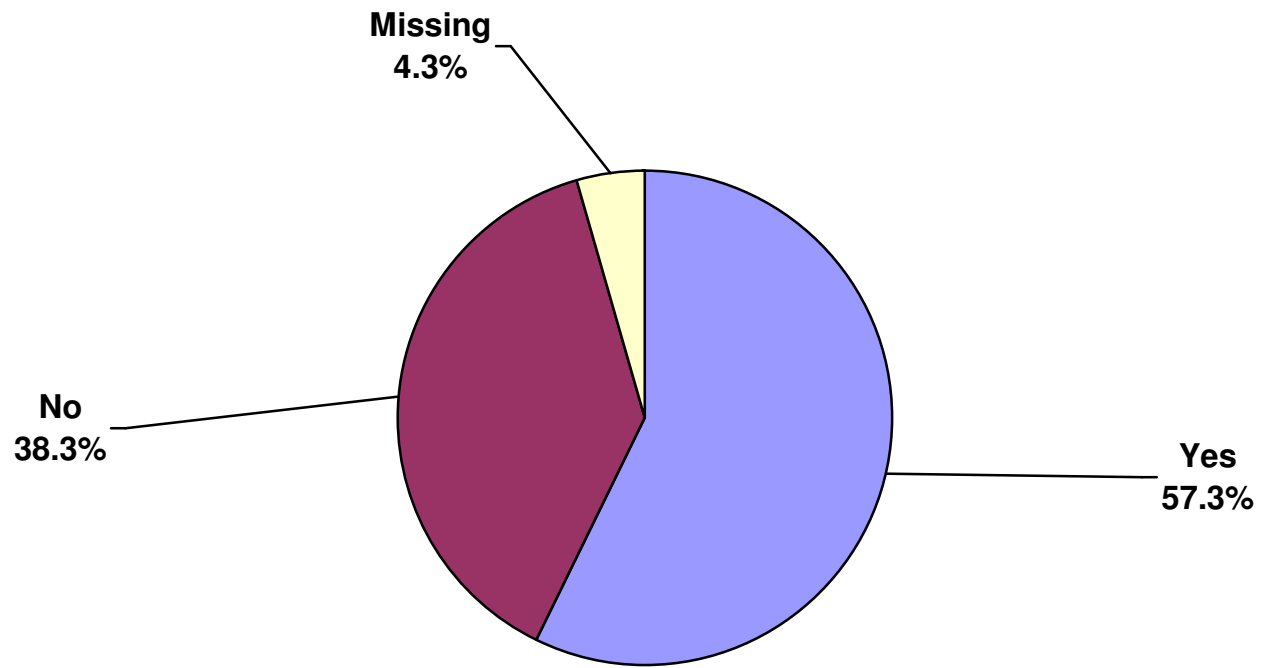
**n = 1,200**

# ***How Child Would Get To and From the School If Parent Would Stop Child From Riding the Bus, 2009***



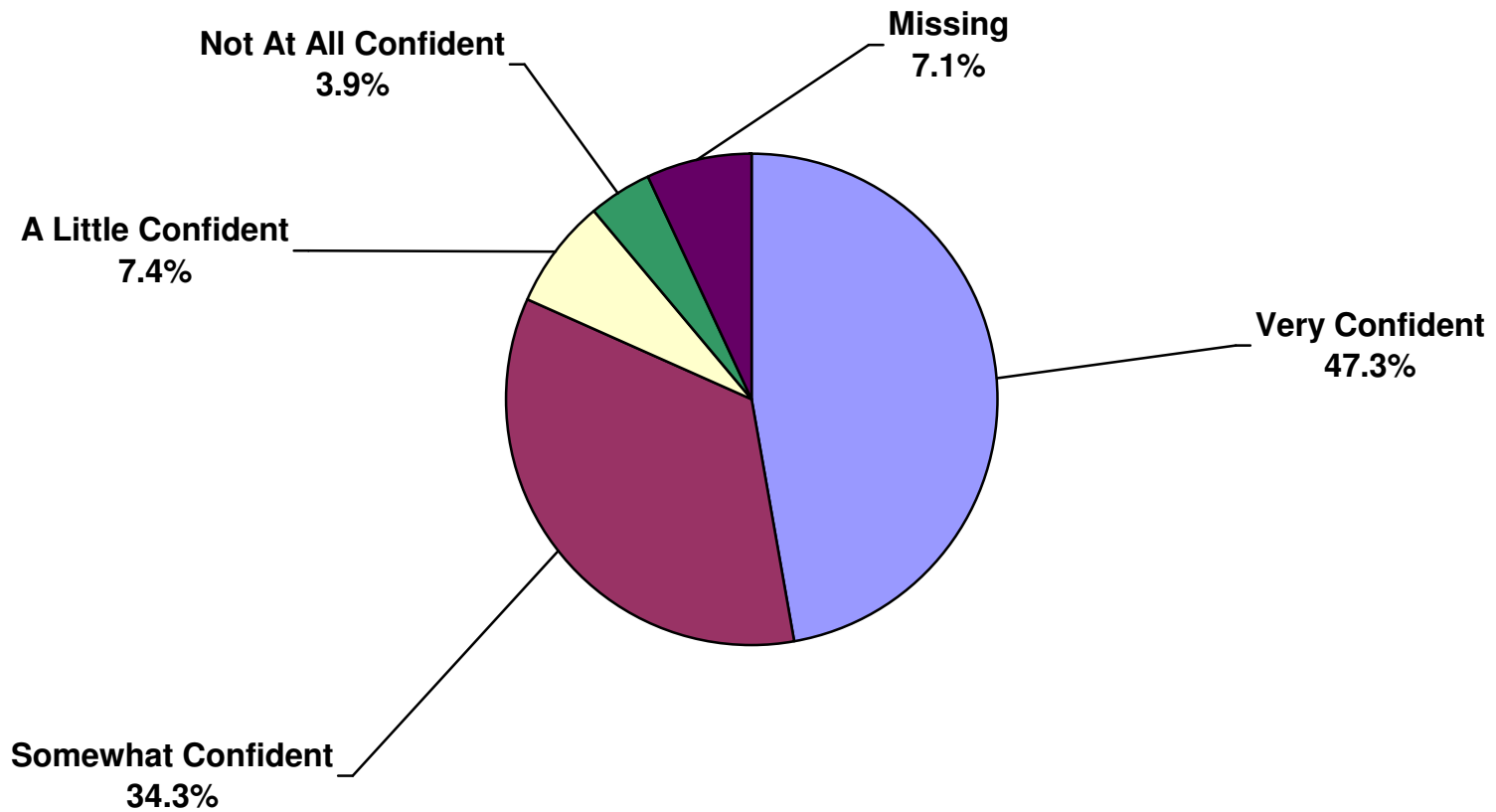
**n = 1,200**

## *Child's Bus Driver Known By Name, 2009*



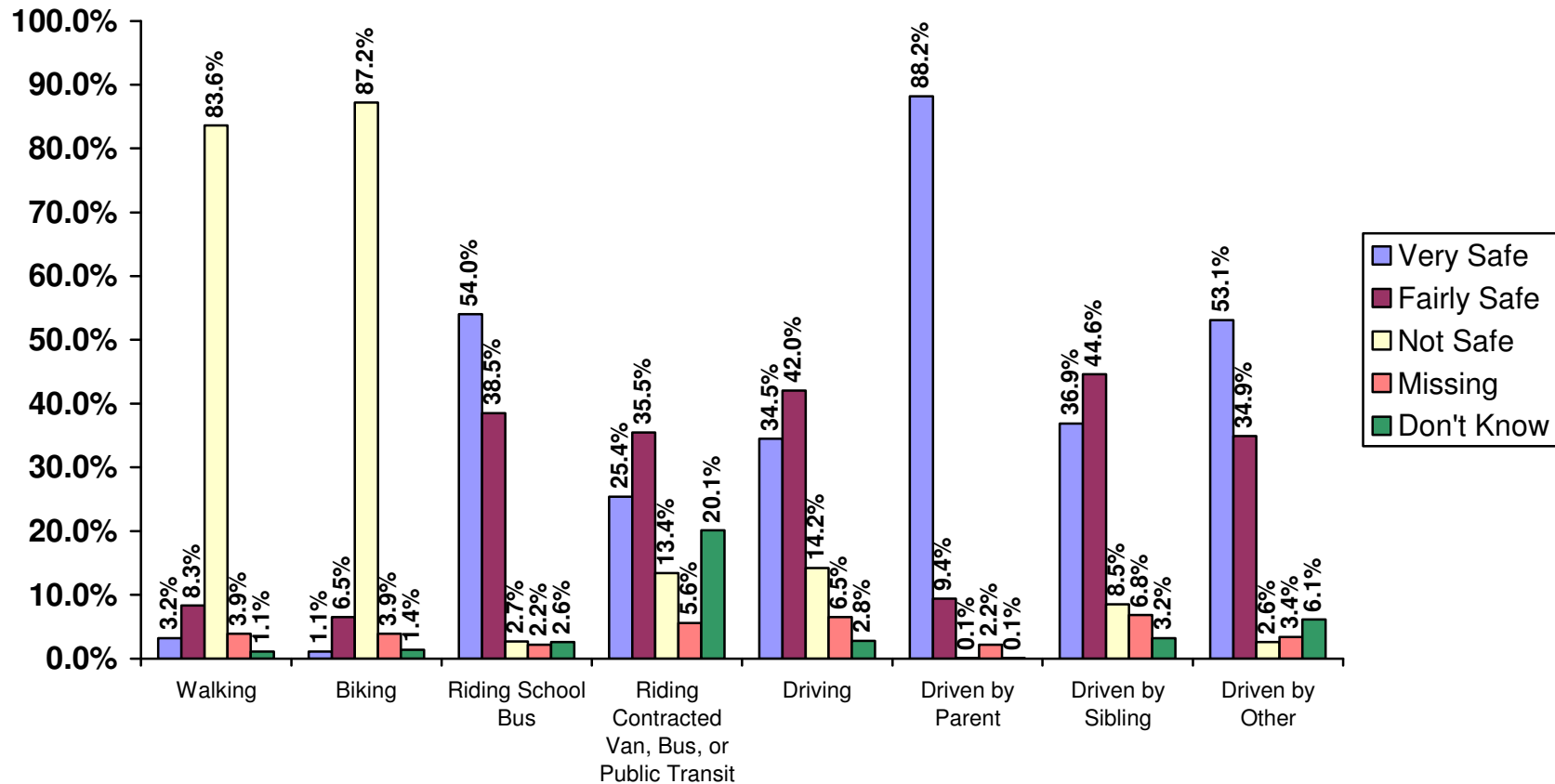
**n = 1,200**

## ***Confidence in Child's Bus Driver's Training and Ability, 2009***



**n = 1,200**

## Parents' Perception of Safety of Transport Mode, 2009



n = 1,665

Note: One response allowed per transport mode.

## ***MAJOR CONCLUSIONS***

- Public school students in this survey mostly ride school buses (43.1%) or are driven by parents (42.2%) to school in the morning.
- Fewer students are driven by a parent in the afternoon than morning (30.4% versus 42.2%).
- More students ride the bus in the afternoon than morning (53.5% versus 43.1%).
- Most students don't ride school buses because of bus behavior concerns (22.7%).
- Parents perceive bus arrival in the morning as mostly on time (80.9%).
- Most students in this survey live 1.5 miles or more from school (73.5%).
- Most students would walk to school (46.9%) or ride with a parent (33.9%) if they lived within 1.5 miles of school and no school bus transportation was provided.
- Most parents know their child's bus driver by name (57.3%).
- Parents perceive riding the school bus as very safe (54.0%) or fairly safe (38.5%).

# ***APPENDIX***

## ***Completed Surveys and Students by School District, 2009***

School District	Number of Completed Surveys	Percent of Total Number of Completed Surveys	Number of Students	Percent of Total Number of Students
Beaufort County	333	20.0	598	19.7
Winston-Salem/Forsyth County	268	13.2	488	16.1
Guilford County	313	18.8	587	19.4
Rowan-Salisbury	275	16.5	494	16.3
Stokes County	278	16.7	519	17.1
Watauga County	198	11.9	346	11.4
<b>Total</b>	<b>1,665</b>	<b>100.0</b>	<b>3,032</b>	<b>100.0</b>



## ***Students by Gender and School District, 2009***

School District	Percent Female	Percent Male	Percent Gender Missing	Total Number of Students
Beaufort County	52.2	46.5	1.3	598
Winston-Salem/Forsyth County	47.5	50.4	2.1	488
Guilford County	46.9	50.9	2.2	587
Rowan-Salisbury	48.4	48.8	2.8	494
Stokes County	50.9	44.9	4.2	519
Watauga County	47.7	50.9	1.5	346
Total	49.0	48.6	2.4	3,032

## ***Students by Grade Level and School District, 2009***

School District	Percent Elementary School	Percent Middle School	Percent High School	Percent Grade Level Missing	Total Number of Students
Beaufort County	35.1	25.4	14.2	25.3	598
Winston-Salem/Forsyth County	48.8	25.0	10.3	16.0	488
Guilford County	34.8	25.4	20.8	19.1	587
Rowan-Salisbury	30.2	28.3	15.6	25.9	494
Stokes County	38.9	23.5	19.9	17.7	519
Watauga County	48.8	24.9	9.3	17.1	346
Total	38.7	25.4	15.5	20.5	3,032

***Students Who Live In an Area Where School Bus Service is  
Provided by School District, 2009***

School District	Percent Yes	Percent No	Percent Don't Know	Percent Missing	Total Number of Students
Beaufort County	94.7	5.0	0.3	0.0	598
Winston-Salem/Forsyth County	92.8	5.3	1.4	0.4	488
Guilford County	94.4	4.8	0.9	0.0	587
Rowan-Salisbury	90.9	8.7	0.4	0.0	494
Stokes County	96.0	3.5	0.6	0.0	519
Watauga County	93.6	5.5	0.9	0.0	346
Total	93.8	5.4	0.7	0.1	3,032

## ***Morning Transportation Mode by School District, 2009***

School District	Percent Walks	Percent Bikes	Percent Rides School Bus	Percent Rides Contracted Van, Bus, or Public Transit	Percent Drives	Percent Driven by Parent	Percent Driven by Sibling	Percent Driven by Other Person	Total Number of Students
Beaufort County	0.0	0.6	48.5	0.7	4.7	36.8	2.8	5.9	598
Winston-Salem/ Forsyth County	3.5	0.2	47.4	0.7	2.3	42.4	0.7	3.0	488
Guilford County	1.8	0.3	46.1	0.4	2.2	40.3	2.0	6.9	587
Rowan-Salisbury	2.1	0.2	39.8	0.4	6.7	42.0	2.5	6.5	494
Stokes County	0.6	0.3	40.0	0.2	7.1	41.5	3.5	6.8	519
Watauga County	1.3	0.0	31.5	0.0	3.6	56.5	1.5	5.6	346
<b>Total</b>	<b>1.5</b>	<b>0.3</b>	<b>43.1</b>	<b>0.4</b>	<b>4.4</b>	<b>42.2</b>	<b>2.2</b>	<b>5.8</b>	<b>3,032</b>

**Note: A child could have more than one regular mode of transportation to school.**

***Morning Transportation Mode Comparison by School District,  
2009***

School District	Percent Rides School Bus	Percent Rides Passenger Car	Percent Other	Total Number of Students
Beaufort County	48.5	50.2	1.3	598
Winston-Salem/Forsyth County	47.4	48.4	4.4	488
Guilford County	46.1	51.4	2.5	587
Rowan-Salisbury	39.8	57.7	2.7	494
Stokes County	40.0	58.9	1.1	519
Watauga County	31.5	67.2	1.3	346
Total	43.1	54.6	2.2	3,032

**Note: A child could have more than one regular mode of transportation to school.**

## ***Afternoon Transportation Mode by School District, 2009***

School District	Percent Walks	Percent Bikes	Percent Rides School Bus	Percent Rides Contracted Van, Bus, or Public Transit	Percent Drives	Percent Driven by Parent	Percent Driven by Sibling	Percent Driven by Other Person	Total Number of Students
Beaufort County	2.2	0.7	58.2	2.4	4.0	25.4	1.9	5.2	598
Winston-Salem/ Forsyth County	2.8	0.0	60.5	1.6	2.3	27.6	0.5	4.7	488
Guilford County	1.9	0.6	57.2	1.7	2.2	29.6	1.7	5.2	587
Rowan-Salisbury	2.6	0.2	47.9	1.4	6.2	32.0	2.6	7.4	494
Stokes County	0.3	0.0	52.8	0.3	6.8	26.9	2.9	10.0	519
Watauga County	1.0	0.0	45.5	0.7	3.4	42.9	0.5	6.0	346
<b>Total</b>	<b>1.4</b>	<b>0.3</b>	<b>53.5</b>	<b>1.1</b>	<b>4.3</b>	<b>30.5</b>	<b>2.0</b>	<b>6.9</b>	<b>3,032</b>

**Note: A child could have more than one regular mode of transportation from school.**

***Afternoon Transportation Mode Comparison by School District,  
2009***

School District	Percent Rides School Bus	Percent Rides Passenger Car	Percent Other	Total Number of Students
Beaufort County	58.2	36.5	5.3	598
Winston-Salem/Forsyth County	60.5	35.1	4.4	488
Guilford County	57.2	38.7	4.2	587
Rowan-Salisbury	47.9	48.2	4.2	494
Stokes County	52.8	46.6	0.6	519
Watauga County	45.5	52.8	1.7	346
Total	53.5	43.6	2.9	3,032

**Note: A child could have more than one regular mode of transportation from school.**

## ***Why Students Do Not Ride School Bus (Top 9) by School District, 2009***

School District	Percent Bus Behavior Concerns	Percent AM Schedule Conflict	Percent Bus Ride Too Long	Percent PM Schedule Conflict	Percent Bus Safety Concerns	Percent Before or After School Activities	Percent Enjoys Riding with Friends	Percent Bus Ride is Too Dangerous	Percent Bus Stop is Too Far	Total Number of Students
Beaufort County	28.8	11.2	12.8	7.6	8.0	7.2	9.2	4.4	1.6	182
Winston-Salem/ Forsyth County	23.7	11.9	12.4	7.2	12.4	3.1	2.6	4.1	5.7	133
Guilford County	19.9	16.6	12.0	9.0	10.3	7.0	4.0	2.7	2.3	165
Rowan-Salisbury	16.7	17.1	11.1	11.1	9.0	11.1	5.1	3.0	2.6	196
Stokes County	23.6	19.8	17.7	10.4	6.9	10.1	1.7	3.5	1.4	177
Watauga County	23.9	14.6	13.6	8.9	8.0	4.7	1.4	3.8	6.1	138
Total	22.7	15.5	13.4	9.1	9.0	7.4	4.1	3.5	3.0	991

**Note: More than one reason could be identified per child.**



## ***Parents' Perception of Bus Arrival Time (BAT), 2009***

School District	Percent Mostly On Time	Percent Mostly Early	Percent Mostly Late	Percent Unpredictable	Percent Missing	Total Number of Students
Beaufort County	77.5	4.0	3.1	11.7	3.7	351
Winston-Salem/ Forsyth County	82.1	2.2	3.7	8.1	4.0	273
Guilford County	78.4	4.3	4.9	9.4	3.0	329
Rowan-Salisbury	80.2	1.3	5.3	7.5	5.7	227
Stokes County	84.7	2.0	0.4	8.9	4.0	248
Watauga County	88.6	3.3	0.8	5.7	1.6	123
Total	80.9	3.0	3.3	9.0	3.8	1,551

## ***Child Lives 1.5 Miles or More From School, 2009***

School District	Percent Yes	Percent No	Percent Don't Know	Percent Missing	Total Number of Students
Beaufort County	69.1	15.8	5.0	10.0	259
Winston-Salem/Forsyth County	70.0	14.5	8.7	6.8	207
Guilford County	75.7	11.5	4.7	8.1	235
Rowan-Salisbury	70.2	13.3	3.9	12.7	181
Stokes County	75.4	12.0	2.1	10.5	191
Watauga County	85.8	6.3	1.6	6.3	127
Total	73.5	12.8	4.6	9.2	1,200

**Way Child Most Likely Would Get to or From School If Lived Within  
1.5 Miles of the School and No School Bus Transportation Was  
Provided, 2009**

School District	Percent Walks	Percent Bikes	Percent Rides Contracted Van, Bus, or Public Transit	Percent Drives	Percent Ride with Parent	Percent Ride with Sibling	Percent Rides with Other Person	Percent Don't Know	Percent Missing	Total Number of Students
Beaufort County	4.1	0.9	3.7	1.8	56.0	0.9	4.6	1.8	26.1	218
Winston-Salem/ Forsyth County	6.8	1.1	2.8	2.3	63.3	0.0	2.3	0.0	21.5	177
Guilford County	7.7	1.4	0.5	1.4	67.8	1.0	1.4	1.0	17.8	208
Rowan-Salisbury	2.5	0.6	0.0	1.3	51.0	1.3	10.2	0.6	32.5	157
Stokes County	4.2	0.6	0.6	1.2	58.3	0.6	10.1	0.0	24.4	168
Watauga County	0.8	0.8	0.8	2.5	70.6	0.0	3.4	0.8	20.2	119
Total	4.7	1.0	1.5	1.7	60.8	0.7	5.2	0.8	23.7	1,047

***Distance the School Would Have to Require the Child to Walk To or From the Bus Stop Before Parent Would Stop Child From Riding the Bus To or From School, 2009***

School District	Percent Two Blocks	Percent ¼ Mile	Percent ½ Mile	Percent ¾ Mile	Percent One Mile	Percent Missing	Percent Don't Know	Percent Not Applicable	Total Number of Students
Beaufort County	26.6	5.8	5.8	1.9	2.7	10.4	30.1	16.6	259
Winston-Salem/ Forsyth County	31.9	16.4	10.1	2.9	2.9	8.2	20.8	6.8	207
Guilford County	37.4	15.7	6.0	0.9	1.7	6.4	24.7	7.2	235
Rowan-Salisbury	34.3	8.3	1.7	0.0	1.7	10.5	28.2	15.5	181
Stokes County	28.8	9.4	5.2	0.5	1.6	12.6	20.9	20.9	191
Watauga County	17.3	11.0	7.9	0.8	1.8	5.5	40.2	16.5	127
Total	30.2	11.1	6.1	1.3	2.0	9.1	26.8	13.6	1,200

***Maximum Amount of Time Parent Would Allow Child to Ride the Bus To or From the School Before Parent Would Stop Child From Riding the Bus, 2009***

School District	Percent 30 Minutes	Percent 45 Minutes	Percent 60 Minutes	Percent 75 Minutes	Percent 90 Minutes	Percent Over 90 Minutes	Percent Missing	Total Number of Students
Beaufort County	62.6	22.8	21.6	8.9	2.7	6.6	10.8	259
Winston-Salem/Forsyth County	42.0	34.3	8.7	2.4	1.0	2.9	8.7	207
Guilford County	55.3	27.7	8.9	0.9	0.0	2.1	5.1	235
Rowan-Salisbury	30.4	24.3	22.7	5.5	3.3	5.0	8.8	181
Stokes County	16.8	29.8	18.8	14.1	4.7	7.9	7.9	191
Watauga County	27.6	29.9	28.3	6.3	3.1	2.4	2.4	127
Total	34.0	27.8	17.3	6.3	2.3	4.6	7.7	1,200

***How Child Would Get To and From the School If Parent Would Stop Child From Riding the Bus, 2009***

School District	Percent Walk	Percent Bike	Percent Ride Contracted Van, Bus, or Public Transit	Percent Drive	Percent Ride with Parent	Percent Ride with Sibling	Percent Ride with Other Person	Percent Don't Know	Percent Missing	Total Number of Students
Beaufort County	1.2	0.4	1.9	2.7	71.8	3.9	7.7	3.1	7.3	259
Winston-Salem/ Forsyth County	4.3	0.0	2.4	1.9	80.7	0.0	5.3	0.5	4.8	207
Guilford County	4.3	0.0	0.4	2.6	83.0	2.1	2.1	2.1	3.4	235
Rowan-Salisbury	1.7	1.1	1.1	1.1	74.6	1.7	9.9	0.6	8.3	181
Stokes County	3.7	0.0	1.0	2.6	71.7	2.1	12.0	1.0	5.8	191
Watauga County	0.0	0.0	0.0	0.8	89.8	0.0	4.7	2.4	2.4	127
Total	2.7	0.3	1.3	2.1	77.8	1.8	6.9	1.7	5.5	1,200

## ***Child's Bus Driver Known By Name, 2009***

School District	Percent Yes	Percent No	Percent Missing	Total Number of Students
Beaufort County	70.3	25.1	4.6	259
Winston-Salem/Forsyth County	34.8	61.4	3.9	207
Guilford County	50.6	46.0	3.4	235
Rowan-Salisbury	46.4	48.1	5.5	181
Stokes County	71.2	22.5	6.3	191
Watauga County	74.8	23.6	1.6	127
Total	57.3	38.3	4.3	1,200

## ***Confidence in Child's Bus Driver's Training and Ability, 2009***

School District	Percent Very Confident	Percent Somewhat Confident	Percent A Little Confident	Percent Not At All Confident	Percent Missing	Total Number of Students
Beaufort County	50.6	29.3	6.9	4.6	8.5	259
Winston-Salem/ Forsyth County	40.6	41.1	6.3	4.8	7.2	207
Guilford County	44.3	34.9	12.3	4.3	4.3	235
Rowan-Salisbury	39.2	38.1	8.8	4.4	9.4	181
Stokes County	57.1	27.7	4.7	2.1	8.4	191
Watauga County	54.3	36.2	3.1	2.4	3.9	127
Total	47.3	34.3	7.4	3.9	7.1	1,200



## ***Parents' Perception of Safety of Transport Mode - Walking, 2009***

School District	Percent Very Safe	Percent Fairly Safe	Percent Not Safe	Percent Don't Know	Percent Missing	Total Number of Students
Beaufort County	3.2	6.5	84.7	1.6	4.0	124
Winston-Salem/ Forsyth County	6.3	10.6	80.6	1.3	1.3	160
Guilford County	3.3	14.4	76.7	1.1	4.4	180
Rowan-Salisbury	3.0	6.0	83.5	1.5	6.0	133
Stokes County	0.8	6.2	88.4	0.8	3.9	129
Watauga County	1.1	1.1	93.7	0.0	4.2	95
Total	3.2	8.3	83.6	1.1	3.9	821

## ***Parents' Perception of Safety of Transport Mode - Biking, 2009***

School District	Percent Very Safe	Percent Fairly Safe	Percent Not Safe	Percent Don't Know	Percent Missing	Total Number of Students
Beaufort County	2.4	5.6	88.0	0.0	4.0	125
Winston-Salem/ Forsyth County	1.9	5.8	88.3	2.6	1.3	154
Guilford County	1.1	12.4	81.5	0.6	4.5	178
Rowan-Salisbury	0.0	4.7	86.7	2.3	6.3	128
Stokes County	0.8	5.3	88.7	1.5	3.8	133
Watauga County	0.0	2.0	92.9	1.0	4.0	99
Total	1.1	6.5	87.1	1.3	3.9	817

**Parents' Perception of Safety of Transport Mode – Riding School Bus, 2009**

School District	Percent Very Safe	Percent Fairly Safe	Percent Not Safe	Percent Don't Know	Percent Missing	Total Number of Students
Beaufort County	58.9	33.4	3.1	2.8	1.7	287
Winston-Salem/ Forsyth County	51.3	42.9	2.9	2.1	0.8	240
Guilford County	44.7	45.1	3.6	3.6	2.9	275
Rowan-Salisbury	53.6	37.8	2.3	2.7	3.6	222
Stokes County	56.7	38.1	1.2	2.0	2.0	247
Watauga County	60.9	31.8	2.8	2.2	2.2	179
Total	54.0	38.5	2.7	2.6	2.2	1,450

***Parents' Perception of Safety of Transport Mode - Riding  
Contracted Van, Bus, or Public Transit, 2009***

School District	Percent Very Safe	Percent Fairly Safe	Percent Not Safe	Percent Don't Know	Percent Missing	Total Number of Students
Beaufort County	29.6	39.8	10.2	15.3	5.1	98
Winston-Salem/ Forsyth County	22.2	39.8	14.8	21.3	1.9	108
Guilford County	25.2	35.4	11.1	22.0	6.3	127
Rowan-Salisbury	19.1	31.5	20.2	20.2	9.0	89
Stokes County	25.8	37.1	14.6	16.9	5.6	89
Watauga County	33.9	23.2	8.9	26.8	7.1	56
Total	25.4	35.4	13.4	20.1	5.6	567

## ***Parents' Perception of Safety of Transport Mode - Driving, 2009***

School District	Percent Very Safe	Percent Fairly Safe	Percent Not Safe	Percent Don't Know	Percent Missing	Total Number of Students
Beaufort County	44.3	35.1	14.4	1.0	5.2	97
Winston-Salem/ Forsyth County	29.7	45.9	16.2	5.4	2.7	74
Guilford County	37.6	35.5	15.1	3.2	8.6	93
Rowan-Salisbury	27.7	47.0	13.3	2.4	9.6	83
Stokes County	31.1	50.5	12.6	1.0	4.9	103
Watauga County	34.9	34.9	14.0	7.0	9.3	43
Total	34.5	42.0	14.2	2.8	6.5	493

**Parents' Perception of Safety of Transport Mode – Driven by Parent,  
2009**

School District	Percent Very Safe	Percent Fairly Safe	Percent Not Safe	Percent Don't Know	Percent Missing	Total Number of Students
Beaufort County	85.3	12.4	0.4	0.0	1.9	266
Winston-Salem/ Forsyth County	90.7	8.0	0.0	0.4	0.8	237
Guilford County	87.1	10.1	0.0	0.0	2.8	287
Rowan-Salisbury	87.7	8.5	0.4	0.0	3.4	235
Stokes County	88.2	9.7	0.0	0.0	2.1	238
Watauga County	91.0	6.9	0.0	0.0	2.1	189
Total	88.2	9.4	0.1	0.1	2.2	1,452

***Parents' Perception of Safety of Transport Mode - Driven by Sibling,  
2009***

School District	Percent Very Safe	Percent Fairly Safe	Percent Not Safe	Percent Don't Know	Percent Missing	Total Number of Students
Beaufort County	44.6	37.6	7.9	5.0	5.0	101
Winston-Salem/ Forsyth County	29.3	50.0	15.5	1.7	3.4	58
Guilford County	37.5	37.5	11.4	4.5	9.1	88
Rowan-Salisbury	29.9	50.6	8.0	2.3	9.2	87
Stokes County	36.5	53.1	3.1	2.1	5.2	96
Watauga County	43.9	36.6	7.3	2.4	9.8	41
Total	36.9	44.6	8.5	3.2	6.8	471

***Parents' Perception of Safety of Transport Mode – Driven by Other Person, 2009***

School District	Percent Very Safe	Percent Fairly Safe	Percent Not Safe	Percent Don't Know	Percent Missing	Total Number of Students
Beaufort County	52.9	37.2	2.9	4.1	2.9	172
Winston-Salem/ Forsyth County	55.2	34.4	2.6	6.5	1.3	154
Guilford County	46.6	37.1	4.5	7.3	4.5	178
Rowan-Salisbury	50.0	35.3	1.9	7.7	5.1	156
Stokes County	51.2	37.6	2.9	5.3	2.9	170
Watauga County	66.4	24.6	0.0	5.7	3.3	122
Total	53.0	34.9	2.6	6.1	3.4	952