

APPENDIX A DEMOGRAPHICS

Table A1: Age

	Beginner N = 20	Intermediate N = 15	Advanced N = 19
Mean	17.0 years	17.6 years	18.7 years
Std deviation	1.1	0.9	1.1
Max	19	19	21
Min	16	17	17

Table A2: Location

	Beginner N = 20	Intermediate N = 15	Advanced N = 19
Downtown in a city	(5) 20%	(2) 13%	(4) 21%
Suburban area	(16) 80%	(12) 80%	(15) 79%
Rural area		(1) 7%	

Table A3: Grade level of most courses

	Beginner N = 20	Intermediate N = 15	Advanced N = 19
10	(2) 10%		
11	(9) 45%	(1) 7%	
12	(1) 5%	(9) 60%	(2) 11%
OAC	(7) 35%	(1) 7%	(8) 42%
Other	(1) 5%	(4) 26%	(9) 47%

Table A4: Type of vehicles driven before receiving driver's licence

	Beginner N = 10		Intermediate N = 9		Advanced N = 9	
	Male	Female	Male	Female	Male	Female
Car	2	2	4		1	1
Motorboat		1	1		3	2
4-wheel vehicle		1			1	
Snowmobile		3				
Farm vehicle			1	1		
Other (Seadoo, go-cart, golf cart)		2	1		4	

Table A5: Type of vehicle driven most often

	Beginner N = 10		Intermediate N = 9		Advanced N = 9	
	Male	Female	Male	Female	Male	Female
Sedan (4 door)	7	4	4	4	6	6
Minivan	2	4	4	1		3
Coupe (2 door)		1	1	1	1	
Sport Utility		1			2	1
Station wagon	1					

Table A6: Type of transmission

	Beginner N = 20	Intermediate N = 15	Advanced N = 19
Manual	(1) 5%	(1) 7%	
Automatic	(19) 95%	(14) 93%	(19) 100%

Table A7: Frequency of wearing seatbelt when driving (self-report)

	Beginner N = 20	Intermediate N = 15	Advanced N = 19
Never			
Less than ½ the time			
More than ½ the time			
Always	100%	100%	100%

APPENDIX B DRIVING EXPERIENCE

Table B1: Length of time holding G1 licence

	Beginner
Mean	8.5
Std deviation	6.5
Max	24
Min	1

Table B2: Practice location right after getting G1 licence

	Intermediate N = 15	Advanced N = 19
Driveway		
Parking lot	40%	47%
Rural road	20%	
Main city street		21%
Residential street	40%	32%
Highway		
Other		

Table B3: Number of hours per month spent driving with an adult, other than an instructor

	Beginner N = 20	Intermediate N = 15	Advanced N = 19
Mean	8.1	5.5	4.1
Std deviation	7.1	5.7	4.4
Max	30	20	15
Min	0	0	0

Table B4: Number of days per week spent practising

	Beginner N = 20
Mean	2.7
Std deviation	2.0
Max	7
Min	0

Table B5: Months with very little or no practice

	Beginner N = 20
No	55%
Yes	45%

Table B6: Attempted level one road test and did not pass

	Beginner N = 20
No	95%
Yes	(1) 5%

Table B7: Person who provided most instruction

	Beginner N = 20
Mother	(7) 35%
Father	(7) 35%
Step-parent	(1) 5%
Friend	
Older sibling	
Licensed driving instructor	(5) 25%
Other relative	
Other	

Table B8: Driven without an accompanying licensed driver

	Beginner N pairs = 20		Intermediate N pairs = 15		Advanced N pairs = 19	
	Child	Parent	Child	Parent	Child	Parent
No	(18) 90%	(20) 100%	(14) 93%	(15) 100%	(18) 95%	(19) 100%
Yes	(2) 10%		(1) 7%		(1) 5%	

Table B9: Parents were aware that young driver was unaccompanied

	Beginner	Intermediate	Advanced
No	100%	100%	100%
Yes			

Table B10: Frequency driving to and from school

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Every day	(2) 10%	(1) 5%			37%	21%
Several times a week	5%	5%		7%	11%	16%
Once a week	5%		27%	27%	11%	16%
More than once a month	80%	5%		7%	11%	26%
Less than once a month					5%	
Never/almost never		85%	73%	60%	26%	21%

Table B11: Frequency driving for shopping, social and sporting events

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Every day	25%		13%	7%	16%	16%
Several times a week	35%	40%	47%	40%	68%	56%
Once a week	20%	20%	27%	33%	16%	21%
More than once a month				7%		
Less than once a month		5%				5%
Never/almost never	20%	35%	13%	13%		

Table B12: Frequency driving for “fun” or “something to do”

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Every day			7%			11%
Several times a week	10%	5%			16%	
Once a week	5%	20%	20%	7%	21%	16%
More than once a month	10%	5%	13%	7%	16%	5%
Less than once a month		10%	13%	7%	11%	21%
Never/almost never	75%	60%	47%	80%	37%	47%

Table B13: Frequency driving during rush hours

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Every day					26%	21%
Several times a week	10%	5%	27%	7%	11%	16%
Once a week	25%	25%	20%	20%	37%	42%
More than once a month	10%	5%	13%	33%	5%	5%
Less than once a month		15%		7%	5%	11%
Never/almost never	45%	50%	40%	33%	16%	5%

Table B14: Frequency driving on highways or freeways

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Every day			7%		21%	5%
Several times a week		5%	20%	13%	42%	32%
Once a week			7%	7%	5%	26%
More than once a month	5%	15%	27%	13%	11%	10%
Less than once a month	10%	10%	7%	13%	5%	10%
Never/almost never	85%	70%	33%	53%	16%	16%

Table B15: Young driver has driven on a busy street with traffic signals and made left turns

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	10%	15%				
Yes	90%	85%	100%	100%	100%	100%
Parents were aware the first time young driver did this						
No	11%		33%		32%	10%
Yes	89%	100%	67%	100%	68%	90%

Table B16: Young driver has driven on a rural 2-lane highway and overtaken another vehicle

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	70%	95%	20%	25%	32%	42%
Yes	30%	5%	80%	75%	68%	58%
Parents were aware the first time young driver did this						
No	17%		33%		57%	36%
Yes	83%	100%	67%	100%	43%	64%

Table B17: Young driver has driven on a freeway during rush hour

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	85%	95%	60%	67%	16%	26%
Yes	15%	5%	40%	33%	84%	74%
Parents were aware the first time young driver did this						
No			33%	17%	44%	14%
Yes	100%	100%	67%	83%	56%	86%

Table B18: Young driver has driven during heavy rain, snow or fog

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	50%	55%	13%	47%		10%
Yes	50%	45%	87%	53%	100%	90%
Parents were aware the first time young driver did this						
No			31%		28%	11%
Yes	100%	100%	69%	100%	72%	89%

Table B19: Young driver has driven after dark

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	20%	30%		7%		
Yes	80%	70%	100%	93%	100%	100%
Parents were aware the first time young driver did this						
No			33%		42%	5%
Yes	100%	100%	67%	100%	58%	95%

Table B20: Likelihood parent was aware the first time young driver experienced this type of driving

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
On busy street with traffic signals and made left turns	89%	100%	67%	100%	68%	90%
On rural two-lane highway and overtaken another vehicle	83%	100%	67%	100%	43%	64%
On a freeway during rush hour	100%	100%	67%	83%	56%	86%
During heavy rain, snow or fog	100%	100%	69%	100%	72%	89%
After dark	100%	100%	67%	100%	58%	95%

Table B21: Driving situations that parents do not want young driver to drive in

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	30%	30%	20%	7%	16%	21%
Yes	70%	70%	80%	93%	84%	79%
• Bad weather	12	9	9	9	12	10
• After dark/late at night	5		2		2	2
• Rush hour	1		1		1	
• When tired	1					
• After drinking	1				1	
• Long distances	1				2	2
• Heavy traffic		8		3		
• Highway		6		2		2
• Downtown				2		

Table B22: Driving situations that young driver does not feel comfortable in

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	30%	65%	47%	73%	26%	68%
Yes	70%	35%	53%	27%	74%	32%
• Bad weather	9	2	6	1	12	4
• After dark/late at night	5		1			
• Rush hour	2	5	1	1	2	
• Highway	1	9	1	2	1	
• In-car distractions	1					
• Everything	1					
• Downtown						1
• Merging						1

Table B23: Length of time holding G2 licence (months)

	G2 < 6 months	G2 > 12 months
Mean	4.5	20.6
Std deviation	1.3	8.7
Max	6	36
Min	3	7

Table B24: Length of time holding G1 licence before getting G2

	G2 < 6 months	G2 > 12 months
Mean	10.6	11.1
Std deviation	4.8	4.0
Max	24	18
Min	6	6

Table B25: Number of days per week of driving

	G2 < 6 months	G2 > 12 months
Mean	4.0	5.6
Std deviation	1.9	1.8
Max	7	7
Min	1	1

Table B26: Frequency driving with an adult licensed driver

	G2 < 6 months	G2 > 12 months
Never	40%	37%
Less than ½the time	33%	53%
More than ½the time	13%	5%
Always	13%	5%

Table B27: Months with little or no driving

	G2 < 6 months	G2 > 12 months
No	100%	63%
Yes		37%

Table B28: Attempted G level test and did not pass

	G2 < 6 months	G2 > 12 months
No	100%	100%
Yes		

Table B29: Frequency driving with peers without an adult licensed driver

	G2 < 6 months	G2 > 12 months
Never	20%	
Less than ½the time	33%	26%
½ the time	7%	26%
More than ½the time	33%	32%
Always	7%	16%

Table B30: Most # of passengers without an adult licensed driver

	Intermediate		Advanced	
	Parent	Child	Parent	Child
Mean	2.9	3.1	4.1	4.6
Std deviation	2.1	2.1	1.2	1.9
Max	7	7	6	8 *
Min	0 (4) *	0 (3) *	2	1

* zero values included in the mean

** 1 response > 3 standard deviations from mean & excluded from mean

Table B31: Frequency with which young drivers reported that their parents know how many passengers are in the vehicle

	G2 < 6 months	G2 > 12 months
Never	13%	11%
Less than 1/2the time	13%	32%
More than 1/2the time	20%	37%
Always	53%	21%

APPENDIX C EDUCATION RECEIVED FROM PARENTS/GUARDIANS

Table C1: Instructions parents have given young driver in the last month

	Beginner		Intermediate		Advanced		Total	
	Child	Parent	Child	Parent	Child	Parent	Child	Parent
None	3	1	1	1	6	8	10	10
Shoulder checks	3	1	2	4		2	5	7
Mirror checks	4	2	1	3	2	1	7	6
Speed up	2	2	1				3	2
Slow down	9	9	8	4	3	5	20	18
Brake evenly	1	5		1	2	1	3	7
Watch for pedestrians	1	1	1			1	2	2
Pay attention	6	1	3	1	2	3	11	5
Other (*)	8	12	4	6	7	6	19	24
Totals	34	33	20	19	16	19	70	71

* Where to look, starting and stopping, being more patient, following too closely, being too aggressive, driving in passing lane, keeping hands on wheel, driving too close to curb, clearing intersections quickly, watching for cyclists, making wide turns

Table C2: Frequency parents have given young driver in the last drive

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Zero	20%	30%	27%	40%	63%	63%
>0	80%	70%	73%	60%	37%	37%
Mean	Every 14 mins	Every 14 mins	Every 20 mins	Every 19 mins	Every 10 mins	Every 43 mins
Std deviation	Every 19 mins	Every 10 mins	Every 16 mins	Every 18 mins	Every 4.8 mins	Every 22 mins
Max	Every 1 min	Every 1 min	Every 5 mins	Every 5 mins	Every 2 mins	Every 15 mins
Min	Every 50 mins	Every 30 mins	Every 60 mins	Every 60 mins	Every 15 mins	Every 60 mins

Table C3: Practised what to do at a 4-way stop with parent

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	5%	20%	53%	60%	16%	79%
Yes	95%	80%	47%	40%	84%	21%

Table C4: Practised what to do at a pedestrian crosswalk with parent

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	20%	30%	47%	73%	16%	58%
Yes	80%	70%	53%	27%	84%	42%

Table C5: Practised what to do at a flashing red or amber traffic signal light with parent

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	45%	50%	53%	67%	32%	68%
Yes	55%	50%	47%	33%	68%	32%

Table C6: Practised what to do at an advance green light for left turns with parent

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	35%	65%	47%	67%	32%	53%
Yes	65%	35%	53%	33%	68%	47%

Table C7: Practised how to make left turns with parent

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	5%	5%	53%	60%	32%	63%
Yes	95%	95%	47%	40%	68%	37%

Table C8: Practised how to merge into high-speed traffic with parent

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	75%	80%	53%	60%	58%	53%
Yes	25%	20%	47%	40%	42%	47%

Table C9: Practised how to control vehicle in tight curves with parent

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	35%	55%	60%	73%	32%	63%
Yes	65%	45%	40%	27%	68%	37%

Table C10: Practised how to control skids with parent

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	90%	85%	73%		53%	68%
Yes	10%	15%	27%		47%	27%
Don't know or remember						5%

Table C11: Practised how to brake or slow in slippery conditions with parent

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	60%	50%	67%	87%	21%	58%
Yes	35%	50%	33%	13%	79%	37%
Don't know or remember	5%					5%

Table C12: Practised how to pass slower moving vehicles on a 2-lane highway with parent

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	90%	90%	60%	93%	74%	84%
Yes	10%	10%	40%		26%	11%
Don't know or remember				7%		5%

Table C13: Practised how to back up out of a parking space with parent

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	15%	20%	33%	53%	22%	47%
Yes	85%	80%	67%	47%	78%	53%

Table C14: Practised how to make lane changes on freeways with parent

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	15%	5%	47%	73%	58%	47%
Yes	85%	95%	53%	27%	42%	53%

Table C15: Parent discussed how to anticipate hazards and avoid accidents

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	20%	11%	7%	7%	11%	32%
Yes	80%	89%	93%	93%	89%	68%

Table C16: Importance of parent's instruction in comparison to driving instructor

	Beginner		Intermediate		Advanced		Average	
	Child	Parent	Child	Parent	Child	Parent	Child	Parent
Much more important	29%	7%	8%		28%	6%	23%	4%
More important	59%	13%	84%	8%	67%		69%	7%
As important	6%	53%		54%	6%	61%	4%	57%
Less important	6%	20%	8%	38%		28%	4%	28%
Much less important		7%				6%		4%

APPENDIX D EDUCATION RECEIVED FROM A FORMAL DRIVING EDUCATION COURSE

Table D1: Young driver took a formal driving education course

	Beginner N=20,20		Intermediate N=15,15		Advanced N=19,19	
	Child	Parent	Child	Parent	Child	Parent
No	20%	20%	13%	13%	5%	5%
Yes	85%	80%	87%	87%	95%	95%

D2 – Status of driving education course

	Beginner N=16, 16		Intermediate N=13,13		Advanced N=18,18	
	Child	Parent	Child	Parent	Child	Parent
In progress	58%	56%	8%	8%	6%	
Complete	42%	44%	92%	92%	94%	100%

D3 – Number of hours of in-car driving instruction

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Mean	11.2	12.6	15.5	12.2	10.5	11.4
Std deviation	2.5	4.8	8.2	4.2	1.1	5.6
Max	17	20	35	19	14	25
Min	7.5	7	10	4.5	10	7

Table D4: Totals from Table D3

	Totals	
	Child	Parent
Mean	12.1	12.1
Std deviation	4.9	4.8
Max	35	25
Min	7.5	4.5

Table D5: Adequacy of the amount of in-car instruction

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
More required	50%	25%	31%	38%	28%	39%
Just right	50%	62%	61%	62%	67%	56%
Less required			8%		6%	
Not sure		13%				5%

Table D6: How many more hours of in-car instruction should be given?

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Mean	6.7	7.1	4.0	22.2	5.9	6.0
Std deviation	5.2	3.0	1.1	19.4	5.2	5.3
Max	15	10	5	50	15	15
Min	2	4	3	5	2.5	2

Table D7: Totals from Table D6

	Totals	
	N = 15	N = 15
	Child	Parent
Mean	5.7	11.8
Std deviation	4.3	13.3
Max	15	50
Min	2	2

Table D8: Rating of knowledge of driving education program attended by child

	Beginner	Intermediate	Advanced
	Parent	Parent	Parent
High	19%		11%
Medium	62%	85%	78%
Low	19%	15%	11%

Table D9: Amount of experience between getting G1 and starting driving education program

	Beginner	Intermediate	Advanced
	Child	Child	Child
Mean	18.5	14.7	11.9
Std deviation	27.6	10.6	10.1
Max	100	80	30
Min	0 (7)	0 (2)	0 (3)

Table D10: Purpose of taking driving education program

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Learn to drive better	10	11	5	11	11	14
Obtain G2 faster	7	4	5	6	10	5
Parents insisted	5	8	2	5	8	7
Insurance reduction	12	10	6	7	14	13

Table D11: Practised what to do at a 4-way stop with instructor

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	7%	12%	8%		6%	
Yes	93%	69%	92%	100%	94%	78%
Don't know or remember		19%				22%

Table D12: Practised what to do at a pedestrian crosswalk with instructor

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	13%	6%	8%		6%	6%
Yes	87%	56%	92%	85%	88%	72%
Don't know or remember		38%		15%	6%	22%

Table D13: Practised what to do at a flashing red or amber traffic signal light with instructor

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	47%	6%	15%	8%	6%	6%
Yes	53%	50%	85%	54%	88%	67%
Don't know or remember		44%		38%	6%	27%

Table D14: Practised what to do at an advance green light for left turns with instructor

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	20%	6%	8%	8%	12%	6%
Yes	80%	69%	92%	77%	88%	67%
Don't know or remember		25%		15%		28%

Table D15: Practised how to make left turns with instructor

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	7%	6%				
Yes	93%	81%	100%	100%	100%	89%
Don't know or remember		12%				11%

Table D16: Practised how to merge into high-speed traffic with instructor

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	40%	44%	15%	8%	17%	11%
Yes	60%	31%	85%	77%	83%	61%
Don't know or remember		25%		15%		28%

Table D17: Practised how to control vehicle in tight curves with instructor

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	7%	6%	15%	15%	17%	6%
Yes	93%	56%	85%	54%	83%	56%
Don't know or remember		38%		31%		39%

Table D18: Practised how to control skids with instructor

F4(h)	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	80%	38%	54%	38%	44%	11%
Yes	20%	6%	46%	15%	56%	33%
Don't know or remember		56%		46%		56%

Table D19: Practised how to brake or slow in slippery conditions with instructor

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	47%	19%	31%	23%	44%	
Yes	53%	31%	62%	46%	50%	56%
Don't know or remember		50%	8%	31%	6%	44%

Table D20: Practised how to pass slower moving vehicles on a 2-lane highway with instructor

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	67%	56%	38%	38%	50%	28%
Yes	33%	6%	62%	38%	50%	6%
Don't know or remember		38%		23%		67%

Table D21: Practised how to back up out of a parking space with instructor

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	7%	6%				
Yes	93%	75%	100%	100%	100%	94%
Don't know or remember		19%				6%

Table D22: Practised how to make lane changes on freeways with instructor

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	60%	38%	23%	15%	33%	11%
Yes	40%	25%	77%	70%	67%	67%
Don't know or remember		38%		15%		22%

Table D23: Instructor discussed how to anticipate hazards and avoid accidents

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	13%	19%	8%		20%	6%
Yes	87%	69%	92%	69%	80%	67%
Don't know or remember		12%		31%		27%

Table D24: Driving course covered topics or situations that were not learned from a parent

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
No	20%	6%	38%		17%	
Yes	80%	88%	62%	100%	83%	94%
Don't know or remember		6%				6%

Table D25: “The driving course I have taken will help young driver learn to drive better”

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Strongly agree	27%	6%	15%	8%	44%	6%
Agree	60%	25%	85%	31%	33%	33%
Undecided	7%	6%		8%	17%	6%
Disagree	7%	38%		46%	6%	56%
Strongly disagree		25%		8%		

APPENDIX E PERCEIVED SKILL LEVEL AND RISK TAKING

Young drivers were asked to estimate their skill level with drivers age 25 and over for the following situations

Table E1: Anticipating hazards

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Well below average (1)		5%				
Below average	45%	58%	14%	33%	21%	11%
Average	30%	11%	43%	47%	37%	47%
Above average	20%	21%	43%	20%	42%	26%
Well above average (5)	5%	5%				11%
N/A						5%

Table E2: Smooth lane changes in heavy traffic

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Well below average (1)	5%					
Below average	20%	35%		20%	10%	5%
Average	40%	41%	43%	27%	37%	37%
Above average	30%	12%	43%	53%	32%	42%
Well above average (5)	5%	12%	14%		21%	11%
N/A						5%

Table E3: Making fast reactions

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Well below average (1)		17%				
Below average	37%	28%	21%	33%	5%	5%
Average	42%	44%	43%	33%	37%	26%
Above average	16%	11%	36%	27%	53%	47%
Well above average (5)	5%			6%	5%	16%
N/A						5%

Table E4: Passing on a 2-lane road

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Well below average (1)					5%	5%
Below average	15%	10%	14%	13%	21%	11%
Average	5%	5%	36%	27%	21%	16%
Above average	20%		21%	27%	16%	21%
Well above average (5)		5%	14%		10%	11%
N/A	60%	80%	14%	33%	26%	37%

Table E5: Driving around sharp curves

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Well below average (1)	5%					
Below average	30%	40%	7%	13%	16%	16%
Average	45%	25%	57%	60%	47%	32%
Above average	15%	20%	36%	27%	32%	42%
Well above average (5)		5%			5%	5%
N/A	5%	10%				5%

Table E6: Driving on slippery roads

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Well below average (1)	10%		7%			
Below average	35%	40%	29%	47%	26%	
Average	20%	15%	50%	27%	47%	
Above average	10%	5%	14%	7%	26%	
Well above average (5)	5%			7%		
N/A	20%	40%		13%		

Table E7: Overall skill level

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Well below average (1)	5%					
Below average	20%	40%		20%	5%	26%
Average	55%	40%	50%	53%	37%	37%
Between average and above average	15%		29%			
Above average	5%		21%	27%	58%	16%
Well above average (5)		15%				16%
N/A – Can't compare		5%				5%

Table E8: Likelihood of talking on a cell phone while driving

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Not likely	90%	80%	86%	73%	42%	53%
Somewhat likely	10%	15%	7%	20%	26%	42%
Very likely		5%			26%	5%
Depends			7%	7%	5%	

Table E9: Likelihood of driving while tired

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Not likely	65%	85%	50%	80%	21%	47%
Somewhat likely	25%	15%	36%	20%	74%	42%
Very likely	5%		7%		5%	10%
Depends	5%		7%			

Table E10: Likelihood of driving after drinking (even 1 drink)

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Not likely	90%	100%	100%	93%	95%	100%
Somewhat likely	10%			7%	5%	
Very likely						
Depends						

Table E11: Likelihood of driving more than 10km/h over the speed limit

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Not likely	30%	75%	14%	53%	11%	11%
Somewhat likely	40%	15%	29%	27%	21%	42%
Very likely	30%	10%	57%	20%	68%	47%
Depends						

Table E12: Likelihood of driving more than 30km/h over the speed limit

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Not likely	95%	100%	86%	87%	58%	95%
Somewhat likely	5%		14%	7%	26%	5%
Very likely				7%	5%	
Depends					11%	

Table E13: Likelihood of following another car closely at high speeds

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Not likely	100%	90%	79%	80%	89%	74%
Somewhat likely		10%	21%	7%	11%	21%
Very likely				13%		5%
Depends						

Table E14: Likelihood of making a lane change without checking blind spots

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Not likely	100%	95%	79%	87%	95%	100%
Somewhat likely		5%	21%	7%	5%	
Very likely				7%		
Depends						

Table E15: Likelihood of making a left turn by accepting a small gap in oncoming traffic

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
Not likely	90%	95%	79%	93%	79%	79%
Somewhat likely	5%	5%	21%	7%	16%	21%
Very likely	5%					
Depends					5%	

APPENDIX F DRIVING VIOLATIONS AND ACCIDENTS

Table F1: Infractions – stopped or ticketed by police

	Beginner		Intermediate		Advanced	
	Child	Parent	Child	Parent	Child	Parent
None	95%	95%	100%	100%	53%	89%
Following too closely						1
Parking					2	1
Improper turn					2	
Careless driving					1	
Accident					1	
Speeding	1	1			1	
Tinted windows					1	1

*Note – number refers to number of subjects who had that type of infraction, not the total number of infractions of that type

Table F2: Number of accidents, even minor ones that weren't reported

	Beginner N=20		Intermediate N=15		Advanced N=19	
	Child	Parent	Child	Parent	Child	Parent
0	20	20	13	12	10	13
1			2	3	5	3
>1					4	3

Table F3: Severity of damage

	Intermediate		Advanced	
	Child	Parent	Child	Parent
Only damage to vehicle, but serious	50%	33%	47%	33%
Minor property damage	50%	67%	53%	67%

Table F4: In most recent accident, who was at fault?

	Intermediate		Advanced	
	Child	Parent	Child	Parent
All mine		33%	56%	60%
Mostly mine		33%	22%	20%
50-50	100%	33%	11%	
All the other driver			11%	20%

Table F5: In most recent accident, how many passengers were in the car?

	Intermediate		Advanced	
	Child	Parent	Child	Parent
None			56%	20%
>0	100%	100%	44%	80%
Mean	3.5	3	2.75	2.25
Std Dev	3.5	2	2.87	2.5
Max	6	5	7	6

Table F6: Circumstances of most recent accident

	Intermediate		Advanced	
	Child	Parent	Child	Parent
Racing	1	1		
Changing lanes	1	1		
Following too closely				1
Bad weather			3	3
Rear ended another car			2	
Backed into another car			2	1
Rear ended by another car			1	
Lost control			1	
Hit a parked car			1	
Hit a moving car			1	1
Hit a stationary object		1		1
At intersection			1	
Nighttime			1	1

Table F7: Type of licence at time of accident

	Intermediate		Advanced	
	Child	Parent	Child	Parent
G1		33%		
G2	100%	67%	100%	100%

APPENDIX G YOUNG DRIVER G1 QUESTIONNAIRE

Interviewer Initials: _____
Date: _____
Start Time: _____
End Time: _____

SECTION I: DEMOGRAPHICS

The first section asks general questions about yourself and, your vehicles.

1) Listen to the following statements, and indicate which classification applies to you:

- Beginner Driver: Has **not yet passed** the G2 road test.
- Intermediate Driver: Has had a G2 class licence for less than 6 months. Is not currently taking a formal driving education program.
- Advanced Driver: Has had a G2 class licence for 12 months or more. Is not currently taking a formal driving education program. Has not yet passed the G road test.
- None of the above (*Instructions: if participant does not fall into one of the categories above, thank them for their time.*)

2) How old are you? 16 17 18 19

3) Gender: Male Female

4) Education:

4a) If you are enrolled in school, at what Grade Level are most of your courses?

10 11 12 OAC Other _____

4b) Are you taking any higher-level courses? No Yes

4c) Comments:

5) Where do you live?

- Urban area with population greater than 5000 (a city or large town)
- Urban area with population less than 5000 (a medium sized town)
- Sub-urban area (a small community or subdivision close to a larger urban area – within 10 km)
- Rural area (more than 10 km distant from nearest urban area)

10c) On average, how frequently have you practised during this time period? (i.e. 4 times/week) _____

10d) Have there been months during this time period where you practised very little or not at all? No Yes

If yes, why?

10e) Have you attempted the Level One Road Test and not passed? No Yes

11) Since obtaining your G1 licence, how often do you drive: (please check one box per question)

	Every day	Several times a week	Once a week	> once a month	< once a month	Never / Almost never
To and from school?						
For shopping/social or sporting events?						
For fun or something to do?						
During rush hours?						
On highways or freeways?						
On long trips >100 km						

12)

12a) While holding a G1 licence, who are the people that acted as your accompanying licensed driver, sitting in the front passenger seat?

Mother

Step-parent/guardian

Father

Friend (age: _____)

Older Sibling (age: _____)

Licensed driving instructor

Other Relative (specify) _____

Other: _____

12b) Who has provided you with the **most** instruction?

- Mother
- Step-parent/guardian
- Father
- Friend (age: _____)
- Older Sibling (age: _____)
- Licensed driving instructor
- Other Relative (specify) _____
- Other: _____

13)

13a) So far, since obtaining your G1 licence, have you ever driven without an accompanying licensed driver? No Yes

13b) If yes, how many times? _____

13c) Were passengers (not licensed drivers) in the vehicle with you? No Yes, How many?

13d) Did your parent/guardian know that you were unaccompanied? No Yes

13e) If yes, describe the situation (e.g. why did you drive without a licensed driver; and if your parent/guardian didn't know, why not?):

We are interested in the kinds of driving experiences you have already had. For each of the following driving situations, please tell me whether you have experienced that type of driving, and if yes, were your parents aware that you were driving in that situation?

	No	Yes	Parents Aware?
On a busy street with traffic signals where you made left turns			<input type="checkbox"/> No <input type="checkbox"/> Yes
On a rural highway where you had to overtake another vehicle			<input type="checkbox"/> No <input type="checkbox"/> Yes
On a freeway during rush hours			<input type="checkbox"/> No <input type="checkbox"/> Yes
On wet or slippery roads			<input type="checkbox"/> No <input type="checkbox"/> Yes
During heavy rain, snow or fog			<input type="checkbox"/> No <input type="checkbox"/> Yes
After dark			<input type="checkbox"/> No <input type="checkbox"/> Yes

14)

14a) Are there any driving situations that your parents do not want you to drive in? (if yes, ask if they have driven in any of these situations without your parents' knowledge)

Situation:	Parents Aware?
	<input type="checkbox"/> No <input type="checkbox"/> Yes
	<input type="checkbox"/> No <input type="checkbox"/> Yes
	<input type="checkbox"/> No <input type="checkbox"/> Yes
	<input type="checkbox"/> No <input type="checkbox"/> Yes

14b) Are there any groups or individuals that your parents do not allow you to drive with? No
 Yes, Who? _____

SECTION III: DRIVING EDUCATION RECEIVED

The next group of questions is more specific to the kinds of driving instruction you have received, including what you may have received from parents and formal driving instructors.

15)

15a) When accompanied by your parent(s) or guardian (who is not a licensed driving instructor), what instructions did they give you? (check instructions mentioned, do not prompt)

- Shoulder checks
- Mirror checks
- Speed up
- Slow down
- Brake evenly
- Watch for pedestrian(s)
- Pay attention

Others:

15b) In your last drive with a parent or guardian, approximately how frequently did they give you verbal instructions (e.g. once every 5 minutes)?

Number/time period: _____ Not sure

16) While driving with your parent or guardian, have you practised: *(ask yes/no/don't know or remember for each question)*

16a) What to do at a:

4 way stop Yes No Don't know / don't remember

Pedestrian crosswalk Yes No Don't know / don't remember

Flashing red or amber traffic signal light
 Yes No Don't know / don't remember

Advance green light for left turns Yes No Don't know / don't remember

16b) How to:

Make left turns Yes No Don't know / don't remember

Merge into high speed traffic Yes No Don't know / don't remember

Control a vehicle in tight curves Yes No Don't know / don't remember

Control skids Yes No Don't know / don't remember

Brake or slow during wet or slippery conditions
 Yes No Don't know / don't remember

Pass slower moving vehicles on a highway
 Yes No Don't know / don't remember

Back up (out of driveway or parking space)
 Yes No Don't know / don't remember

Make lane changes on multi-lane highways or expressways
 Yes No Don't know / don't remember

16c) Have you practised anything else? _____

Training received in a formal course

17)

17a) Did you take / are you taking a formal driving education course?

No Yes

(If no, go to Q. 25)

17b) Driver Training in progress Driver Training completed

17c) Why did you take the course

Would learn to drive better Can get G2 faster Parents insisted

Insurance is reduced Other: _____

18) Approximately how many hours of driving experience did you have, between getting your G1 licence and beginning the drivers' education course? _____ hours.

19)

19a) Is the on-road component of your Driving Education Course in progress or completed?

19b) How many hours of in-car instruction will you / did you receive in total? _____ hours Not sure

19c) Do you think the amount of time spent in in-car instruction is/will be adequate?

More required Just right Less required Not sure

Ask only if course completed:

19d) If the amount of time spent in in-car instruction is not adequate, how many more hours of in-car instruction do you think you should receive? _____ hours Not sure

20) While driving with your licensed driving instructor, have you practised: *(ask yes/no/ don't know or remember for each question)*

20a) What to do at a:

4 way stop Yes No Don't know / don't remember

Pedestrian crosswalk Yes No Don't know / don't remember

Flashing red or amber traffic signal light Yes No Don't know / don't remember

Advance green light for left turns Yes No Don't know / don't remember

20b) How to:

- Make left turns Yes No Don't know / don't remember
- Merge into high speed traffic Yes No Don't know / don't remember
- Control a vehicle in tight curves Yes No Don't know / don't remember
- Control skids Yes No Don't know / don't remember
- Brake or slow during wet or slippery conditions
 Yes No Don't know / don't remember
- Pass slower moving vehicles on a highway Yes No Don't know / don't remember
- Back up (out of driveway or parking space) Yes No Don't know / don't remember
- Make lane changes on multi-lane highways or expressways
 Yes No Don't know / don't remember

20c) Have you practised anything else? _____

- 21) While driving with your licensed driving instructor, have you discussed how to anticipate hazards and avoid accidents? No Yes
- 22) Has the formal driving education covered any other special topics or situations that you have not learned from your parent(s) or another adult?

- 23) Listen to the following statement: "The driving education course I am taking / have taken will help me to drive better" Please indicate if you:
 Strongly agree Agree Undecided Disagree Strongly disagree

SECTION IV: SKILL LEVEL/RISK TAKING

The next set of questions has to do with your skill as a driver.

24) Please estimate how skilful you are in each of the following aspects of driving, compared to drivers over 25. Rating your skill level on a scale from 1 to 5. The numbers mean:

1 = well below average	2 = below average	3 = average	4 = above average	5 = well above average
------------------------	-------------------	-------------	-------------------	------------------------

	Skill Level
Anticipating hazards	
Obeying the traffic rules	
Preventing a skid	
Smooth lane-changing in heavy traffic	
Fast reactions	
Driving in the dark	
Passing on a 2-lane road	
Driving around sharp curves	
Driving on slippery roads	
Overall skill level	

25)

25a) What factors do you feel contribute to motor vehicle accidents among young drivers? (**Do not prompt. Check as many as are mentioned**):

- Speed Alcohol Lack of control Fatigue
- Lack of attention (other people in vehicle, not watching road, etc.)
- Inability to divide attention (i.e. situation too complex)
- Risky driving behaviour (following too closely)
- Lack of judgment (making turn with insufficient time)
- Night driving
- Other(s): _____

25b) For **teenage drivers**, what do you think is the **single biggest** contributing factor to vehicle accidents?

- Speed Alcohol Lack of control Fatigue
- Lack of attention (other people in vehicle, not watching road, etc.)
- Inability to divide attention (i.e. situation too complex)
- Risky driving behaviour (following too closely)
- Lack of judgment (making turn with insufficient time)
- Night driving
- Other(s): _____

26c) For **drivers over age 25**, what do you think is the **single biggest** contributing factor to vehicle accidents?

- Speed Alcohol Lack of control Fatigue
- Lack of attention (other people in vehicle, not watching road, etc.)
- Inability to divide attention (i.e. situation too complex)
- Risky driving behaviour (following too closely)
- Lack of judgment (making turn with insufficient time)
- Night driving
- Other(s): _____

26) Thinking about your own driving, how likely are you to do the following:

	Not likely	Somewhat likely	VERY LIKELY	DEPENDS
Talk on a cell phone while driving				
Drive when tired				
Drive after drinking (even one drink)				
Drive more than 10km/hour over the speed limit				
Drive more than 30km/hour over the speed limit				
Follow another car closely at high speeds				
Make a lane change without checking blind spots				
Make a left turn without leaving much distance between self and on-coming car				

27) How nervous or worried do the following driving situations make you? 1=very nervous, 2=a little nervous, 3=not nervous at all

	Rating
Driving between close parked cars	
Overtaking another vehicle	
Making a left turn at a traffic light in heavy traffic	
Driving at night	
Driving in the rain	
Other: (specify _____)	

SECTION V: CONVICTIONS / ACCIDENTS

28) Since receiving your G1 licence, how many times have you been stopped or ticketed by the police? (Check each violation and number for each)

- Speeding Failed to stop at stop sign Improper turn
 Run amber light Run red light Unsafe passing
 Parking Equipment violations, such as lights, muffler, etc.
 Others: _____

29)

29a) Have you ever had an accident, even a minor one that was not reported, if so how many?

- No (go to Q 31) One Two Three Four or more

29b) When you were driving, how many accidents have you been involved in where the most severe damage was:

	Number (If none, enter 0)
Fatal or serious injury, such as broken bones, whiplash, or internal injuries	
Minor injury only, such as scratches or bruises	
Only property damage, but serious (i.e. your car had to be towed)	
Minor property damage only (i.e. dents)	

29c) Thinking about your most recent accident and based on your current driving knowledge, who was at fault?

- All mine Mostly mine 50-50
 Mostly the other driver's All the other driver's Don't know

29d) In your most recent accident, did you have passengers in your car?

- No Yes, If so how many? _____

29e) What were the circumstances of that accident? (Check all behaviours and driving situations mentioned)

- Struck another vehicle (parked)
- Struck another vehicle (moving)
- Struck an object (not another vehicle)
- Struck a person
- Struck an animal (i.e. dog, cat)
- Narrow road
- Backing up
- Lost control
- Weather conditions
- Passing
- At intersection
- Wasn't paying attention
- Poor light conditions / time of day (i.e. sunset)
- Night driving
- Merging into traffic
- Speed
- Risky behaviour

Other: _____

To finish up, I would like to ask you two final questions:

30)

30a) Please estimate how many hours of driving practice with an adult you think the average young driver should have before he or she can try the Level One Road Test to get a G2 licence (i.e. being allowed to drive unaccompanied)? Hours: _____ Not sure

Comments:

30b) How much practice time do you feel you need **in addition to** the formal driving training program before reaching the G2 level and driving unaccompanied?

Number: _____ days/hours/months Not sure

Comments:

Closing Remarks:

Do you have any questions you would like to ask, or comments you would like to make about this study?

Thank you for participating in our study.

APPENDIX H
PARENT OF YOUNG DRIVER G1 QUESTIONNAIRE

Interviewer Initials: _____
Date: _____
Start Time: _____
End Time: _____
Parent last name: _____
Name of Young Driver interviewed: _____

SECTION I: DEMOGRAPHICS

The first section asks general questions about you.

1)

1a) Who has provided NYD (new young driver) with in-car driving instruction, practised with him/her, or acted as the required accompanying licensed driver?

Yourself Spouse Both Other _____ (note, if other, thank subject for time. if Both, ask question 1b).

1b) Who provided the most in-car driving instruction, you or your spouse? (Note: the parent being interviewed should be the one who provided the most instruction).

Yourself Spouse

2) Are you 30-40 41-50 or >50 years of age?

3) Gender: Male Female

4) What is your highest level of education?

Completed Grade 8 Some university or college
 Some high school Completed university or college
 High school graduate Other: _____

5) Where do you live?

- Urban area with population greater than 5000 (a city or large town)
- Urban area with population less than 5000 (a medium sized town)
- Sub-urban area (a small community or subdivision close to a larger urban area – within 10 km)
- Rural area (more than 10 km distant from nearest urban area)

SECTION II: YOUNG DRIVER BACKGROUND AND DRIVING EXPERIENCE

Now I am going to ask you about [NYD]'s driving experience and the education he/she has received.

Refer to Teen questionnaire:

Data code:

Driver # _____ Name: _____

Gender: Male Female

Age: _____

Licence classification: Beginner Intermediate Advanced

6)

6a) What type of vehicle does [Name of YD] currently drive most often? (e.g. passenger vehicle, sport utility, etc.): _____

6b) Does this vehicle have a manual or automatic transmission?

6c) What safety features does this vehicle have? (*check as mentioned, do not prompt*)

ABS brakes Air bags Seatbelts Others: _____

6d) Has [NYD] driven any other vehicles for the purpose of practice or instruction?

No Yes, If yes, indicate the type of vehicle(s), the transmission type, and the safety features of each:

7) When driving, how often does [NYD] wear a seatbelt?

- Never
- Less than half of the time
- More than half of the time
- Always

8) What is [NYD]'s current licence status, and how long has he/she held this licence G1 for: _____ months Not sure (*check for parent knowledge of licensing level*)

9) **Prior to getting his/her G1 licence**, did [NYD] have experience driving other motorized vehicles (i.e. car, motorized boat, dirt bike, 4 wheel vehicle, snowmobile, farm vehicle, etc.)?

No Yes (Specify) _____

10) Where did [NYD] go to practice for the first few hours after getting his/her G1 licence?

(check most applicable):

Driveway Parking lot Rural road Main city street

Highway Urban residential street Other:(describe): _____

11) We are interested in the kinds of driving experiences [NYD] may have already had. For each of the following driving situations, please tell me whether you think [NYD] has experienced that type of driving, and if yes, were you aware of it **at the time**?

	No	Yes	Aware at time?
On a busy street with traffic signals where they made left turns			<input type="checkbox"/> No <input type="checkbox"/> Yes
On a rural highway where they had to overtake another vehicle			<input type="checkbox"/> No <input type="checkbox"/> Yes
On a freeway during rush hours			<input type="checkbox"/> No <input type="checkbox"/> Yes
On wet or slippery roads			<input type="checkbox"/> No <input type="checkbox"/> Yes
During heavy rain, snow or fog			<input type="checkbox"/> No <input type="checkbox"/> Yes
After dark			<input type="checkbox"/> No <input type="checkbox"/> Yes

12) Are there any driving situations that you do not want [NYD] to drive in, and if yes, to your knowledge, has he/she ever driven in any of these situations without your permission?

Situation:	Done anyway without permission?
	<input type="checkbox"/> No <input type="checkbox"/> Yes
	<input type="checkbox"/> No <input type="checkbox"/> Yes
	<input type="checkbox"/> No <input type="checkbox"/> Yes
	<input type="checkbox"/> No <input type="checkbox"/> Yes

13) Are there any groups or individuals that you do not allow [NYD] to drive with? No Yes, Who? _____

Parent Questionnaire: G1 Driver's Experience

14)

14a) Since obtaining his/her G1 licence, approximately how many hours per month on average would you say [NYD] has practised with an adult, other than a driving instructor? _____ hours/month.

14b) On average, how frequently has [NYD] practised during this time period? (e.g. 4 times/week) _____

14c) Have there been months during this time period where [NYD] practised very little or not at all? No Yes

Comments: _____

14d) Since obtaining his/her G1 licence, have [NYD] ever driven without an accompanying licensed driver? No Yes

i) If yes, how many times? _____

ii) Were passengers (not licensed drivers) in the vehicle? No Yes

How many? ____

iii) What were the circumstances of this situation?

14e) Has [NYD] attempted the Level One Road Test and not passed? No Yes

15) Since [NYD] obtained his/her G1 licence, how often does he/she drive: (*please check one box per question*)

	Every day	Several times a week	Once a week	> once a month	< once a month	Never / Almost never
To and from school?						
For shopping/social or sporting events?						
For fun or something to do?						
During rush hours?						
On highways or freeways?						
On long trips >100 km						

16) To your knowledge, are there any situations that [NYD] does not feel comfortable driving in as a G1 driver?

SECTION III: PARENT/ADULT INVOLVEMENT IN YOUNG DRIVERS DRIVING EDUCATION

The next group of questions is more specific to the kinds of driving instruction you have provided to your young driver.

17)

17a) Since [NYD] obtained a G1 licence, who besides a licensed driving instructor has acted as his/her **accompanying licensed driver**, sitting in the front passenger seat (e.g. mother, older sibling, etc)?

- | | |
|---|--|
| <input type="checkbox"/> Mother | <input type="checkbox"/> Step-parent/guardian |
| <input type="checkbox"/> Father | <input type="checkbox"/> Friend (age: _____) |
| <input type="checkbox"/> Older Sibling (age: _____) | <input type="checkbox"/> Licensed driving instructor |
| <input type="checkbox"/> Other Relative (specify) _____ | <input type="checkbox"/> Other: _____ |

17b) Who, besides a licensed driving instructor has provided in-car **instruction**?

- | | |
|---|--|
| <input type="checkbox"/> Mother | <input type="checkbox"/> Step-parent/guardian |
| <input type="checkbox"/> Father | <input type="checkbox"/> Friend (age: _____) |
| <input type="checkbox"/> Older Sibling (age: _____) | <input type="checkbox"/> Licensed driving instructor |
| <input type="checkbox"/> Other Relative (specify) _____ | <input type="checkbox"/> Other: _____ |

18) While driving with [NYD], what instructions have **you** given? (*check instructions given. do not prompt*).

- | | | |
|--|--|-----------------------------------|
| <input type="checkbox"/> Shoulder checks | <input type="checkbox"/> Mirror checks | <input type="checkbox"/> Speed up |
| <input type="checkbox"/> Slow down | <input type="checkbox"/> Brake evenly | |
| <input type="checkbox"/> Watch for pedestrian(s) | <input type="checkbox"/> Pay attention | |
- Others:

19) In your **last** drive with [NYD], approximately how frequently did **you** give verbal instructions (e.g. once every 5 minutes)? _____ / _____ Not sure

20) While driving with [NYD], have you practised: (ask yes/no/don't know or remember for each question)

20a) What to do at a:

4 way stop Yes No Don't know / don't remember

Pedestrian crosswalk Yes No Don't know / don't remember

Flashing red or flashing amber overhead traffic signal
 Yes No Don't know / don't remember

Advance green light for left turns Yes No Don't know / don't remember

20b) How to:

Make left turns Yes No Don't know / don't remember

Merge into high speed traffic Yes No Don't know / don't remember

Control a vehicle in tight curves Yes No Don't know / don't remember

Control skids Yes No Don't know / don't remember

Brake or slow during wet or slippery conditions
 Yes No Don't know / don't remember

Pass slower moving vehicles on a highway
 Yes No Don't know / don't remember

Back up (out of driveway or parking space)
 Yes No Don't know / don't remember

Make lane changes on multi-lane highways or expressways
 Yes No Don't know / don't remember

21) Have you practiced anything else? _____

22) While driving with [NYD], have you discussed how to anticipate hazards and avoid accidents?

No Yes

SECTION IV: KNOWLEDGE OF TYPICAL CONTENT OF FORMAL DRIVING EDUCATION PROGRAMS

The next group of questions is more specific to the kinds of driving instruction your young driver is receiving or has received from a formal driving education course.

24)

24a) Did [NYD] take a formal driving education course? No Yes

24b) If yes, why?

- Learn to drive better Get G2 faster You/spouse insisted
 Insurance is reduced Other: _____

25) Would you rate your knowledge of the drivers education program attended by your young drivers as:

- High Medium Low

26) Listen to the following statement: "Driving education provides all the instruction and practice time needed to learn to drive safely." Please indicate if you:

- Strongly agree Agree Undecided Disagree Strongly disagree

26) Listen to the following statement: "My contribution to my young driver's learning to drive was much more important , more important , as important , less important , or much less important than that of his/her driving education instructor.

27) Indicate the main things your young driver has learned/will learn in drivers education that they did not learn from you or another adult who is not a licensed driving instructor:

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

27a) Is the on-road component of the Driving Education Course attended by your [NYD]

- in progress or complete?

27b) Overall, how many hours of in-car instruction does this course provide? ____ hours Not sure

27c) Do you think the amount of time spent in in-car instruction adequate?

- More required Just right Less required Not sure

27d) If the amount of time spent in in-car instruction is not adequate, how many hours of in-car instruction do you think is adequate? _____ hours Not sure

28) "Do you feel any additional practice time is needed **in addition to** the formal driving training program before reaching the G2 level and driving unaccompanied?" No Yes

If yes, how many hours more? _____ hours Not sure

29) While driving with a licensed driving instructor, has [NYD] practised: (*ask yes/no for each question*)

29a) What to do at a:

4 way stop Yes No Don't know / don't remember

Pedestrian crosswalk Yes No Don't know / don't remember

Flashing red or flashing amber overhead traffic signal
 Yes No Don't know / don't remember

Advance green light for left turns Yes No Don't know / don't remember

How to:

Merge into high speed traffic Yes No Don't know / don't remember

Control a vehicle in tight curves Yes No Don't know / don't remember

Control skids Yes No Don't know / don't remember

Brake or slow during wet or slippery conditions
 Yes No Don't know / don't remember

Pass slower moving vehicles on a highway
 Yes No Don't know / don't remember

Back up (out of driveway or parking space)
 Yes No Don't know / don't remember

Make lane changes on multi-lane highways or expressways
 Yes No Don't know / don't remember

29b) Have they practised anything else? _____

30) While driving with [NYD], has a licensed driving instructor discussed how to anticipate hazards and avoid accidents? No Yes

SECTION V: SKILL LEVEL/RISK TAKING

31) The next set of questions have to do with [NYD]'s skill as a driver. Please estimate how skilful you think [NYD] is in each of the following aspects of driving compared to drivers over 25 by rating the skill level on a scale from 1 to 5. The numbers mean:

1 = well below average 2 = below average 3 = average 4 = above average 5 = well above average

	Level
Anticipating hazards	
Obeying the traffic rules	
Preventing a skid	
Smooth lane-changing in heavy traffic	
Fast reactions	
Driving in the dark	
Passing on a 2-lane road	
Driving around sharp curves	
Driving on slippery roads	
Overall skill level	

32) Thinking about [NYD]'s driving habits, how likely is he/she to:

	Not likely	Somewhat likely	Very likely	Depends
Talk on a cell phone while driving				
Drive when tired				
Drive after drinking (even one drink)				
Drive more than 10km/hour over the speed limit				
Drive more than 30km/hour over the speed limit				
Follow another car too closely				
Make a lane change without checking blind spots				
Make a left turn without leaving much distance between self and on-coming car				

35) What factors do you feel contribute to motor vehicle accidents among young drivers?

(Do not prompt. Check as many as are mentioned)

- Speed Alcohol Lack of control Fatigue
- Lack of attention (other people in vehicle, not watching road, playing with radio, etc.)
- Inability to divide attention (i.e. situation too complex)
- Risky driving behaviour (following too closely)
- Lack of judgment (making turn with insufficient time)
- Night driving
- Other(s): _____

36) For Teenage drivers, what do you think is the **single biggest** contributing factor to vehicle accidents?

- Speed Alcohol Lack of control Fatigue
- Lack of attention (other people in vehicle, not watching road, playing with radio, etc.)
- Inability to divide attention (i.e. situation too complex)
- Risky driving behaviour (following too closely)
- Lack of judgment (making turn with insufficient time)
- Night driving
- Other(s): _____

37) For drivers over age 25, what do you think is the **single biggest** contributing factor to vehicle accidents?

- Speed Alcohol Lack of control Fatigue
- Lack of attention (other people in vehicle, not watching road, playing with radio, etc.)
- Inability to divide attention (i.e. situation too complex)
- Risky driving behaviour (following too closely)
- Lack of judgment (making turn with insufficient time)
- Night driving
- Other(s): _____

38) Please estimate how many hours of driving practice with a licensed adult you think an average young driver should have before he or she can try the Level One Road Test to get a G2 licence (*i.e. being allowed to drive unaccompanied*)? _____ hours

Not sure

Comments:

39) How nervous or worried do you think the following driving situations make [NYD]? 1=very nervous, 2=a little nervous, 3=not nervous at all

	Rating
Driving between close parked cars	
Overtaking another vehicle	
Making a left turn at a traffic light	
Driving at night	
Driving in the rain	
Other: (specify _____)	

SECTION VI: CONVICTIONS / ACCIDENTS

39)

39a) Since receiving their G1 licence, how many times has [NYD] been stopped or ticketed by the police for the following traffic violations? (*Indicate number for each violation*)

- ___ Speeding ___ Failed to stop at stop sign
- ___ Improper turn ___ Run amber light
- ___ Run red light ___ Unsafe passing
- ___ Parking ___ Equipment violations, such as lights, muffler, etc.
- ___ Others

40) Has [NYD] ever had an accident, even a minor one that was not reported, and if so how many?

- No One Two Three Four or more

If "No", go to Q. 42

41) As a driver, how many accidents has [NYD] been involved in where the most severe damage that occurred was: (*If none, enter 0*).

	Number as G1
Fatal or serious injury, such as broken bones, fractures, whiplash, or internal injuries	
Minor injury only, such as scratches or bruises	
Only property damage, but serious (i.e. your car had to be towed)	
Minor property damage only (i.e. fender-bender)	

41a) Thinking about the most recent accident [NYD] was involved in as a driver, and based on your driving knowledge, who was at fault?

- All his/hers Mostly his/hers
- 50-50 Mostly the other driver's
- All the other driver's Don't know

41b) In the most recent accident [NYD] was involved in as a driver, were there passengers in the car with him/her? No Yes. If so how many? _____

41c) What were the circumstances of that accident? (*Check all contributing driver behaviours and driving situations mentioned*)

- Struck another vehicle (parked) Struck another vehicle (moving)

- Struck an object (not another vehicle) Struck a person
- Stuck an animal (i.e. dog, cat) Narrow road
- Backing up Lost control
- Weather conditions Passing
- At intersection Wasn't paying attention
- Poor light conditions / time of day (i.e. sunset)
- Night driving Merging into traffic
- Speed Risky behaviour
- Other: _____

42) Besides [NYD] are there any other young drivers between the ages of 16 and 19 in your household?

42a) Age: Gender:

42b) Is there anything that you have or will do differently from what you did with [NYD]?

Closing Remarks:

Do you have any questions or comments?

Thank you for participating in our study.

APPENDIX I

YOUNG DRIVER G2 QUESTIONNAIRE

Interviewer Initials: _____
Date: _____
Start Time: _____
End Time: _____
Initials of Participant: _____

SECTION I: DEMOGRAPHICS

The first section asks general questions about yourself and, your vehicles.

1) Listen to the following statements, and indicate which classification applies to you:

- Beginner Driver: Has **not yet passed** the G2 road test.
- Intermediate Driver: Has had a G2 class licence for less than 6 months. Is not currently taking a formal driving education program.
- Advanced Driver: Has had a G2 class licence for 12 months or more. Is not currently taking a formal driving education program. Has not yet passed the G road test.
- None of the above (*Instructions: if participant does not fall into one of the categories above, thank them for their time.*)

2) How old are you? 16 17 18 19

3) Gender: Male Female

4) Education:

4a) If you are enrolled in school, at what Grade Level are most of your courses?

10 11 12 OAC Other _____

4b) Are you taking any higher-level courses? No Yes

4c) Comments:

5) Where do you live?

- Urban area with population greater than 5000 (a city or large town)
- Urban area with population less than 5000 (a medium sized town)
- Sub-urban area (a small community or subdivision close to a larger urban area – within 10 km)
- Rural area (more than 10 km distant from nearest urban area)

6)

6a) What type of vehicle do you drive most often? (i.e. sport utility, mini van, truck, 4-door sedan, etc.):

6b) Does this vehicle have a manual or automatic transmission?

6c) What safety features does this vehicle have? (*check as mentioned, do not prompt*)

ABS brakes Air bags Seatbelts Others: _____

6d) Do you drive any other vehicles for the purpose of practice or instruction? No Yes

6e) If yes, indicate the type of vehicle(s), the transmission type, and the safety features of each

7) When driving, how often do you wear a seatbelt?

- Never
- Less than half of the time
- More than half of the time
- Always

SECTION II: DRIVING EXPERIENCE

8) **Prior to getting your G1 licence**, did you have experience driving motorized vehicles (*i.e. car, motorized boat, dirt bike, 4 wheel vehicle, snowmobile, farm vehicle, etc.*)?

- No
- Yes (Specify) _____

9) The first few hours you drove a vehicle after getting your G1 licence, where did you go to practice? (check most applicable):

- Driveway Parking lot Rural road Main city street
 Urban residential street Highway

Other: _____

10)

10a) How many months did you hold a G1 licence before taking and passing the Level One Road Test? _____ months.

10b) During your G1, approximately how many hours per month on average would you say you have driven with an adult, other than a driving instructor? _____ hours/month.

10c) On average, how frequently did you practice during your G1? (i.e. 4 times/week)

10d) Were there months during this time period where you practised very little or not at all? No Yes

If yes, why?

10e) Did you pass the Level One Road Test on the first, second or third attempt?

11) While you held your G1 licence, how often did you drive: (please check one box per question)

	Every day	Several times a week	Once a week	> once a month	< once a month	Never / Almost never
To and from school?						
For shopping/social or sporting events?						
For fun or something to do?						
During rush hours?						
On highways or freeways?						
On long trips > 100 km						

12)

12a) While holding a G1 licence, who are the people who acted as your accompanying licensed driver, sitting in the front passenger seat?

- Mother
- Step-parent/guardian
- Father
- Friend (age: _____)
- Older Sibling (age: _____)
- Licensed driving instructor
- Other Relative (specify) _____
- Other: _____

12b) Who provided you with the **most** instruction?

- Mother
- Step-parent/guardian
- Father
- Friend (age: _____)
- Older Sibling (age: _____)
- Licensed driving instructor
- Other Relative (specify) _____
- Other: _____

13) While holding a G1 licence, did you ever drive without an accompanying licensed driver?

- No
- Yes

13a) If yes, how many times? _____

13b) Were passengers (not licensed drivers) in the vehicle with you? No Yes, How many?

13c) Did your parent/guardian know that you were unaccompanied? No Yes

13d) If yes, describe the situation (e.g. Why did you drive without a licensed driver; and if your parent/guardian didn't know, why not?)

14)

14a) How long, in months, have you held your G2 licence? _____ months

14b) During your G2, approximately how many hours per month on average would you say you have driven with an adult? _____ hours/month.

14c) On average, how frequently have you driven during your G2? (i.e. 4 times/week)

14d) How often have you driven with an adult licensed driver?

Never, Less than half of the time, More than half of the time, or Always

14e) Have there been months during this time period where you have driven very little or not at all?

No Yes

14f) Have you taken the Level Two Road Test to obtain your G licence and not passed? No

Yes

15) Since obtaining your G2 licence,

15a) How often do you drive with someone your age or younger without an adult licensed driver in the car?

Never, Less than half of the time, More than half of the time, or Always

15b) What is the most number of passengers you have had in a vehicle with you while you were driving without an adult licensed driver in the car? _____

15c) How often do your parents/guardians know how many passengers are in the vehicle with you?

Never, Less than half of the time, More than half of the time, or Always

15d) If your parent/guardian doesn't always know, why not?

16) As an intermediate / advanced level driver, are there any situations that you are not comfortable driving in?

17) Since getting your G2 licence, how often do you drive: (please check one box per question)

	Every day	Several times a week	Once a week	> once a month	< once a month	Never / Almost never
To and from school?						
For shopping/social or sporting events?						
For fun or something to do?						
During rush hours?						
On highways or freeways?						
On long trips >100 km						

18) We are interested in the kinds of driving experiences you have already had. For each of the following driving situations, please tell me whether you have experienced that type of driving, and if yes was it with an accompanying licensed adult or when driving on your own with no other licensed drivers in the vehicle.

	No	Adult licensed driver in vehicle with you	You were only licensed driver in vehicle
On a busy street with traffic signals where you made left turns		<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
On a rural highway where you had to overtake another vehicle		<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
On a freeway during rush hours		<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
On wet or slippery roads		<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
During heavy rain, snow or fog		<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes
After dark		<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Yes

- 19) Are there any driving situations that your parents do not want you to drive in, and if yes, have you driven in any of these situations without your parents' knowledge?

Situation	Parents Aware?
	<input type="checkbox"/> No <input type="checkbox"/> Yes
	<input type="checkbox"/> No <input type="checkbox"/> Yes
	<input type="checkbox"/> No <input type="checkbox"/> Yes
	<input type="checkbox"/> No <input type="checkbox"/> Yes

- 20) Are there any groups or individuals that your parents do not allow you to drive with? No
 Yes, Who? _____

SECTION III: DRIVING EDUCATION RECEIVED

The next group of questions is more specific to the kinds of driving instruction you have received, including what you may have received from parents and formal driving instructors.

- 21) When accompanied by your parent(s) or guardian (who is not a licensed driving instructor), what instructions did they give you? (*check instructions mentioned, do not prompt*)

- | | | |
|--|--|--|
| <input type="checkbox"/> Shoulder checks | <input type="checkbox"/> Mirror checks | <input type="checkbox"/> Speed up |
| <input type="checkbox"/> Slow down | <input type="checkbox"/> Brake evenly | <input type="checkbox"/> Watch for pedestrian(s) |
| <input type="checkbox"/> Pay attention | | |

Others:

- 22) In your last drive with a parent or guardian, approximately how frequently did they give you verbal instructions (e.g. several times per minute)?

Number/time period: _____ Not sure

23) While driving with your parent or guardian, did they give you instructions about: (ask yes/no/don't know or remember for each question)

23a) What to do at a:

4 way stop Yes No Don't know or don't remember

Pedestrian crosswalk Yes No Don't know or don't remember

Flashing red or amber traffic signal light
 Yes No Don't know or don't remember

Advance green light for left turns Yes No Don't know or don't remember

23b) How to:

Make left turns Yes No Don't know or don't remember

Merge into high speed traffic Yes No Don't know or don't remember

Control a vehicle in tight curves Yes No Don't know or don't remember

Control skids Yes No Don't know or don't remember

Brake or slow during wet or slippery conditions
 Yes No Don't know or don't remember

Pass slower moving vehicles on a highway
 Yes No Don't know or don't remember

Back up (out of driveway or parking space)
 Yes No Don't know or don't remember

Make lane changes on multi-lane highways or expressways
 Yes No Don't know or don't remember

23c) Have you practised anything else? _____

24) Listen to the following statement: "The driving instruction I received from my parent / guardian who was not a licensed driving instructor helped me to drive better." Please indicate if you:

Strongly agree Agree Undecided Disagree Strongly disagree

Training received in a formal course

25)

25a) Did you take a Driving Education Course? No Yes (if no, go to Q. 33)

25b) If yes, how many hours of in-car instruction did you receive? _____ hours Not sure

25c) Do you think the amount of time spent in in-car instruction was adequate?

More required Just right Less required Not sure

25d) If the amount of time spent in in-car instruction was not adequate, how many more hours of in-car instruction do you think you should have received? _____ hours

Not sure

26) Approximately how many hours of driving experience did you have, between getting your G1 licence and beginning the drivers' education course? _____ hours.

27) Why did you take a formal driving education course?

Would learn to drive better Can get G2 faster Parents insisted

Insurance is reduced Other: _____

28) While driving with your licensed driving instructor, did you practice: (ask yes/no for each question)

28a) What to do at a:

4 way stop Yes No Don't know or don't remember

Pedestrian crosswalk Yes No Don't know or don't remember

Flashing red or amber traffic signal light Yes No Don't know or don't remember

Advance green light for left turn Yes No Don't know or don't remember

28b) How to:

Make left turns Merge into high speed traffic

Control a vehicle in tight curves Control skids

Brake or slow during wet or slippery conditions

Pass slower moving vehicles on a highway Back up (out of driveway or parking space)

Make lane changes on multi-lane highways or expressways

28c) Did you practice anything else? _____

- 29) While driving with your licensed driving instructor, did you discuss how to anticipate hazards and avoid accidents? ? No Yes
- 30) Did the formal driving education course cover any other special topics or situations that you have not learned from your parent(s) or another adult?
-
-

- 31) Listen to the following statement: "The driving education course will help me to drive better" Please indicate if you:
- Strongly agree Agree Undecided Disagree Strongly disagree

SECTION IV: SKILL LEVEL/RISK TAKING

The next set of questions has to do with your skill as a driver.

- 32) **Please estimate how skillful you are in each of the following aspects of driving, compared to drivers over 25. Rating your skill level on a scale from 1 to 5. The numbers mean:**

1 = well below average 2 = below average 3 = average 4 = above average 5 = well above average

	Level
Anticipating hazards	
Obeying the traffic rules	
Preventing a skid	
Smooth lane-changing in heavy traffic	
Fast reactions	
Driving in the dark	
Passing on a 2-lane road	
Driving around sharp curves	
Driving on slippery roads	
Overall skill level	

- 33) What factors do you feel contribute to motor vehicle accidents among young drivers? (**Do not prompt. Check as many as are mentioned**):
- Speed Alcohol Lack of control Fatigue
- Lack of attention (other people in vehicle, not watching road, etc.)
- Inability to divide attention (i.e. situation too complex)
- Risky driving behaviour (following too closely)

- Lack of judgment (making turn with insufficient time)
- Night driving
- Other(s): _____

34) For each of the following age groups, what do you think is the **single biggest** contributing factor to vehicle accidents?

34a) Teenage drivers:

- Speed Alcohol Lack of control Fatigue
- Lack of attention (other people in vehicle, not watching road, etc.)
- Inability to divide attention (i.e. situation too complex)
- Risky driving behaviour (following too closely)
- Lack of judgment (making turn with insufficient time)
- Night driving
- Other(s): _____

34b) Drivers over age 25:

- Speed Alcohol Lack of control Fatigue
- Lack of attention (other people in vehicle, not watching road, etc.)
- Inability to divide attention (i.e. situation too complex)
- Risky driving behaviour (following too closely)
- Lack of judgment (making turn with insufficient time)
- Night driving
- Other(s): _____

35) Thinking about your own driving, how likely are you to do the following:

	Not likely	Somewhat likely	VERY LIKELY	DEPENDS
Talk on a cell phone while driving				
Drive when tired				
Drive after drinking (even one drink)				
Drive more than 10km/hour over the speed limit				
Drive more than 30km/hour over the speed limit				
Follow another car closely at high speeds				
Make a lane change without checking blind spots				
Make a left turn without leaving much distance between self and on-coming car				

36) How nervous or worried do the following driving situations make you? 1=very nervous, 2=a little nervous, 3=not nervous at all

	Rating
Driving between close parked cars	
Overtaking another vehicle	
Making a left turn at a traffic light in heavy traffic	
Driving at night	
Driving in the rain	
Other: (specify _____)	

SECTION V: CONVICTIONS / ACCIDENTS

37) Since receiving your G1 licence, how many times have you been stopped or ticketed by the police? (Check each violation and number for each)

- Speeding Failed to stop at stop sign
- Improper turn Run amber light
- Run red light Unsafe passing
- Parking Equipment violations, such as lights, muffler, etc.
- Others

38) Have you ever had an accident, even a minor one that was not reported, if so how many?

- No (go to Q 50) One Two Three Four or more

39) When you were driving, how many accidents have you been involved in where the most severe damage that occurred was: (If none, enter 0)

	Number
Fatal or serious injury, such as broken bones, fractures, whiplash, or internal injuries	
Minor injury only, such as scratches or bruises	
Only property damage, but serious (i.e. your car had to be towed)	
Minor property damage only (i.e. fender-bender)	

40) Thinking about your most recent accident and based on your current driving knowledge, who was at fault?

- All mine Mostly mine 50-50
- Mostly the other drivers All the other drivers Don't know

41) In your most recent accident, did you have passengers in your car?

- No Yes, If so how many? _____

42) What were the circumstances of that accident? (*Check all behaviours and driving situations mentioned*)

- Struck another vehicle (parked) Struck another vehicle (moving)
- Struck an object (not another vehicle) Struck a person
- Struck an animal (i.e. dog, cat) Narrow road
- Backing up Lost control
- Weather conditions Passing
- At intersection Wasn't paying attention
- Poor light conditions / time of day (i.e. sunset)
- Night driving Merging into traffic
- Speed Risky behaviour

Other: _____

To finish up, I would like to ask you two final questions:

43) Please estimate how many hours of driving practice with an adult you think the average young driver should have before he or she can try the Level One Road Test to get a G2 licence (*i.e. being allowed to drive unaccompanied*)? Hours: _____ Not sure

Comments:

44) How much practice time do you feel you needed **in addition to** the formal driving training program before reaching the G2 level and driving unaccompanied? Number: _____ hours Not sure

Comments:

Closing Remarks:

Do you have any questions you would like to ask, or comments you would like to make about this study?

Thank you for participating in our study.

APPENDIX J
PARENT OF YOUNG DRIVER G2 QUESTIONNAIRE

Interviewer Initials: _____

Date: _____

Start Time: _____

End Time: _____

Parent last name: _____

Name of Young Driver interviewed: _____

SECTION I: DEMOGRAPHICS

The first section asks general questions about you.

1)

1a) Who has provided NYD (new young driver) with in-car driving instruction, practised with him/her, or acted as the required accompanying licensed driver?

Yourself Spouse Both Other _____ *(note, if other, thank subject for time. if Both, ask question 1b).*

1b) Who provided the most in-car driving instruction, you or your spouse? (Note: the parent being interviewed should be the one who provided the most instruction).

Yourself Spouse

2) Are you 30-40 41-50 or >50 years of age?

3) Gender: Male Female

4) What is your highest level of education?

Completed Grade 8 Some university or college
 Some high school Completed university or college
 High school graduate Other: _____

5) Where do you live?

Urban area with population greater than 5000 (a city or large town)
 Urban area with population less than 5000 (a medium sized town)
 Sub-urban area (a small community or subdivision close to a larger urban area – within 10 km)

Rural area (more than 10 km distant from nearest urban area)

SECTION II: YOUNG DRIVER BACKGROUND AND DRIVING EXPERIENCE

Now I am going to ask you about [NYD]'s driving experience and the education he/she has received.

Refer to Teen questionnaire:

Data code:

Driver # _____ Name: _____

Gender: Male Female

Age: _____

Licence classification: Beginner Intermediate Advanced

6)

6a) What type of vehicle does [Name of YD] currently drive most often? (e.g. passenger vehicle, sport utility, etc.): _____

6b) Does this vehicle have a manual or automatic transmission?

6c) What safety features does this vehicle have? (check as mentioned, do not prompt)

ABS brakes Air bags Seatbelts Others: _____

6d) Has [NYD] driven any other vehicles for the purpose of practice or instruction?

No Yes, If yes, indicate the type of vehicle(s), the transmission type, and the safety features of each:

7) When driving, how often does [NYD] wear a seatbelt?

Never Less than half of the More than half of the Always
time time

8) What is [NYD]'s current licence status, and how long has he/she held this G2 for:

_____ months Not sure (**check for parent knowledge of licensing level**)

9) **Prior to getting his/her G1 licence**, did [NYD] have experience driving other motorized vehicles (i.e. car, motorized boat, dirt bike, 4 wheel vehicle, snowmobile, farm vehicle, etc.)?

No Yes (Specify) _____

14) Where did [NYD] go to practice for the first few hours after getting his/her G1 licence? (check most applicable):

Driveway Parking lot Rural road Main city street
 Highway Urban residential street Other:(describe): _____

15) We are interested in the kinds of driving experiences [NYD] may have already had. For each of the following driving situations, please tell me whether you think [NYD] has experienced that type of driving, and if yes, were you aware of it **at the time?**

	No	Yes	Aware at time?
On a busy street with traffic signals where they made left turns			<input type="checkbox"/> No <input type="checkbox"/> Yes
On a rural highway where they had to overtake another vehicle			<input type="checkbox"/> No <input type="checkbox"/> Yes
On a freeway during rush hours			<input type="checkbox"/> No <input type="checkbox"/> Yes
On wet or slippery roads			<input type="checkbox"/> No <input type="checkbox"/> Yes
During heavy rain, snow or fog			<input type="checkbox"/> No <input type="checkbox"/> Yes
After dark			<input type="checkbox"/> No <input type="checkbox"/> Yes

16) Are there any driving situations that you do not want [NYD] to drive in, and if yes, to your knowledge, has he/she ever driven in any of these situations without your permission?

Situation	Done anyway without permission?
	<input type="checkbox"/> No <input type="checkbox"/> Yes
	<input type="checkbox"/> No <input type="checkbox"/> Yes
	<input type="checkbox"/> No <input type="checkbox"/> Yes
	<input type="checkbox"/> No <input type="checkbox"/> Yes

17) Are there any groups or individuals that you do not allow [NYD] to drive with? No Yes, Who? _____

18)

18a) Since obtaining a G2 licence, approximately how many hours per month on average would you say [NYD] has practised with an adult who was giving instructions even occasionally? _____ hours/month.

18b) On average, how frequently has he/she driven during this time period? (e.g. 4 times/week) _____

18c) Have there been months during this time period where he/she have practised very little or not at all? No Yes

Comments: _____

18d) How often does [NYD] drive with someone his/her age or younger without an adult licensed driver in the car?

Never, Less than half of the time, More than half of the time, or Always

18e) What is the most number of passengers that you know of that [NYD] has had in a vehicle with them while they were driving without an adult licensed driver in the car?

18f) Has [NYD] taken the Level Two Road Test to obtain a G licence and not passed? No

Yes

19) Since getting his/her G2 licence, how often does [NYD] drive: *(please check one box per question)*

	Every day	Several times a week	Once a week	> once a month	< once a month	Never / Almost never
To and from school?						
For shopping/social or sporting events?						
For fun or something to do?						
During rush hours?						
On highways or freeways?						
On long trips >100 km						

20) To your knowledge, are there any situations that [NYD] does not feel comfortable driving in as a G2 driver?

SECTION III: PARENT/ADULT INVOLVEMENT IN YOUNG DRIVERS DRIVING EDUCATION

The next group of questions is more specific to the kinds of driving instruction you have provided to your young driver.

23) Since [NYD] obtained a G2 licence, do you continue to give him / her instructions frequently , occasionally , or infrequently ?

24) While driving with [NYD] since they obtained their G2 licence, what instructions have **you** given? (*check instructions given. do not prompt*).

- Shoulder checks
- Slow down
- Watch for pedestrian(s)
- Mirror checks
- Brake evenly
- Pay attention
- Speed up

Others:

25) In your **last** drive with [NYD], approximately how frequently did **you** give verbal instructions (e.g. twice in an hour)? _____ / _____ Not sure

26) While driving with [NYD] since they obtained a G2 licence, have you practised: (*ask yes/no for each question*)

26a) What to do at a:

4 way stop Yes No Don't know / don't remember

Pedestrian crosswalk Yes No Don't know / don't remember

Flashing red or flashing amber overhead traffic signal Yes No Don't know / don't remember

Advance green light for left turns Yes No Don't know / don't remember

26b) How to:

Make left turns Yes No Don't know / don't remember

Merge into high speed traffic Yes No Don't know / don't remember

Control a vehicle in tight curves Yes No Don't know / don't remember

Control skids Yes No Don't know / don't remember

Brake or slow during wet or slippery conditions

Yes No Don't know / don't remember

Pass slower moving vehicles on a highway

Yes No Don't know / don't remember

Back up (out of driveway or parking space)

Yes No Don't know / don't remember

Make lane changes on multi-lane highways or expressways

Yes No Don't know / don't remember

27) Since [NYD] obtained a G2 licence have you instructed him/her in any other driving tasks?

28) Since [NYD] obtained a G2 licence have you discussed how to anticipate hazards and avoid accidents? No Yes

SECTION IV: KNOWLEDGE OF TYPICAL CONTENT OF FORMAL DRIVING EDUCATION PROGRAMS

The next group of questions is more specific to the kinds of driving instruction your young driver is receiving or has received from a formal driving education course.

27)

27a) Did [NYD] take a formal driving education course? No Yes

27b) If yes, why?

Learn to drive better Get G2 faster You/spouse insisted
 Insurance is reduced Other: _____

28) Would you rate your knowledge of the drivers education program attended by your young drivers as:

High Medium Low

29) Listen to the following statement: "Driving education provides all the instruction and practice time needed to learn to drive safely." Please indicate if you:

Strongly agree Agree Undecided Disagree Strongly disagree

33) Listen to the following statement: "My contribution to my young driver's learning to drive was much more important , more important , as important , less important , or much less important than that of his/her driving education instructor.

34) Indicate the main things your young driver has learned/will learn in drivers education that they did not learn from you or another adult who is not a licensed driving instructor:

_____	_____
_____	_____
_____	_____

34a) Is the on-road component of the Driving Education Course attended by your [NYD]

in progress or complete?

34b) Overall, how many hours of in-car instruction does this course provide? ____ hours Not sure

34c) Do you think the amount of time spent in in-car instruction adequate?

More required Just right Less required Not sure

34d) If the amount of time spent in in-car instruction is not adequate, how many hours of in-car instruction do you think is adequate? _____ hours Not sure

35) "How much practice time do you feel [NYD] needed **in addition to** the formal driving training program before reaching the G2 level and driving unaccompanied?" _____ hours Not sure

Comments:

36) While driving with a licensed driving instructor, has [NYD] practised: (*ask yes/no for each question*)

36a) **What to do at a:**

4 way stop Yes No Don't know / don't remember

Pedestrian crosswalk Yes No Don't know / don't remember

Flashing red or flashing amber overhead traffic signal
 Yes No Don't know / don't remember

Advance green light for left turns Yes No Don't know / don't remember

How to:

Merge into high speed traffic Yes No Don't know / don't remember

Control a vehicle in tight curves Yes No Don't know / don't remember

Control skids Yes No Don't know / don't remember

Brake or slow during wet or slippery conditions
 Yes No Don't know / don't remember

Pass slower moving vehicles on a highway

Yes No Don't know / don't remember

Back up (out of driveway or parking space)

Yes No Don't know / don't remember

Make lane changes on multi-lane highways or expressways

Yes No Don't know / don't remember

36b) Have they practised anything else? _____

37) While driving with [NYD], has a licensed driving instructor discussed how to anticipate hazards and avoid accidents? No Yes

SECTION V: SKILL LEVEL/RISK TAKING

38) The next set of questions have to do with [NYD]'s skill as a driver. Please estimate how skilful you think [NYD] is in each of the following aspects of driving compared to drivers over 25 by rating the skill level on a scale from 1 to 5. The numbers mean:

1 = well below average 2 = below average 3 = average 4 = above average 5 = well above average

	Level
Anticipating hazards	
Obeying the traffic rules	
Preventing a skid	
Smooth lane-changing in heavy traffic	
Fast reactions	
Driving in the dark	
Passing on a 2-lane road	
Driving around sharp curves	
Driving on slippery roads	
Overall skill level	

39) Thinking about [NYD]'s driving habits, how likely is he/she to:

	Not likely	Somewhat likely	Very likely	Depends
Talk on a cell phone while driving				
Drive when tired				
Drive after drinking (even one drink)				
Drive more than 10km/hour over the speed limit				
Drive more than 30km/hour over the speed limit				
Follow another car too closely				
Make a lane change without checking blind spots				
Make a left turn without leaving much distance between self and on-coming car				

40) What factors do you feel contribute to motor vehicle accidents among young drivers?

(Do not prompt. Check as many as are mentioned)

- Speed Alcohol Lack of control Fatigue
- Lack of attention (other people in vehicle, not watching road, playing with radio, etc.)
- Inability to divide attention (i.e. situation too complex)
- Risky driving behaviour (following too closely)
- Lack of judgment (making turn with insufficient time)
- Night driving
- Other(s): _____

41) For teenage drivers, what do you think is the **single biggest** contributing factor to vehicle accidents?

- Speed Alcohol Lack of control Fatigue
- Lack of attention (other people in vehicle, not watching road, playing with radio, etc.)
- Inability to divide attention (i.e. situation too complex)
- Risky driving behaviour (following too closely)
- Lack of judgment (making turn with insufficient time)
- Night driving
- Other(s): _____

42) For drivers over age 25, what do you think is the **single biggest** contributing factor to vehicle accidents?

- Speed Alcohol Lack of control Fatigue
- Lack of attention (other people in vehicle, not watching road, playing with radio, etc.)
- Inability to divide attention (i.e. situation too complex)
- Risky driving behaviour (following too closely)
- Lack of judgment (making turn with insufficient time)
- Night driving
- Other(s): _____

43) Please estimate how many hours of driving practice with a licensed adult you think an average young driver should have before he or she can try the Level One Road Test to get a G2 licence (*i.e. being allowed to drive unaccompanied*)? _____ hours

- Not sure

Comments:

44) How nervous or worried do you think the following driving situations make [NYD]? 1=very nervous, 2=a little nervous, 3=not nervous at all

	Rating
Driving between close parked cars	
Overtaking another vehicle	
Making a left turn at a traffic light	
Driving at night	
Driving in the rain	
Other: (specify _____)	

SECTION VI: CONVICTIONS / ACCIDENTS

43)

43a) Since receiving their G1 licence, how many times has [NYD] been stopped or ticketed by the police for the following traffic violations? (*Indicate number for each violation*)

- ___ Speeding ___ Failed to stop at stop sign
- ___ Improper turn ___ Run amber light
- ___ Run red light ___ Unsafe passing
- ___ Parking ___ Equipment violations, such as lights, muffler, etc.
- ___ Others

43b) Did this occur when [NYD] held a G1 or G2 licence ?

44) Has [NYD] ever had an accident, even a minor one that was not reported, and if so how many?

- No One Two Three Four or more

If "No", go to Q. 42

45) As a driver, how many accidents has [NYD] been involved in where the most severe damage that occurred was: *(If none, enter 0)*.

	Number as G1	Number as G2
Fatal or serious injury, such as broken bones, fractures, whiplash, or internal injuries		
Minor injury only, such as scratches or bruises		
Only property damage, but serious (i.e. your car had to be towed)		
Minor property damage only (i.e. fender-bender)		

45a) Thinking about the most recent accident [NYD] was involved in as a driver, and based on your driving knowledge, who was at fault?

- All his/hers
- Mostly his/hers
- 50-50
- Mostly the other driver's
- All the other driver's
- Don't know

45b) In the most recent accident [NYD] was involved in as a driver, were there passengers in the car with him/her? No Yes. If so how many? _____

45c) What were the circumstances of that accident? *(Check all contributing driver behaviours and driving situations mentioned)*

- Struck another vehicle (parked)
- Struck another vehicle (moving)
- Struck an object (not another vehicle)
- Struck a person
- Struck an animal (i.e. dog, cat)
- Narrow road
- Backing up
- Lost control
- Weather conditions
- Passing
- At intersection
- Wasn't paying attention
- Poor light conditions / time of day (i.e. sunset)
- Night driving
- Merging into traffic
- Speed
- Risky behaviour
- Other: _____

45d) Did this accident occur when [NYD] held a G1 or G2 licence ?

46) Besides [NYD] are there any other young drivers between the ages of 16 and 19 in your household?

46a) Age:

Gender:

46b) Is there anything that you have or will do differently from what you did with [NYD]?

Closing Remarks:

Do you have any questions or comments?

Thank you for participating in our study.