

Teenage Driving Patterns in NC: Pre- and Post-GDL

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Purpose

- Measure & describe characteristics of teen driving exposure in North Carolina before & after GDL



Data set

- Parent and teen (15-18 yrs) interviews (2,600 pairs total)
- Conducted in May: 1998, 2000, 2001
- Multi-stage cluster sample
- 70% response rate
- Self-report trip data
- 24-hr trip period (all days of week)
- Pre- and Post- GDL licensees



License Types in Dataset

- Pre-GDL: No restrictions
- Level 1: Supervision required
- Level 2: 9 pm - 5 am restriction
- Level 3: No restrictions



Measures of Driving Exposure

Base Measures:

- Distance (miles per trip)
- Duration (minutes per trip)
- Trip count (4,991 teen driver car trips)

Other Characteristics of Exposure:

- Passenger conditions
- Day vs night
- Weekday vs weekend
- Destination/purpose



Basic Exposure – Trips Yesterday

	Pre-GDL (1,671)	GDL 1 (758)	GDL 2 (930)	GDL 3 (1,537)
Median trip dist (mi)	6	5	5	5
Median trip dur (min)	10	10	10	10
Mean # of trips pp	5.10	2.70	5.09	5.25
% night trips	16%	8%	9%	18%
% weekend trips	24%	34%	29%	28%



Passengers of Teens by License Type

	Pre-GDL (1,671)	GDL 1 (758)	GDL 2 (930)	GDL 3 (1,537)
No passenger	57%	2%	58%	63%
1 teen only	24	2	21	20
2+ teens only	8	3	7	7
1 adult only	6	52	5	4
Other	6	41	9	6



Trip Destination

	Pre-GDL (1,671)	GDL 1 (758)	GDL 2 (930)	GDL 3 (1,537)
Home	37%	36%	33%	35%
Social/recreation	31	24	34	33
Shop/errands	12	26	17	13
Work	10	4	8	11
School	9	3	6	5
Other	2	7	3	4



Discussion

- Post-GDL driving amounts and patterns highly similar to pre-GDL
- But ... less time to age 18
 - Probably less total driving
- Limited opportunity to study this issue in future (e.g., obtain pre-GDL data)
- Will be examined in Kansas