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## The First Year of Driving – Can IVDR and Parental Involvement make it Safer?

<http://amonline.trb.org/2vcq9h/2vcq9h/>

Haneen Farah, Ph.D. <sup>1</sup>  
Ran Naor Road Safety Research Center, Technion - Israel Institute of Technology  
Tel: +972 4 656 2346; Fax: +972 4 656 2346.  
E-mail: [fhaneen@technion.ac.il](mailto:fhaneen@technion.ac.il)

Oren Musicant, Ph.D.  
Department of Statistics and Operations Research, Tel-Aviv University, Israel  
Tel: +972 3 744 8641; Fax: +972 3 640 9357  
Email: [musicant.oren@gmail.com](mailto:musicant.oren@gmail.com)

Yaara Shimshoni  
School of Psychological Sciences, Tel-Aviv University, Israel  
Email: [yaarashimshoni@gmail.com](mailto:yaarashimshoni@gmail.com)

Tomer Toledo, Ph.D.  
Faculty of Civil & Environmental Engineering, Technion  
Tel: +972 4 829 3080; Fax: +972 4 829 5708  
Email: [toledo@technion.ac.il](mailto:toledo@technion.ac.il)

Einat Grimberg  
Or Yarok, 22 Hanagar St., Hod Hasharon 45240, Israel  
Tel: +972 9 777 6181; Fax: +972 9 777 6160  
Email: [einatg@oryarok.org.il](mailto:einatg@oryarok.org.il)

Haim Omer, Ph.D.  
School of Psychological Sciences, Tel-Aviv University, Israel  
Email: [haimomer2@gmail.com](mailto:haimomer2@gmail.com)

Tsippy Lotan, Ph.D.  
Or Yarok, 22 Hanagar St., Hod Hasharon 45240, Israel  
Tel: +972 9 777 6184; Fax: +972 9 777 6160  
Email: [tsippy@oryarok.org.il](mailto:tsippy@oryarok.org.il)

Paper submitted for the 92<sup>nd</sup> Annual Meeting of the Transportation Research Board,  
January 2013, Washington D.C.  
Submission date: July 28, 2012  
Word count: 5,215 (text) + 7× 250 (figures and tables) = 6,965

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<sup>1</sup> Corresponding author. Tel.: +972 4 6562346; Fax: +972 4 6562346.  
E-mail address: [fhaneen@technion.ac.il](mailto:fhaneen@technion.ac.il)

## 1 ABSTRACT

2 This study examines the impact of providing feedback and of parental monitoring on  
3 the safety performance of young male drivers during their first year of driving.

4 The research utilizes an In Vehicle Data Recorder (IVDR), which documents  
5 events of extreme G-forces measured in the vehicle that participate in the  
6 experiment. 242 families of young male drivers participated in the research.  
7 Participants were randomly allocated into 4 groups: (1) Family Feedback No  
8 Guidance, in which all the members of the family were exposed to feedback on their  
9 own driving and on that of the other family member; (2) Family Feedback Parental  
10 Guidance, in which in addition to the family feedback, parents received personal  
11 guidance on ways to enhance their involvement and monitoring of their sons' driving;  
12 (3) Individual Feedback No Guidance, in which family members received feedback  
13 only on their own driving behavior (and were not exposed to the data on other family  
14 members); (4) Control group that received no feedback at all.

15 The IVDR was installed in the family car for a period of 12 months, starting  
16 from the time the young driver received his driver's license. This period includes the  
17 initial three months of the accompanied driving phase and 9 months of independent  
18 driving.

19 The results indicate substantial differences in behavior between drivers that  
20 receive feedback and those that do not and for drivers in families that receive  
21 guidance on parental involvement.

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