

# Reducing Road Deaths among Young Drivers in Germany

## PIN – event Prague

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Chamber of Deputies, Parliament of the Czech  
Republic

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A photograph of a man and a woman inside a car. The man is in the driver's seat, wearing glasses and a dark jacket, looking forward. The woman is in the passenger seat, wearing a denim jacket and a watch, looking towards the driver. The background shows green foliage through the car window.

## Agenda

**Novice drivers in the probationary period: more safety through an extended learning period**

**Zero alcohol tolerance law for novice drivers**

## YOUNG PEOPLES RISK in TRAFFIC 2020

Young people between 18 and 24 years still have the highest risk of being involved in a road traffic accident in Germany.

**7,5 %**

of total population

**12 %**

of fatalities (326 killed persons) -  
like three crashes of an Airbus 319

**15,5 %**

of injured (50.210 persons)

Source: Federal Statistic Office, Traffic Accident Statistics

## YOUNG and NOVICE DRIVERS

Lack of driving  
experience

Lack of drinking  
experience

SPEED

OVERTAKING  
MANOEUVRES

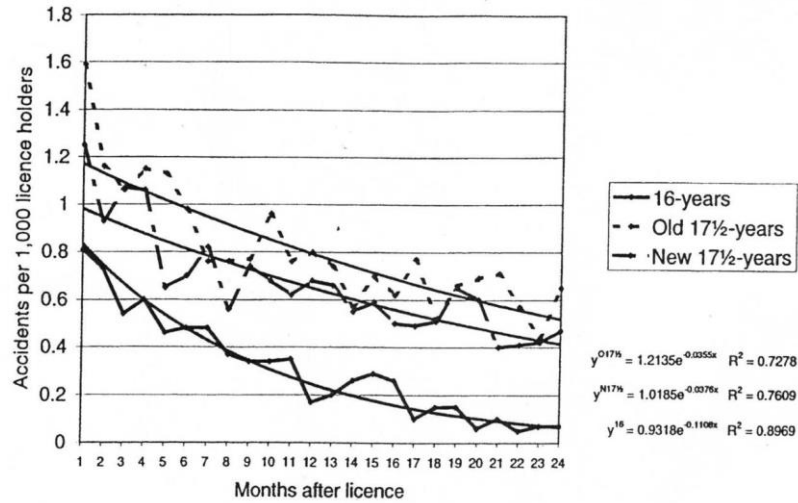
OVERESTIMATION

DISTRACTION

PEER PRESSURE

## BF 17 – A MODEL OF SUCCESS

N.P. Gregersen et al. / Accident Analysis and Prevention 32 (2000) 25–35



## EXTENSION OF THE LEARNING PROCESS including BF 17



**Pilot startet in April 2004**

**Nationwide introduction Januar 2011**

## EVALUATION

**19% less accident involvement in the first year of driving a car alone**

**18% less traffic violations in the first year of driving a car alone**

Source: Schade & Heinzmann 2011, BAST-Report M 218

## INFORMATION ABOUT BF17

The screenshot shows the website [bf17.de/media/bf17-auf-einen-blick.html](http://bf17.de/media/bf17-auf-einen-blick.html). The main header features the logo "bf17 Fröherschein" in a stylized green and orange font. Below the header is a navigation menu with the following items: STARTSEITE, BF17 IN AKTION, DAS IST BF17, TIPPS FÜR DIE PRAXIS, SERVICE, and MEDIA. A language selector shows "Deutsch | English".

The breadcrumb trail reads: "Sie befinden sich hier: Startseite > Media > BF17 auf einen Blick".

The main content area is titled "BF17 AUF EINEN BLICK" and features a large photograph of a man and a woman sitting in the front seats of a car. Below the photo, the text reads: "BF17: Mehr Erfahrung für mehr Sicherheit".

Below the main article is a section for "FOLGE UNS:" with icons for Facebook, Instagram, and YouTube.

On the right side of the page, there is a search bar with the text "Suche" and a magnifying glass icon. Below it is a section titled "VERWANDTE ARTIKEL" with two sub-articles: "Hintergrund" and "Rechtliche Aspekte".

The background of the website is decorated with colorful graphics, including a purple car, a soccer ball, and various icons.

[www.bf17.de](http://www.bf17.de)  
– Facebook  
– Instagram



## CONCLUSIONS

- **BF 1 has shown to be successful and to contribute to the reduction of accidents and casualties among young novice drivers**
- **DVR wishes to extend the BF17 scheme to BF 16**
- **DVR asks for BF 17 also for class C and C1**

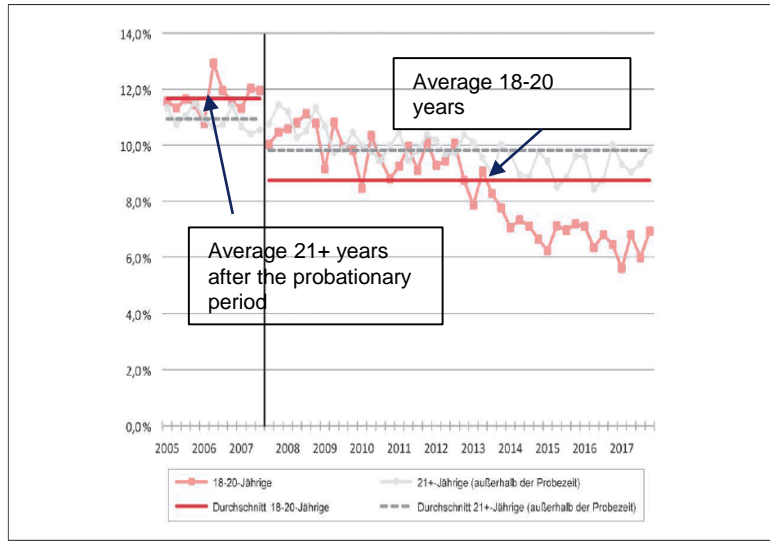
## INTRODUCTION AND FIRST EVALUATION OF THE ZERO ALCOHOL LAW FOR NOVICE DRIVERS

- Introduction of the zero tolerance law for novice drivers on 1<sup>st</sup> August 2007
  - for novice drivers in the probationary period (2 years)
  - for novice drivers below 21 years of age
- Results of the 1<sup>st</sup> evaluation done in 2010 by the Federal Highway Research Institute BASt
  - Reduction of alcohol-related accidents by -15%
  - Reduction of alcohol-related offences by - 17%
  - High acceptance among the target group

## RE-EVALUATION in 2018

- Maintenance of the methodology of the 1st evaluation.
- Investigation of the long-term effect and assessment whether the law had a socialising effect regarding young vehicle drivers towards drink-driving.
  - Analysis of accident data
  - Analysis of DUI-alcohol offences
  - Survey related to acceptance and behavioural intentions

## RESULTS (1)



- Significant reduction of the proportion of novice drivers involved in accidents before: 11,7% after: 8,7%
- Reduction of drivers involved in accidents among 21+ years old drivers who passed the probationary period under the influence of alcohol

Proportion of car drivers under alcohol-influence compared to all car drivers who caused accidents per quarter year periods 2005-2018

## RESULTS (2)

	< 21 years	≥ 21 years
<b>Alcohol-related administrative traffic offence 2016 vs. 2007/08</b>	<b>-71,4%</b>	<b>-39,6 %</b>
<b>Alcohol-related criminal traffic-offence 2016 vs. 2007/08</b>	<b>-62,5 %</b>	<b>-19,9 %</b>

- Since the data in the offence register does not show information about the probationary period, the data was analysed based on age (below and over 21 years)
- The access of offences in the database before and after the introduction of the alcohol ban law for novice drivers was compared with the data of the access of offences in 2016
- Data of 2016: 50% sample, therefore an extrapolation was needed

## RESULTS (3)

The acceptance of the alcohol ban of novice drivers of 2018 was compared with novice drivers of 2008. Those novice drivers who belong to the first cohort (group) of drivers which had to comply with the alcohol ban were asked again in 2018 to analyse a long-term effect.

ND 2008	ND 2018	1st cohort	
95,8 %	97,2 %	98,3 %	Meaningful safety measure
43,7 %	50,6 %	50,3 %	Impairment is higher for ND
12,1 %	8,0 %	---	unjust treatment for ND
---	10,6 %	---	Restriction for the mobility

ND 2008	ND 2018	1st cohort	
5 %	11,4 %	10,9 %	I don't drink alcohol
44,8 %	28,8 %	35,5 %	I drive every day
50,7 %	12,7 %	6,3 %	I waive drinking alcohol to be able to drive

## CONCLUSIONS

- The first evaluation was confirmed
- Acceptance increased
- Long-term reduction of alcohol-related accidents and offences among novice drivers underline the effectiveness of the ban
- Lasting effect after the alcohol ban period

**THANK YOU!**

QUESTIONS?

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