

TNO Quality of Life

Work and Employment

Road accidents at work

Anita Venema

Maartje Bakhuys Roozeboom

TNO | Knowledge for business







Eurostat definition of accident at work

- *"a discrete occurrence in the course of work which leads to physical or mental harm".*
- ..engaged in an occupational activity or during the time spent at work.
- ..includes cases of road traffic accidents in the course of work.
- ..excludes accidents on the way to and from work (commuting accidents)

Labour Force Survey questionnaire

- **Thinking of the 12 months before this interview, have you had any accident resulting in injury at work or in the course of work?**

Was that (most recent) injury caused by a road traffic accident

Results Labour Force survey 2007

- 10% of reported accidents at work in EU27 is a road accident
- In 2007 670,000 workers injured while at work and on the road
- Possible underreporting

Results Dutch National Working Conditions Survey



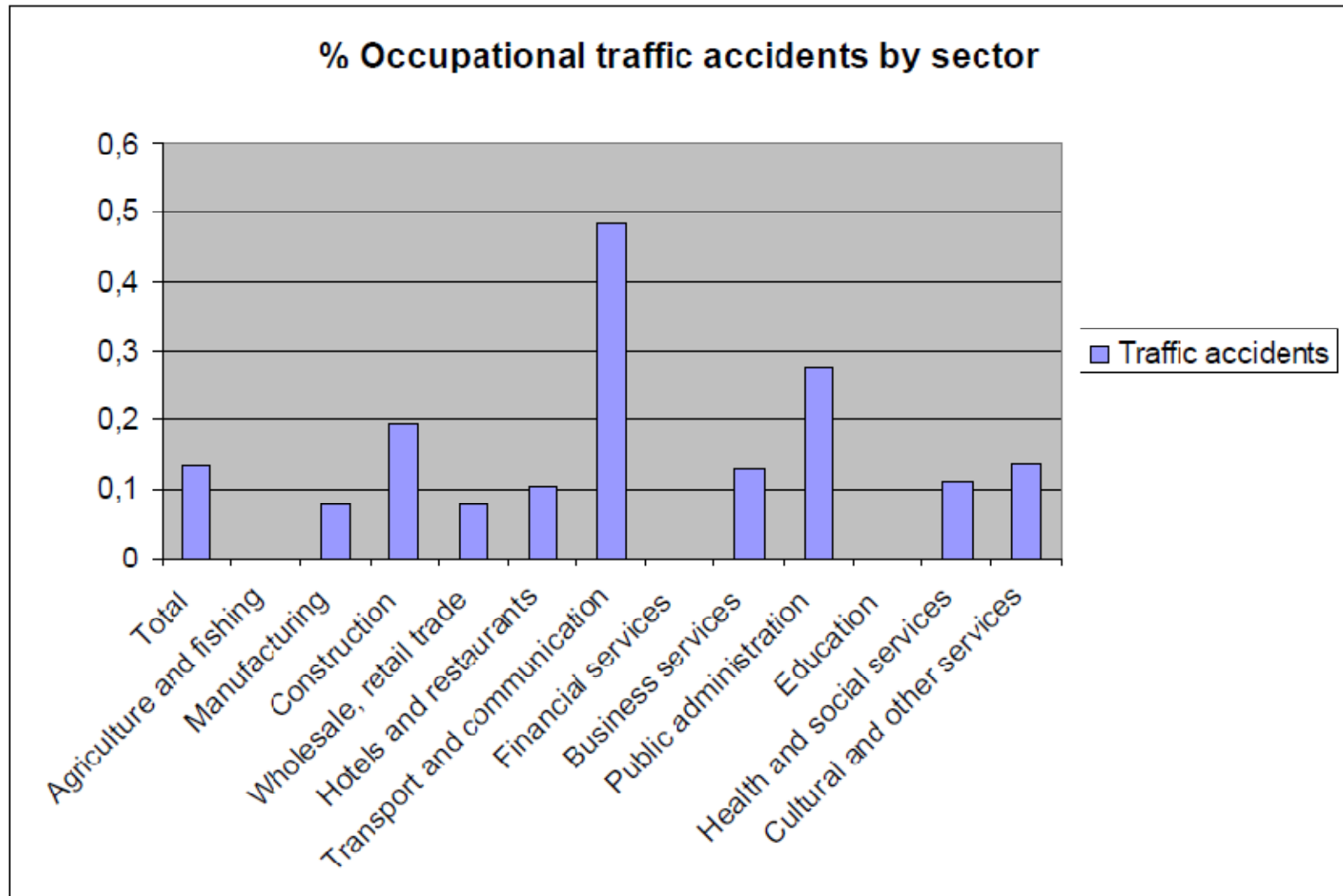


Figure 1: Distribution of work-related traffic accidents per sector (NEA 2007-2008)

Top 10 occupations by % occupational traffic accidents

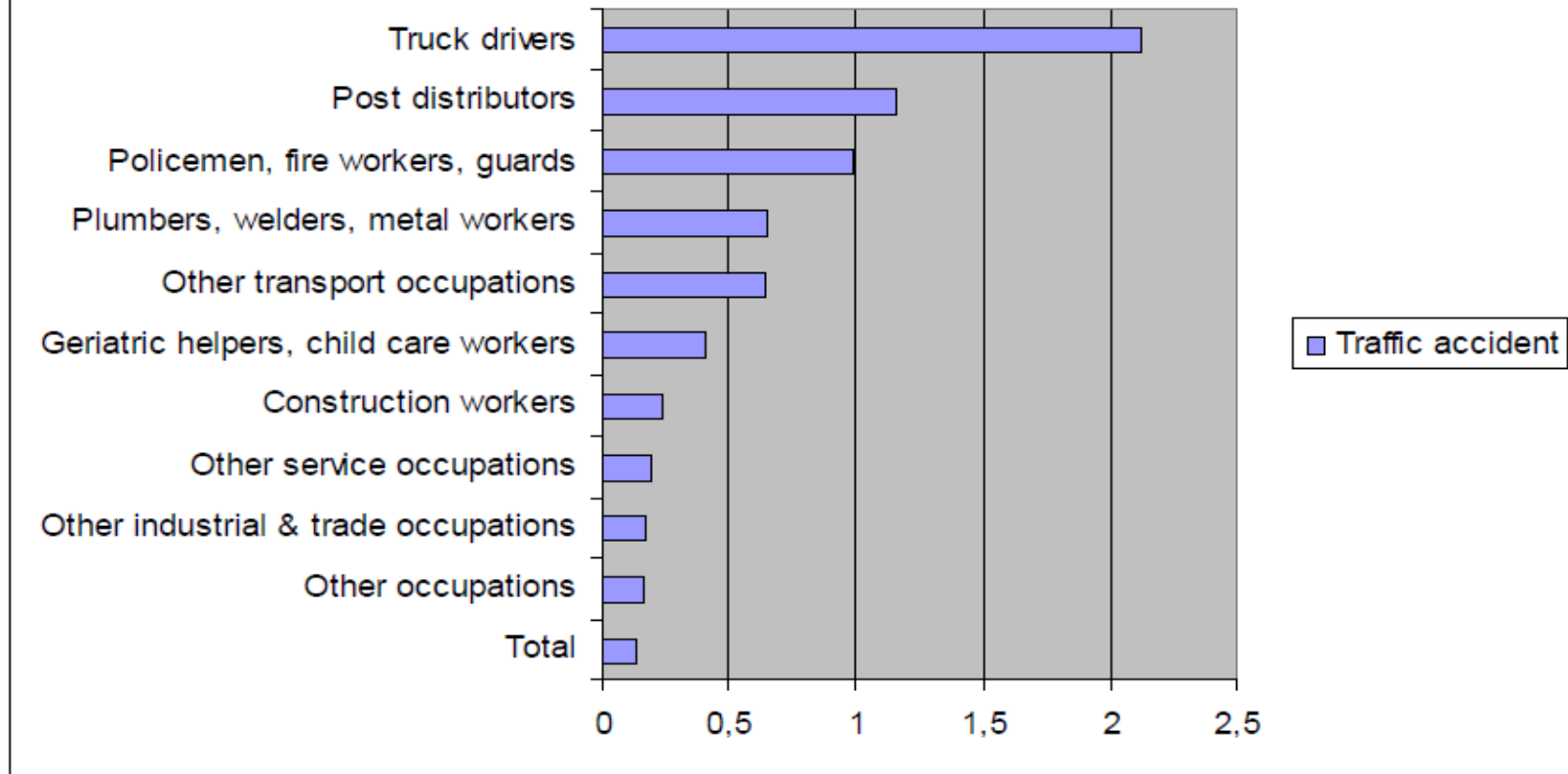


Figure 2: Work-related traffic accidents distributed according to profession (NEA 2007-2008)

Results Dutch Injury Information System



Table 1: Travel reasons for the victims of work-related traffic accidents (Schutten et al., 2006)

Reason	Percentage (weighted)
Driving to and from an appointment, meeting, customer	35%
Goods transport	30%
Others	15%
Emergency services, surveillance	12%
Transportation of persons	8%
Total	100%

Table 2: *Vehicle involved in the work-related traffic accident (Schutten et al., 2006)*

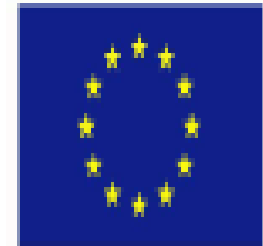
Vehicle	Percentage (weighted)
Passenger car	38%
Van, minibus	18%
Bicycle	12%
Lorry	8%
Moped, scooter	7%
Other	5%
(Fork-)lift truck	4%
Motorbike	3%
Bus, taxibus	2%
Tractor, farm vehicle	2%
Unknown	1%
Total	100%

Washington DC, februari 2009
CDC NIOSH



- “25%-33% of traffic accidents is work-related”
- “Employers can contribute to proper road behaviour by their employees and to the safety of the vehicle”
- “Fleetmanagement is cost-effective”

Preventing Road Accidents and Injuries for the safety of Employees (PRAISE)



Work Related Road Safety
Annual PRAISE Brunch
6th of May 2010, 9.00-13.00
Radisson BLU EU Hotel
35 rue d'Idalie, Brussels

Options for prevention

- Eye test facilities for employers
- Courses of 'new driving' (sustainable and safe!)
- Providing safe company or lease cars
- Car-servicing discounts
- Monitoring driver behaviour
- Journey management
- ..

Conclusions

- Considerable part of work accidents is traffic-related
- Not only professional drivers involved

Recommendations

- Working on safety should include work-related traffic safety
- Cooperation between OHS and traffic safety field

Anita.Venema@tno.nl

