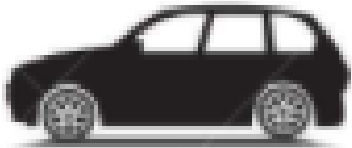
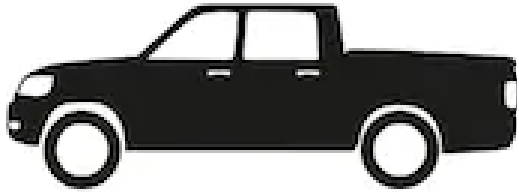


Essentials of Truck Fleet Safety



Deirdre Sinnott McFeat
Health and Safety Authority

Profile of vehicle deaths at work 2010 to 2019



**Vehicles are involved in
44%
of all reported deaths at work**



Profile of vehicle deaths at work 2010 to 2019

82% of deaths in four economic sectors



110 (51%)

Agriculture



25 (12%)

Transportation and
Storage



24 (11%)

Construction



20 (9%)

Wholesale and
Retail Trade



16%

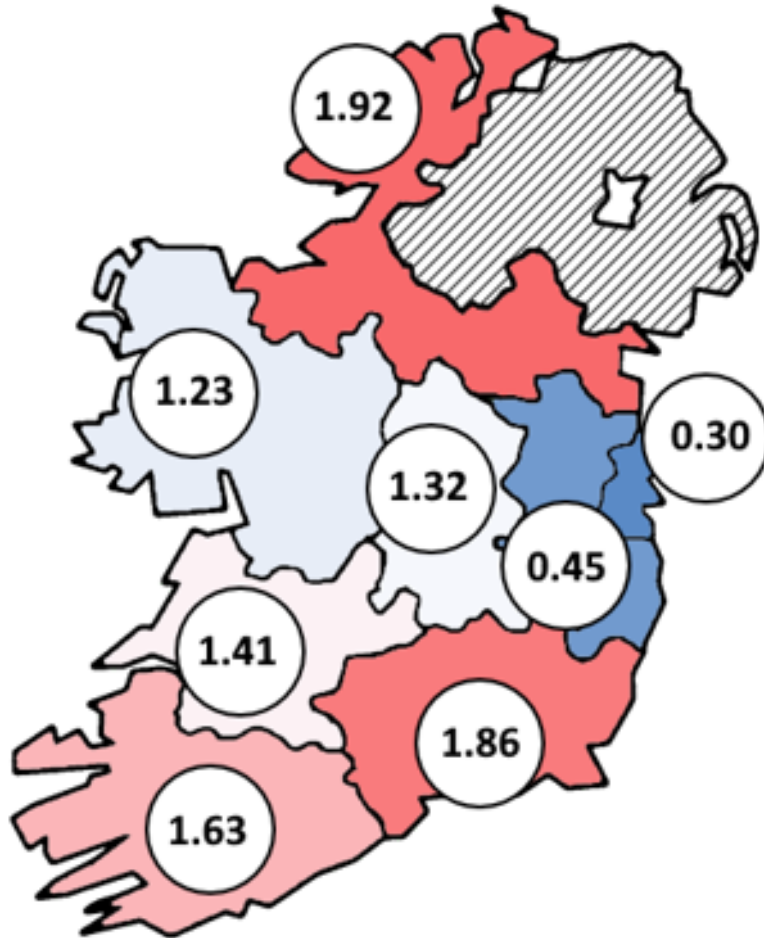


6%



9%

Profile of vehicle deaths at work 2010 to 2019



	Rate per 100,000 employed
Border	1.92
South-East	1.86
South-West	1.63
Mid-west	1.41
Midlands	1.32
West	1.23
Mid-East	0.45
Dublin	0.30

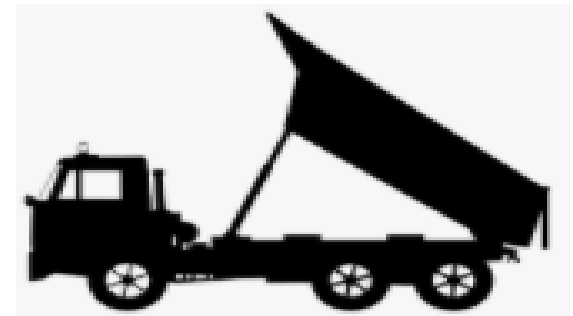
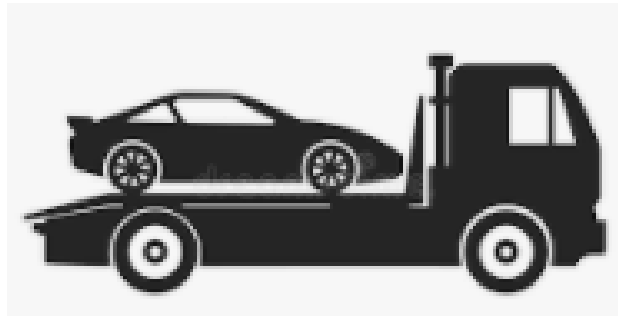
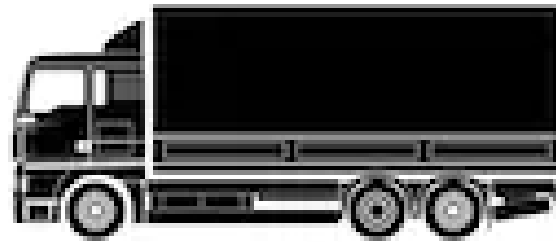
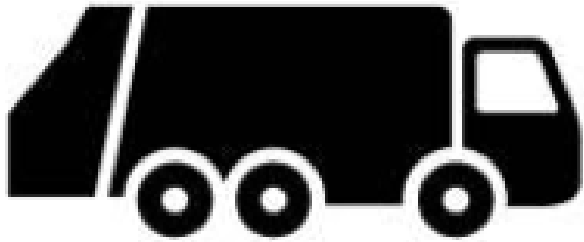


**62% of vehicle deaths
occurred in small
businesses**



**16% of victims
were non workers**

Truck involvement in vehicle deaths



Vehicle Deaths in Transport Sector 2010 - 2019

25 Deaths reported to HSA



60%

involved
trucks



36%

of victims were
struck by vehicles



48%

of victims were
truck drivers



40%

occurred in
storage or
loading areas



28% involved
vehicle crashes

Vehicle Deaths in Wholesale & Retail and Repair of Motor vehicles

2010 - 2019

**20 deaths
reported to HSA**



20%

involved
trucks/lorries



45%

occurred in
maintenance
workshops



20%

of victims were
struck by vehicles



50%

of victims
mechanics



35%

of victims were
crushed by unstable
vehicles under
maintenance



20%

occurred in
storage or
loading areas

Most common types of incidents causing death

- Truck **reversed over** victim
- Truck moving forward **struck pedestrian** victim
- Driver/unloader **falls from truck** body/trailer
- Truck **reversed trapping victim** against structure
- **Loads striking driver/worker/member of pub'** loading/unloading operations
- Truck **collisions on public road**
 - Single and multiple vehicle collisions
 - Truck struck cyclist
 - Truck overturns
 - Truck runs off road



Essential areas that need to be managed and controlled

Vehicle movements	Vehicle operations	On road operations
<ul style="list-style-type: none">• Vehicle condition• Vehicle roadworthiness• Driving forward• Reversing• Slow speed manoeuvres• Vehicles entering workplace• Vehicles exiting workplace• Vehicle parking• Trailer parking• Forklift movements	<ul style="list-style-type: none">• Deliveries and collections• Working at height on vehicles• Loading, unloading and securing of loads• Coupling/Uncoupling of trailers• Vehicle maintenance and repair• Tipping of loads• Tail lift operations• Lorry loader crane operations• Manual handling of goods, materials and parts	<ul style="list-style-type: none">• Driving for work [weather]• Reversing & manoeuvres• Roadside deliveries [day and <u>night</u>]• Working on or near the road• Breakdowns/ repairs• Emergencies• Negotiating roadworks/ roadchecks• Vehicle parking• Vulnerable Road Users (VRU) interactions

Why truck incidents happen?



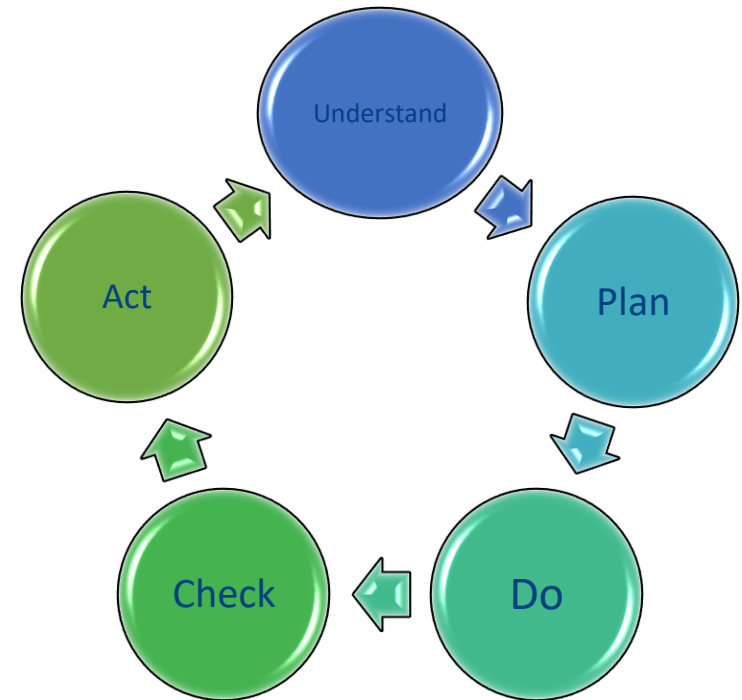
- Lack of management control
- Lack of safe systems of work for vehicle operations
- Unsafe/unroadworthy vehicles
- Lack of awareness
- Lack of training
- Errors and omissions
- Deliberate unsafe acts
- Killer behaviours
- Unsuitable roads infrastructure

Safe Systems Approach

- Employers must create a workplace system that mitigates for the consequences of workers errors and omissions when using the road for work
- Systematic and holistic management of all risks associated with:
 - Vehicles and modes of transport
 - Drivers/passengers/road users
 - Work operations on the road
 - travel, deliveries, collections, maintenance, inspections, emergency response etc..
 - Journeys

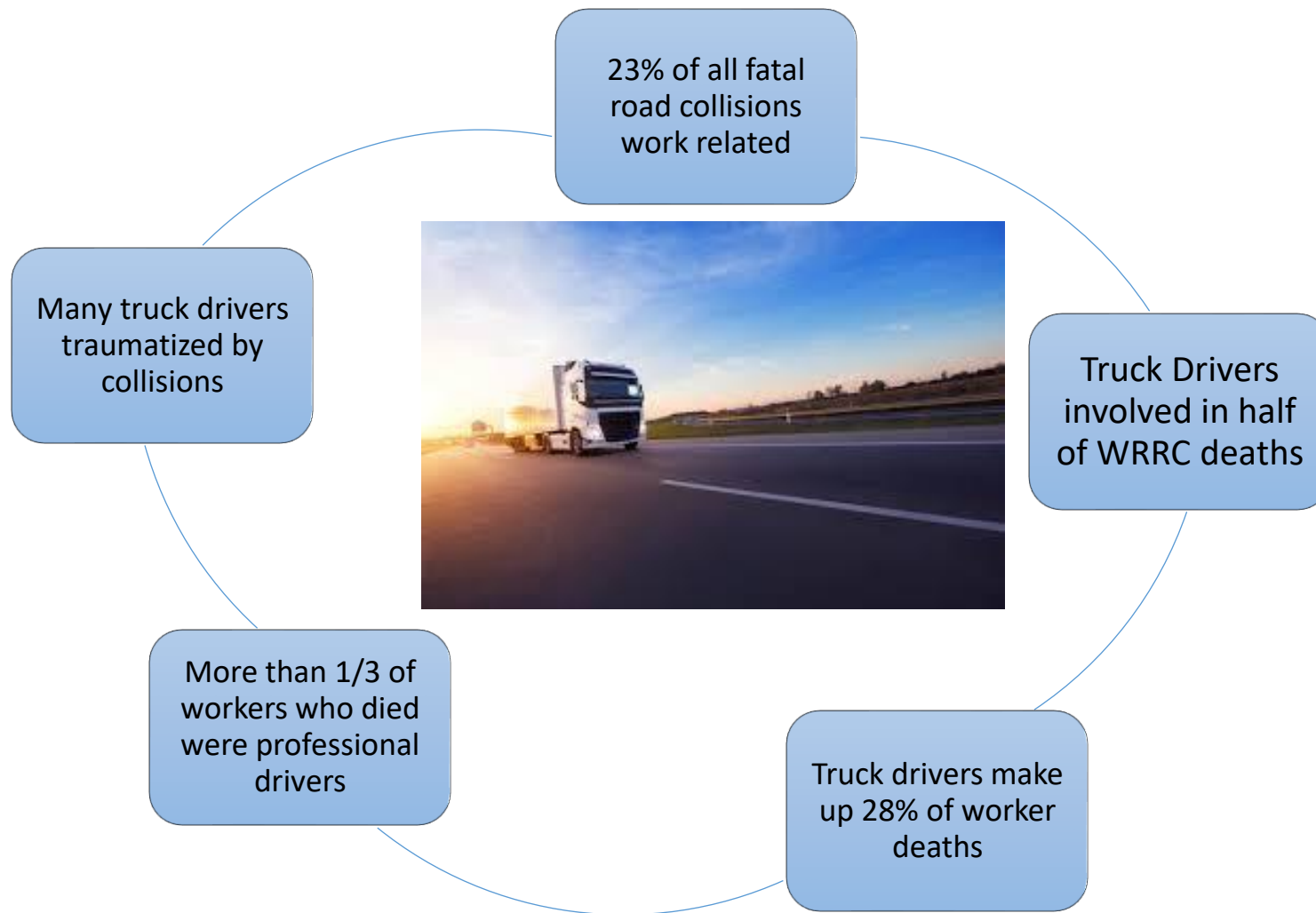
Reasons

- Moral
- Legal
- Financial



Fatal Work Related Road Collisions Research 2008 to 2011

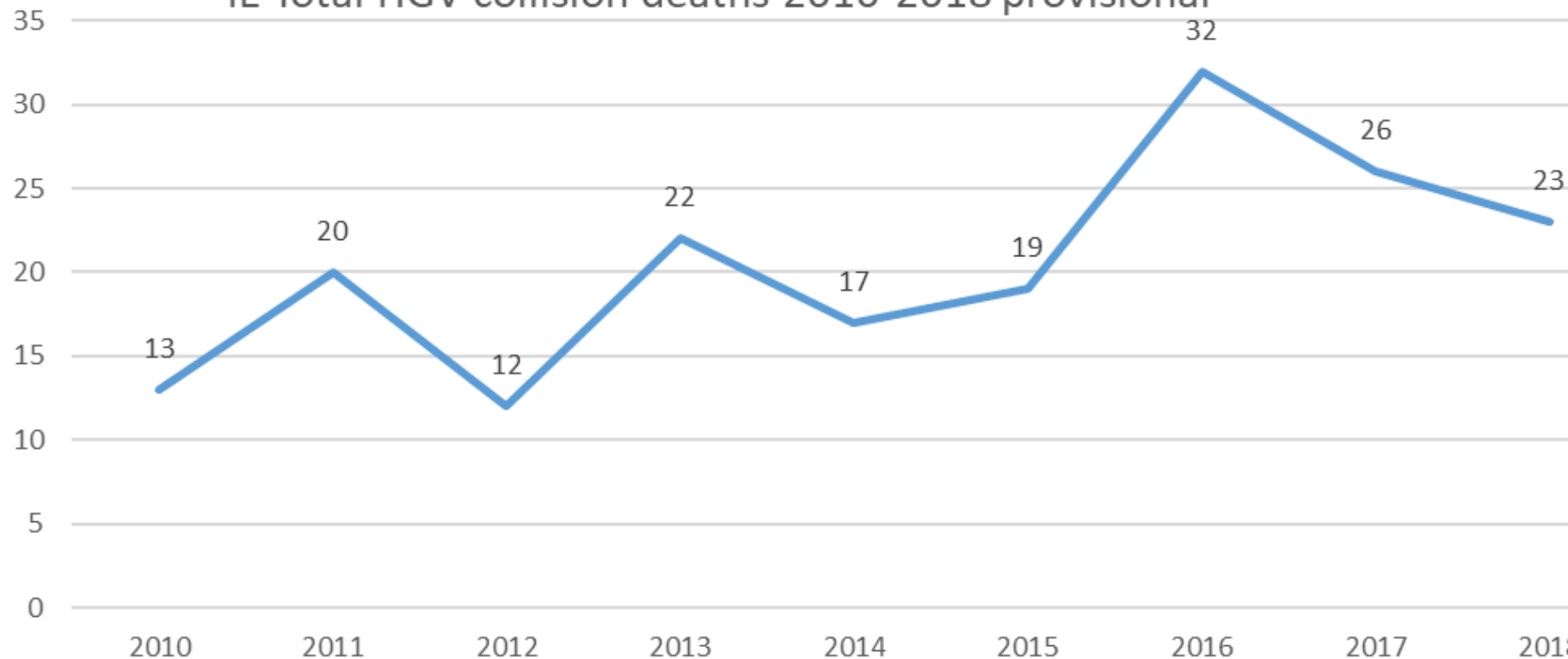
<https://iosh.com/media/1499/iosh-fatal-collisions-on-the-road-full-report-2016.pdf>.



Scale of HGV Road Collision Deaths

www.etsc.eu/https://etsc.eu/how-to-improve-the-safety-of-goods-vehicles-in-the-eu-pin-flash-39/

IE Total HGV collision deaths 2010-2018 provisional

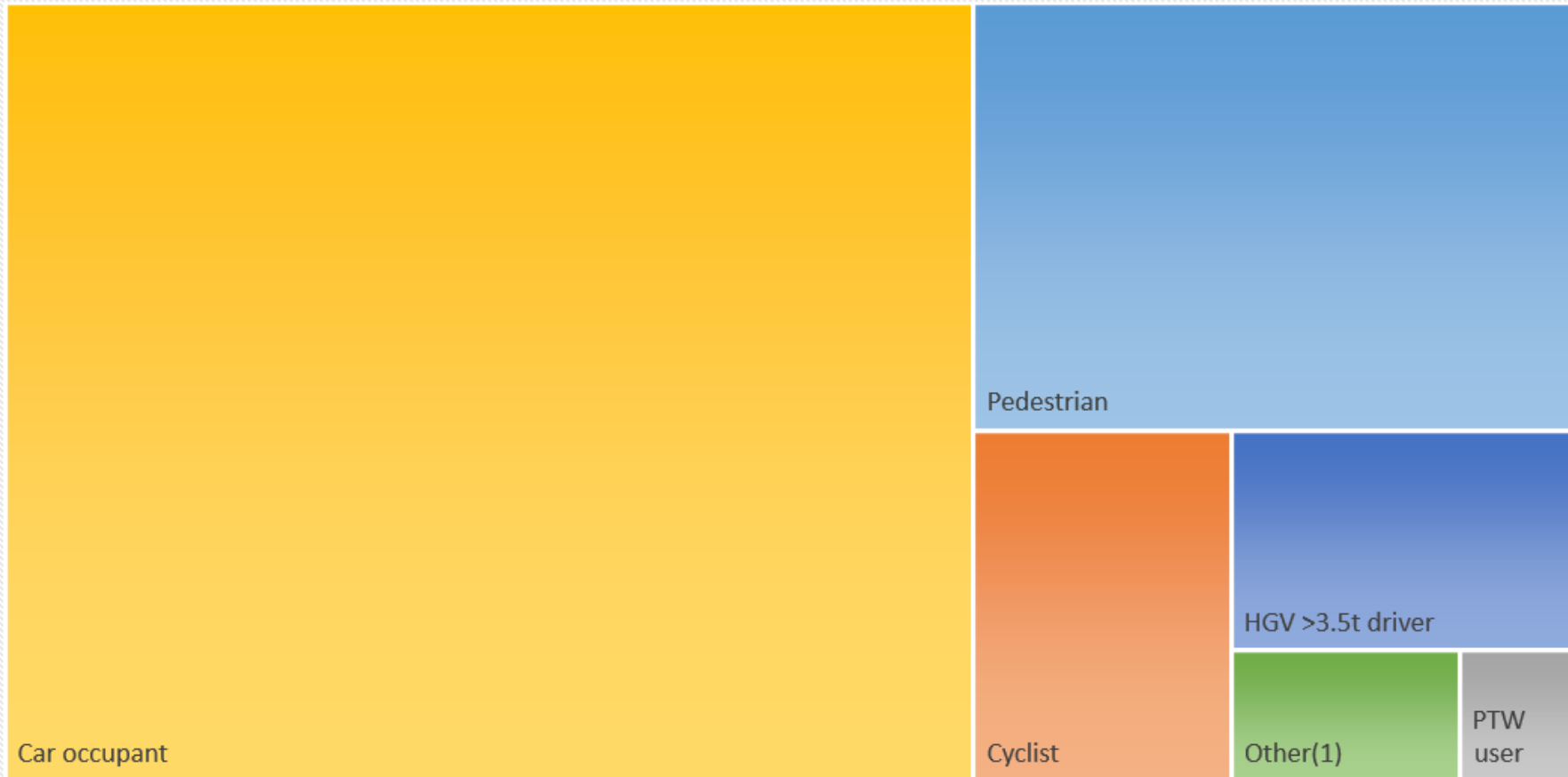


HGV Road Collision Deaths

Victim profile

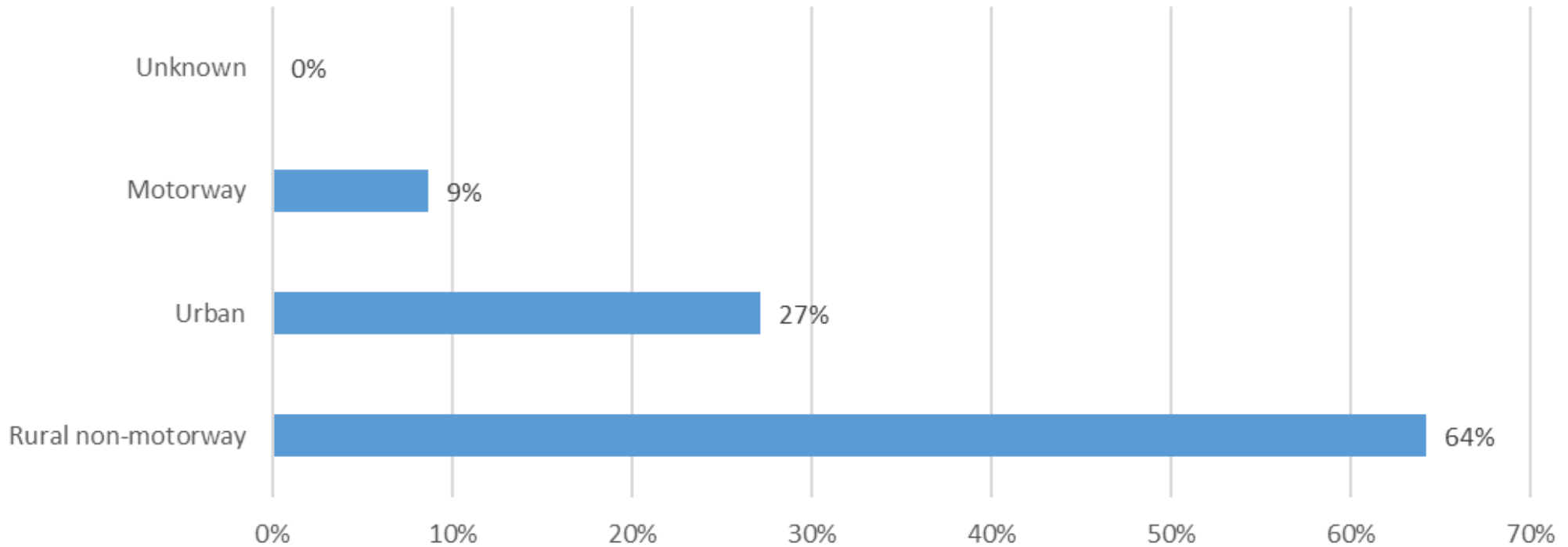
www.etsc.eu/https://etsc.eu/how-to-improve-the-safety-of-goods-vehicles-in-the-eu-pin-flash-39/

HGV Fatal collisions 2016-2018: Proportion of deaths by road user group



HGV Deaths by Road Type

Reported HGV Deaths by road type 2016-2018



Safety Statement

[Risk Management Framework]

Risk Assessment

Of all HGV activities
In the workplace and on the road

Risk Management

Controls
Procedures
Rules

Driver
management

[Killer Behaviours]

Vehicle
Management

Journey
management

Truck operations
management

Where can I get help?



HSA Vehicles at Work Guidance and Resources

www.hsa.ie/vehiclesatwork

Vehicles at Work

You can now access some of the key transport safety management resources available on our website, in a convenient and easy to use information portal.
See the full range [here](#) or click the icon below.



Where can I get help?




Vehicles at work resources easy access portal

Where can I get help?


HSA YouTube channel

Load Securing Videos ▶ **PLAY ALL**


The HSA working in partnership with An Garda Síochána has produced this series of 7 information videos on Safe Load Securing for road transport. These video clips provide a general overview on




Load Securing Introduction - video 1 of 7 in series
HSAchannel
50K views • 4 years ago
[Subtitles](#)




Load Securing Vehicles - video 2 of 7 in series
HSAchannel
12K views • 4 years ago
[Subtitles](#)




Load Securing Principles - video 3 of 7 in series
HSAchannel
9.9K views • 4 years ago



Load Securing Methods - video 4 of 7 in series
HSAchannel
79K views • 4 years ago




Load Securing Equipment - video 5 of 7 in series
HSAchannel
10K views • 4 years ago
[Subtitles](#)




Load Securing Drivers - video 6 of 7 in series
HSAchannel
8.1K views • 4 years ago


Vehicle walk around pre-check series ▶ **PLAY ALL**




Van Driver Daily Checks
HSAchannel
4.8K views • 5 years ago
[Subtitles](#)



Bus Driver Daily Checks
HSAchannel
7.7K views • 5 years ago
[Subtitles](#)




Car Driver Daily Checks
HSAchannel
7.8K views • 5 years ago
[Subtitles](#)




HGV Driver Walkaround Checks
HSAchannel
11K views • 9 years ago


Vehicle operations series ▶ **PLAY ALL**




Falls From Vehicles
HSAchannel
1.7K views • 6 years ago



Pedestrian Safety
HSAchannel
3K views • 6 years ago
[Subtitles](#)



Reversing Safety
HSAchannel
6.9K views • 6 years ago
[Subtitles](#)



'African Elephant' Reversing Vehicle Radio Ad
HSAchannel
639 views • 3 years ago

<https://www.youtube.com/user/HSACHannel>

Where can I get help?

E-learning courses

www.hsaelearning.ie

Managing Driving for Work



The Health and Safety Authority (HSA) has developed this course in partnership with An Garda Síochána and the Road Safety Authority (RSA).

The course objective is to inform employers how adopting a driving for work policy can assist them in complying with their legal obligations, the main risks associated with this activity and how to manage them. It will also help compliance with statutory duties in respect of safe driving for work practices.



Course duration: 30 minutes

Learning outcomes:

On successful completion of this course you should be able to:

- Recognise the key issues to consider when managing driving for work risks
- Outline the key factors to be taken into account for managing drivers
- Outline the key factors to be taken into account for vehicle management
- Understand the importance of journey management considerations

Safe Drivers and Employees



Safe Vehicles



High Risk Vehicle Activities



Safe Workplace



Key resources

1. HSA Business electronic Safety Management and Risk Assessment Tool at www.besmart.ie
2. European Transport Safety Council at www.etsc.eu/praise
3. Global fleet champions
<http://globalfleetchampions.org/resources>
4. ROSPA at <https://www.rospa.com/Road-Safety/Resources/Free.aspx>
5. National Road Safety Partnership Program Australia at <https://www.nrspp.org.au/knowledge-centre/>
6. Driving for better Business UK.
<https://www.drivingforbetterbusiness.com/getting-started/evaluate-practices/>

BeSMART.ie



Redouble efforts to manage truck fleet risk in your business

- **Prioritise** truck fleet risk management now
- **Appoint** someone to take ownership
- **Carry out**
 - Truck fleet **risk inventory**
 - Truck fleet risks **gap analysis**
 - **Truck operations risk assessment**
- Put in place **Truck fleet management policy**
- Put in place effective **truck fleet management procedures**
- **Monitor and review** to ensure safe and sustainable truck operations and compliance

