

# HALLAZGOS TOXICOLÓGICOS EN SINIESTROS MORTALES EN ESPAÑA 2023



Instituto de Medicina Legal  
Ciencias Forenses de Murcia



Observatorio Nacional  
de Seguridad Vial

*Fundación MAPFRE.3 de octubre de 2024. Paseo de Recoletos, 23. Madrid*

# HALLAZGOS TOXICOLÓGICOS EN SINIESTROS MORTALES EN ESPAÑA 2023

HALLAZGOS TOXICOLÓGICOS EN VÍCTIMAS MORTALES DE ACCIDENTES DE TRÁFICO

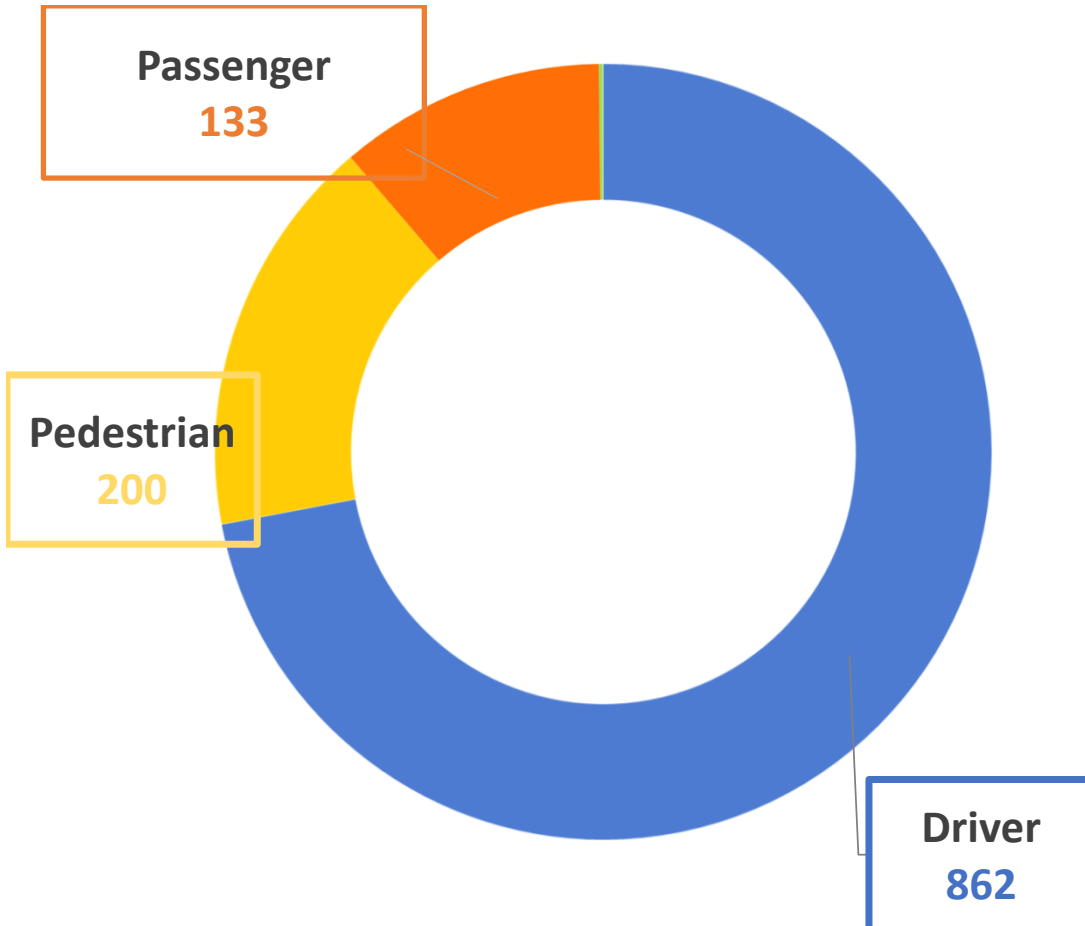
Memoria 2023

TOXICOLOGICAL FINDINGS IN ROAD TRAFFIC FATALITIES

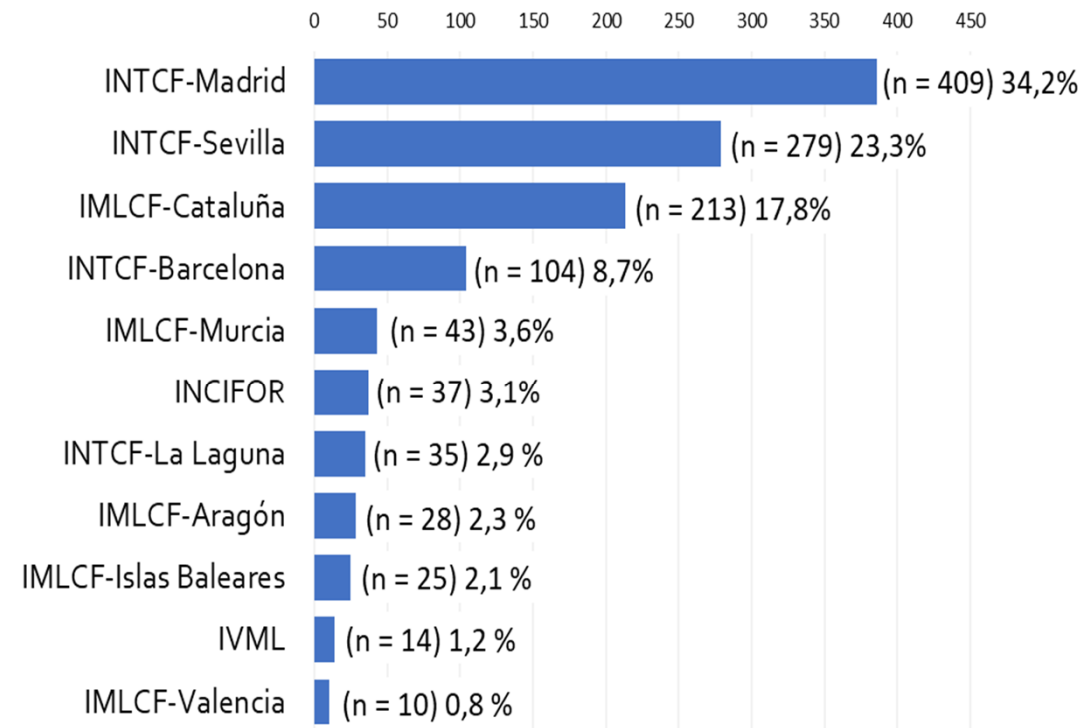
2023 Report



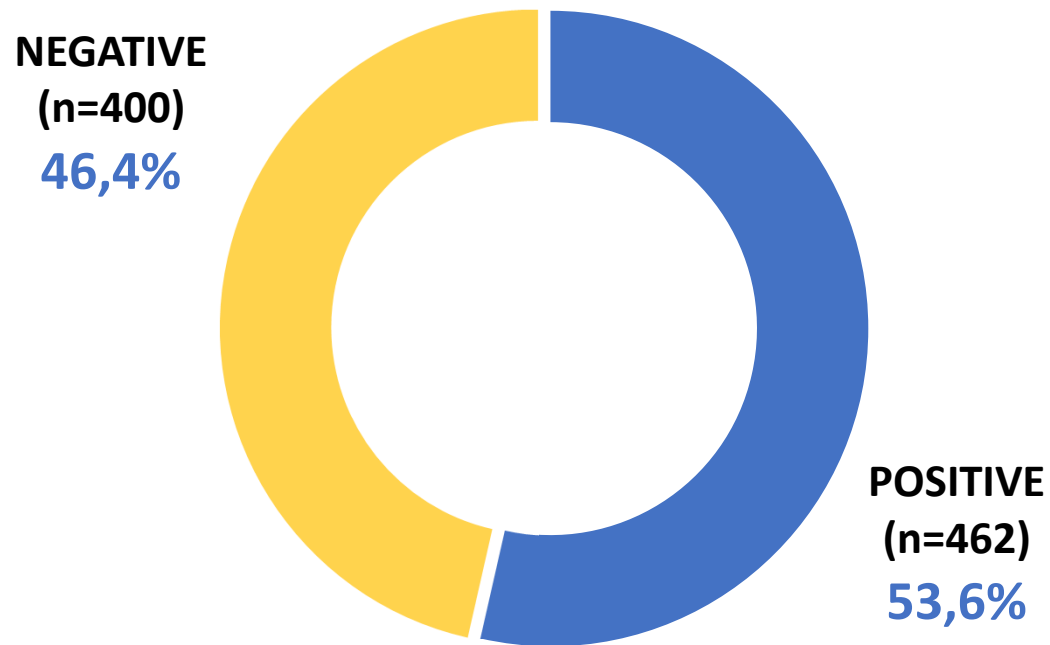
PERCENTAGE DISTRIBUTION OF THE NUMBER OF FATALITIES (n = 1,197) BY ROLE IN THE INCIDENT



NUMBER OF FATALITIES (n = 1,197) ANALYSED BY THE DIFFERENT BODIES



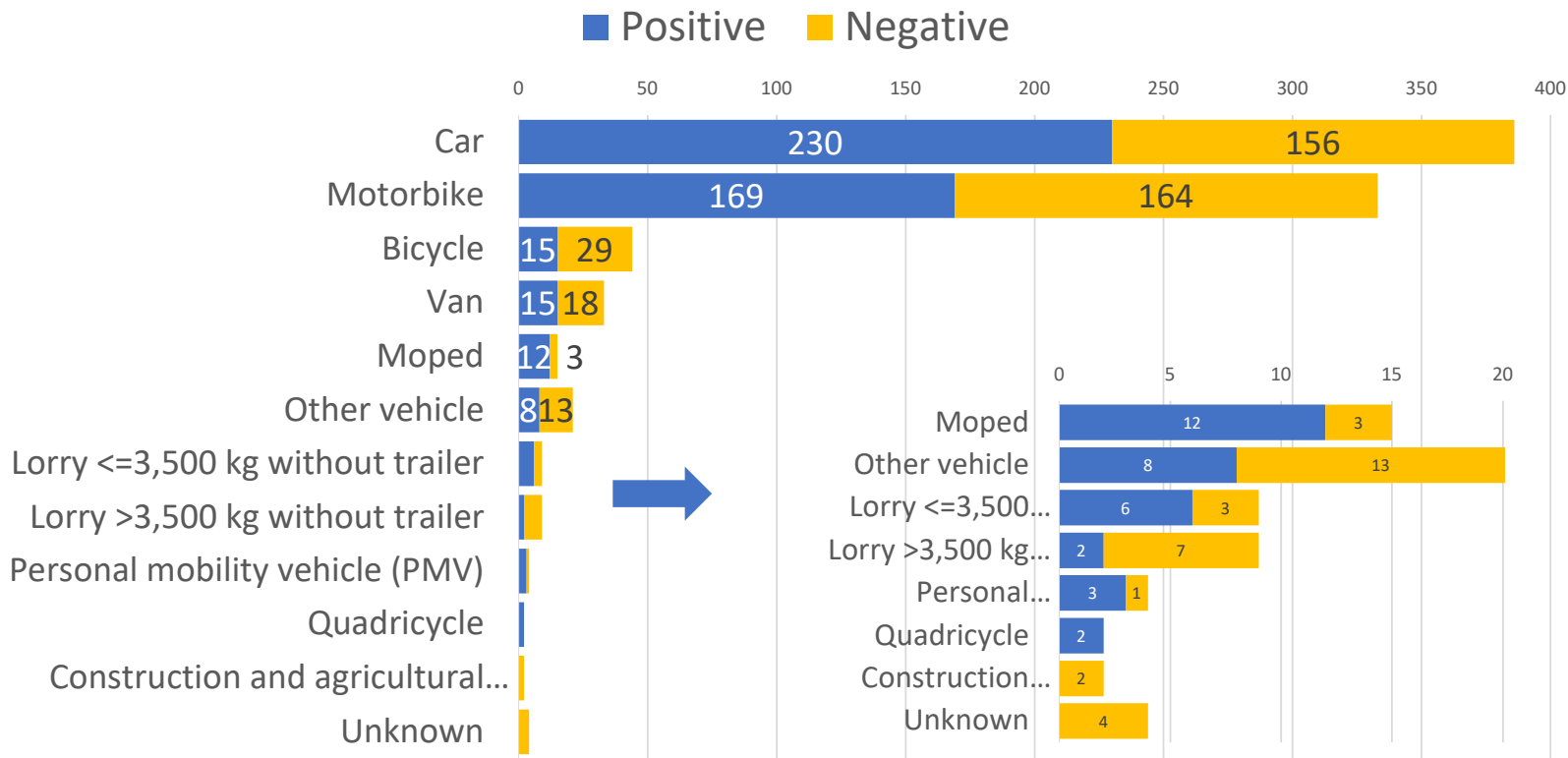
## PERCENTAGE DISTRIBUTION ACCORDING TO TOXICOLOGY RESULT (862 DRIVERS)



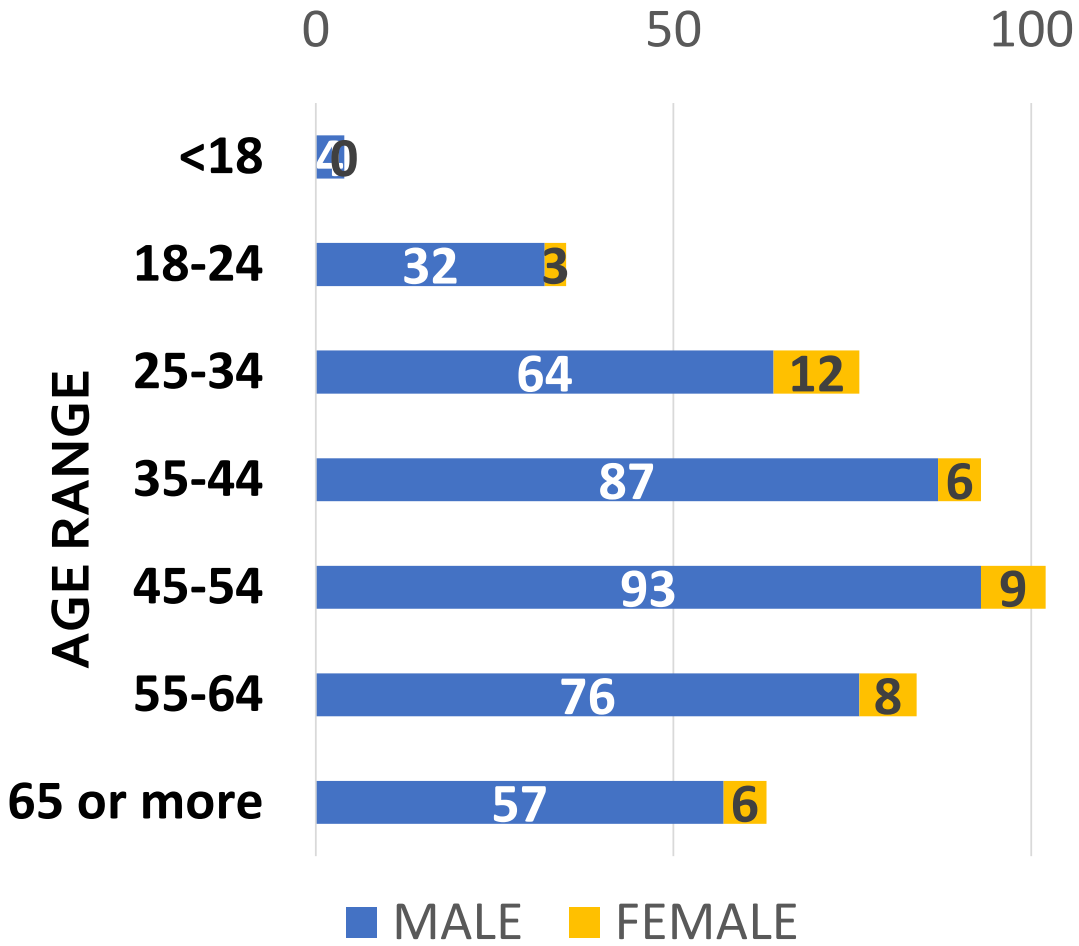
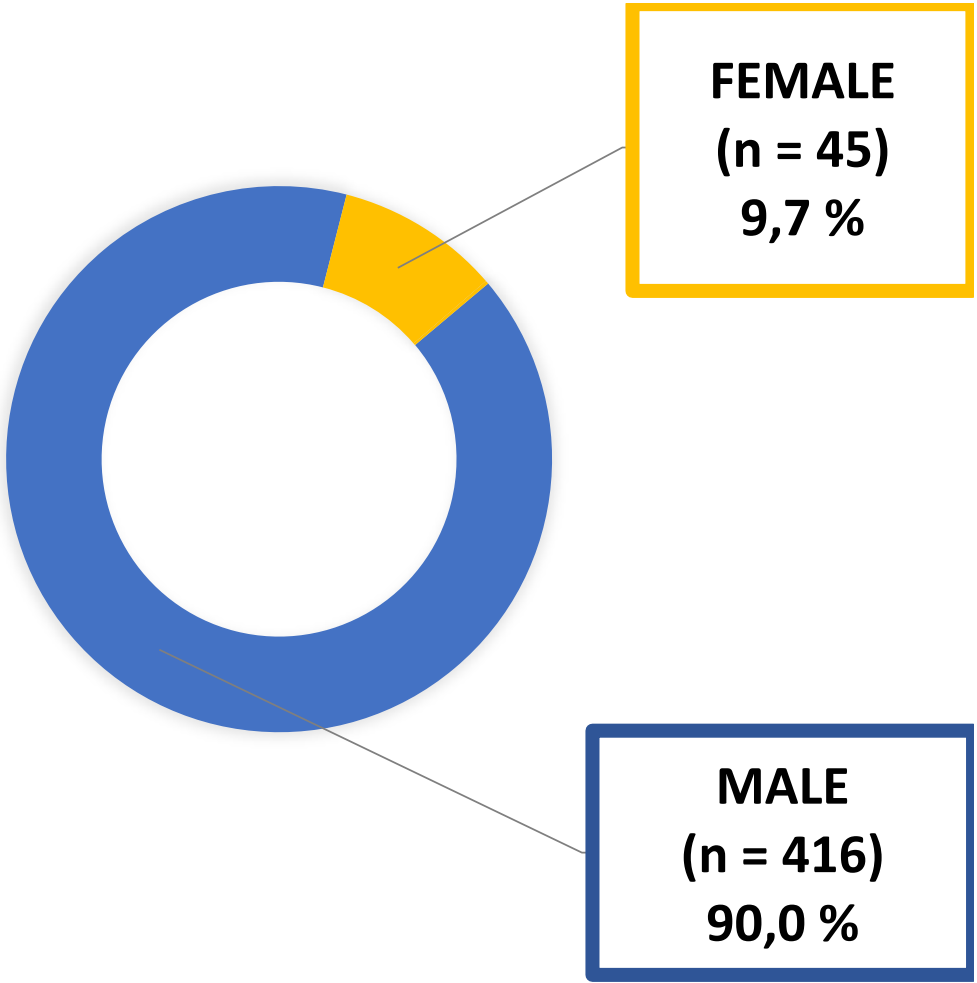
**blood alcohol threshold: 0.10 g/l**

Of the 862 (758 males and 103 females) drivers killed in road accidents and subjected to autopsy and toxicological analysis, 462 drivers, i.e. **53.6%** tested positive for alcohol (blood alcohol threshold 0.10 g/l), drugs of abuse and/or psychotropic drugs, either alone or in combination.

# DISTRIBUTION ACCORDING TO TOXICOLOGY RESULT AND TYPE OF VEHICLE

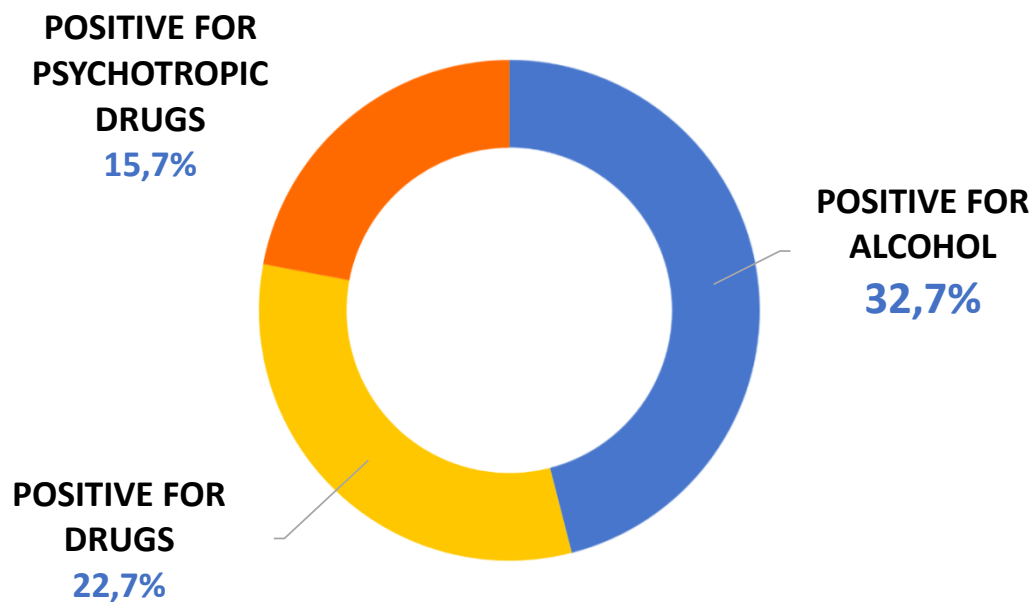


# POSITIVE DRIVERS (n = 462). PERCENTAGE DISTRIBUTION BY GENDER and BY AGE RANGE



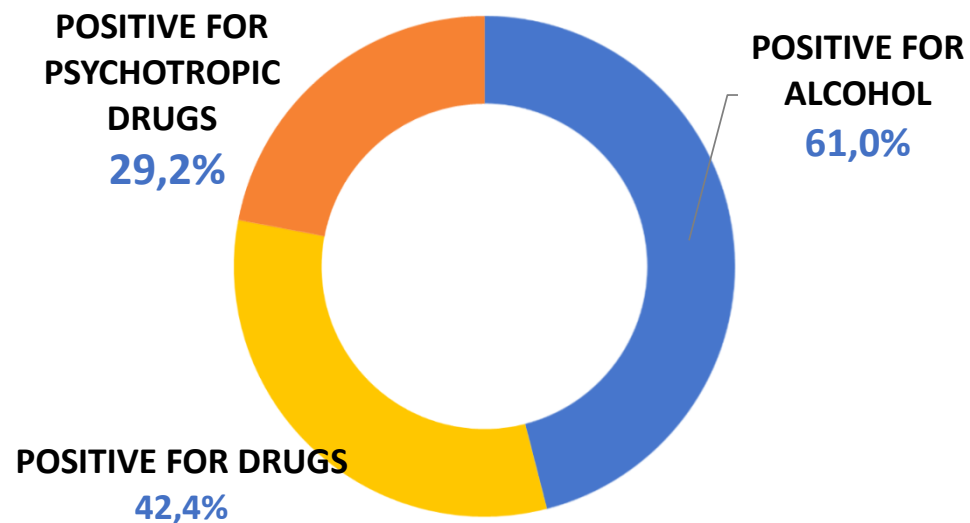
## DRIVERS (n = 862)

PERCENTAGE DISTRIBUTION BY TYPE OF SUBSTANCE DETECTED  
(without taking into account possible associations)

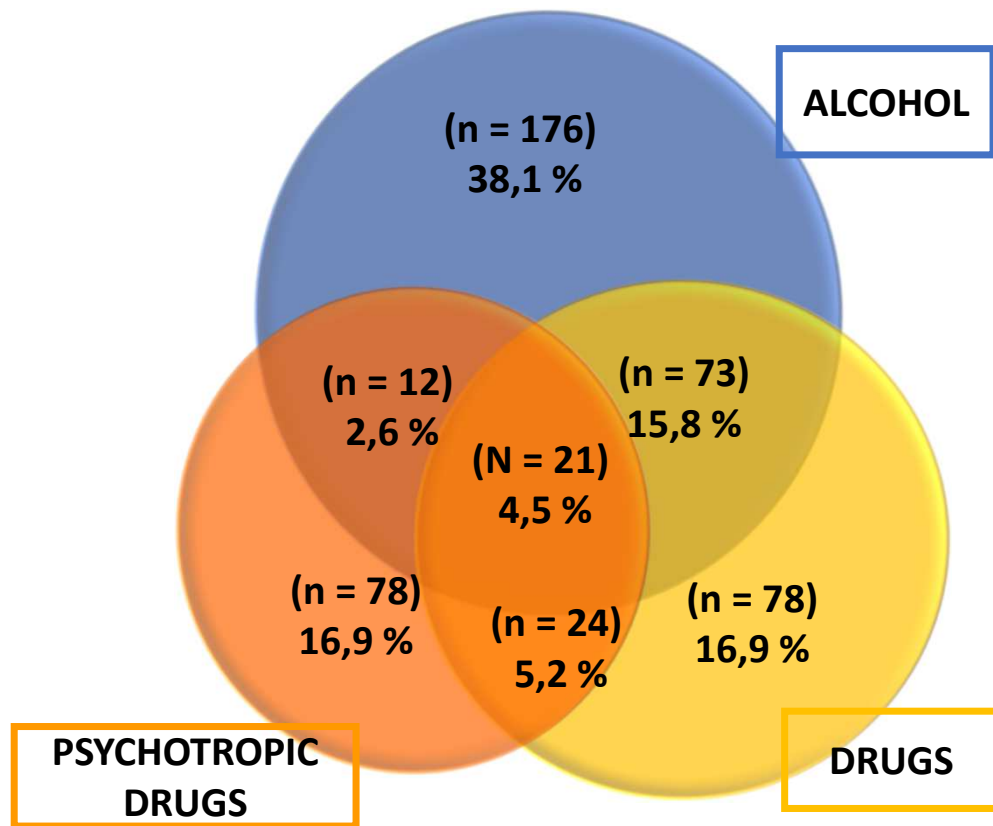


## POSITIVE DRIVERS (n = 462)

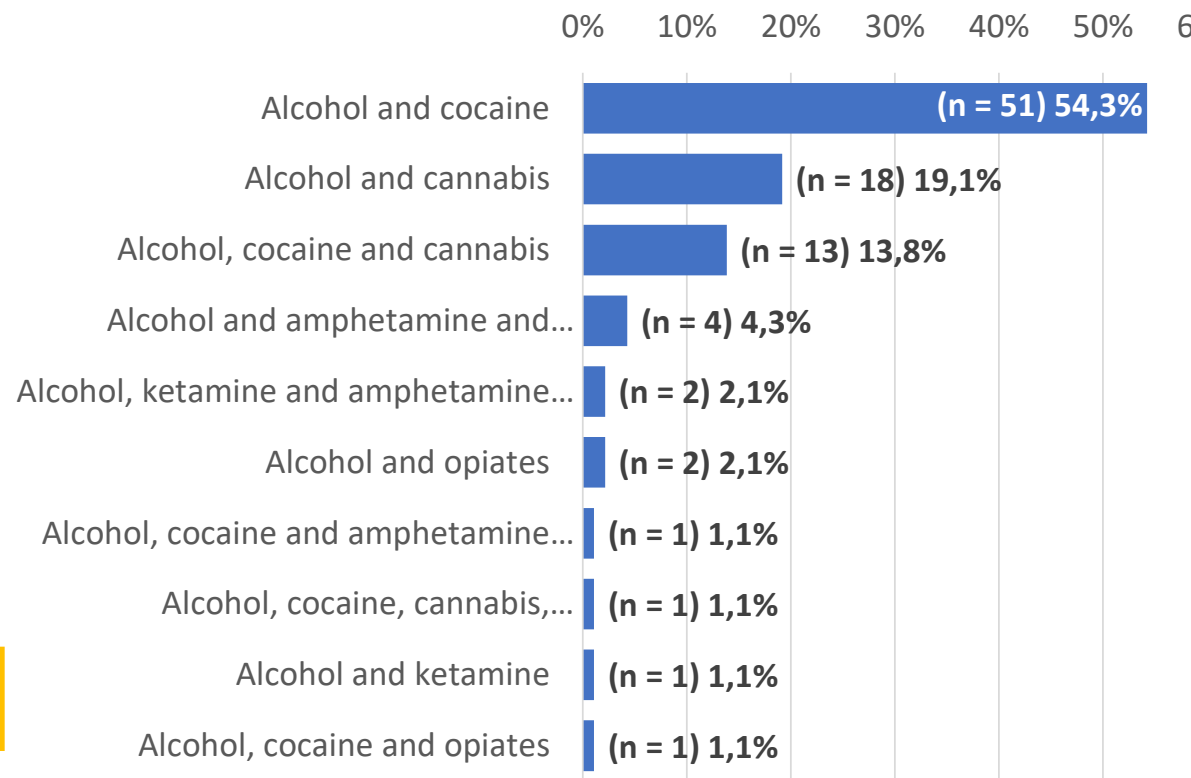
PERCENTAGE DISTRIBUTION BY TYPE OF SUBSTANCE DETECTED  
(without taking into account possible associations)



**POSITIVE DRIVERS (n=462)**  
**CLASSIFICATION OF RESULTS ACCORDING TO THE**  
**TYPE AND/OR COMBINATION OF SUBSTANCES**  
**DETECTED**



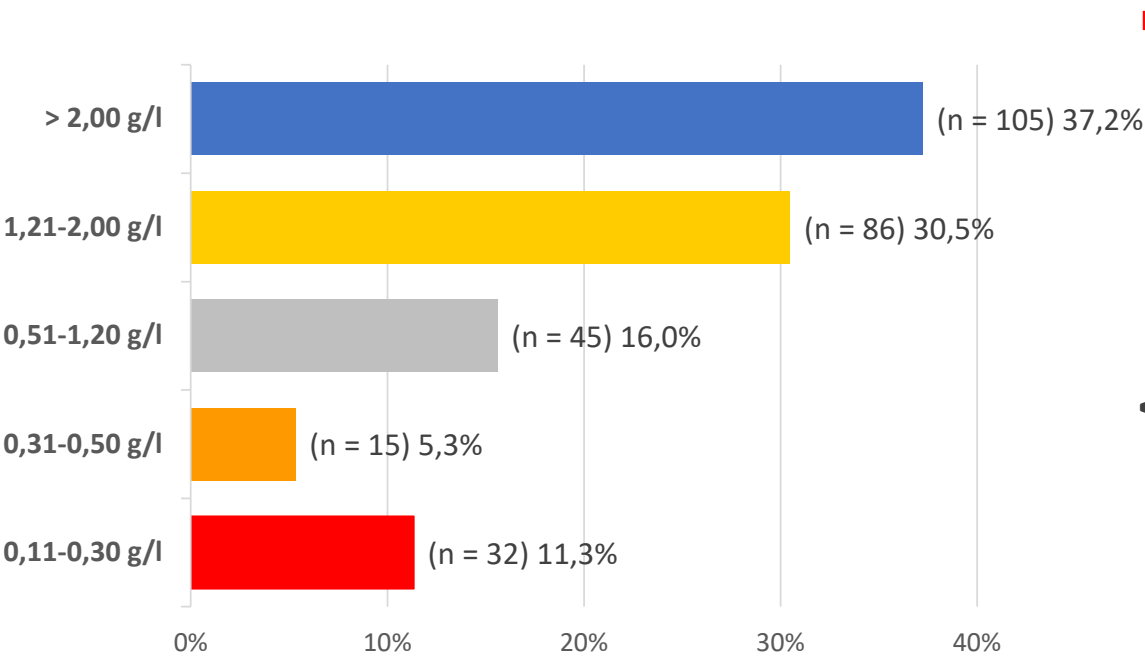
**ALCOHOL AND ILLEGAL DRUG ABUSE**  
**POSITIVE DRIVERS (n = 73)**  
**DISTRIBUTION OF CASES BY DRUG DETECTED.**  
**MOST FREQUENT COMBINATIONS**



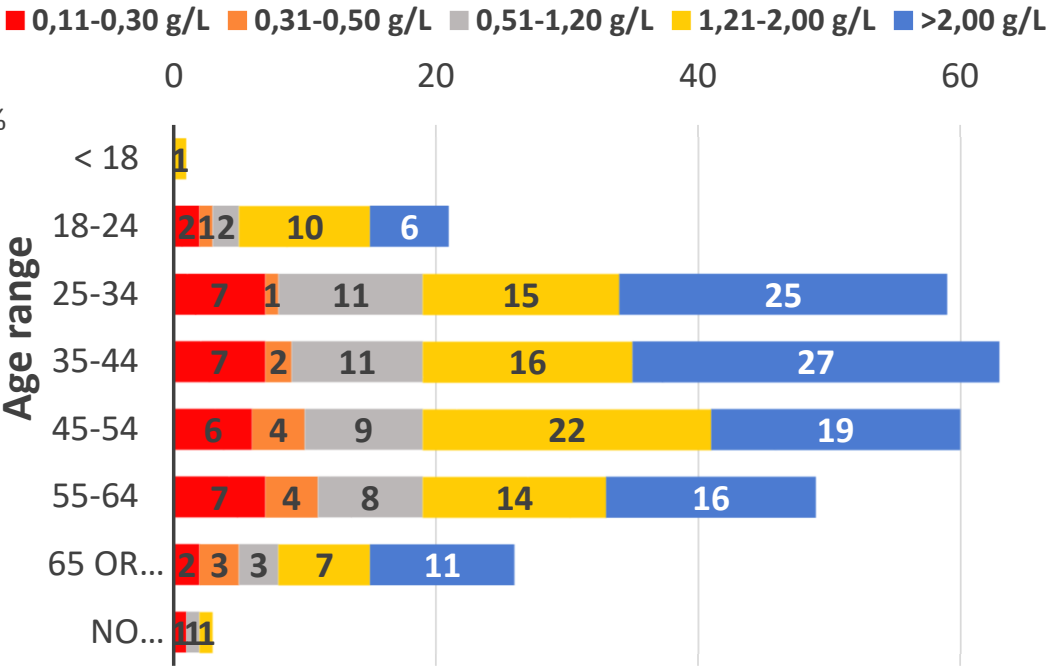


# ALCOHOL POSITIVE DRIVERS (n = 282)

DISTRIBUTION ACCORDING TO BLOOD ALCOHOL LEVEL



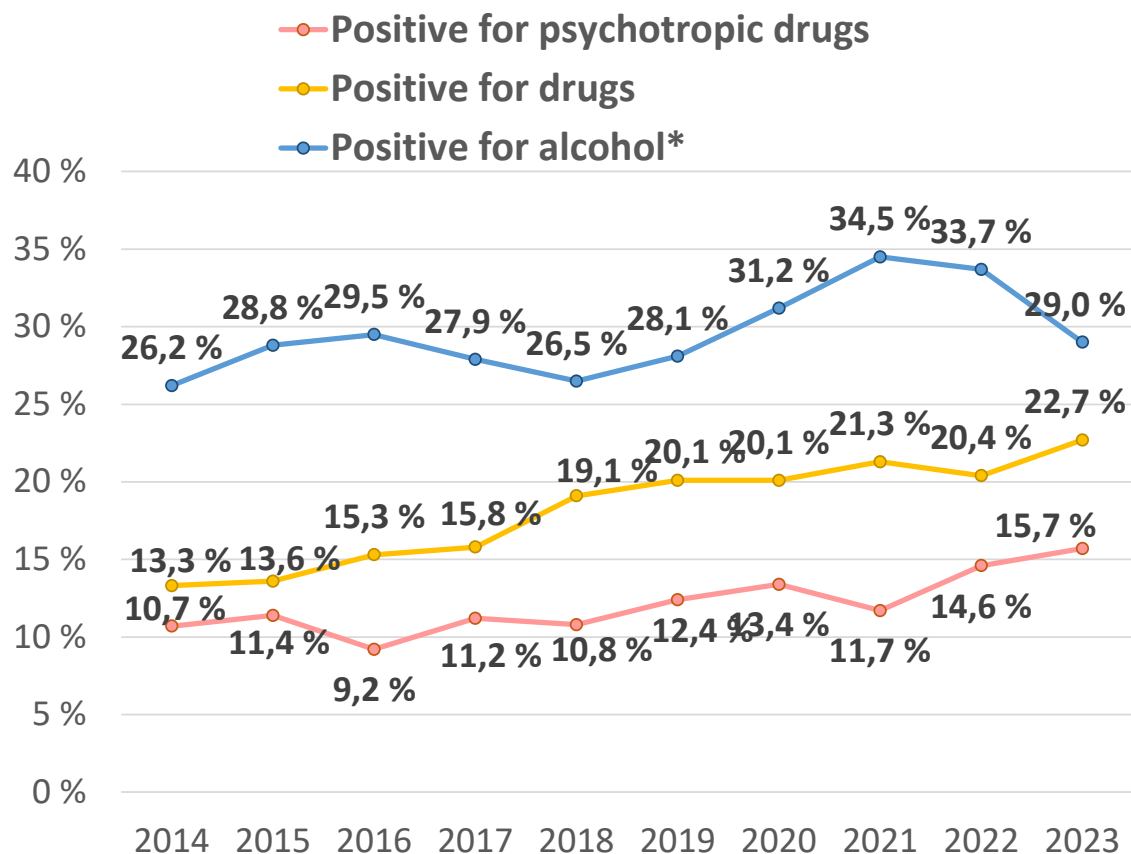
DISTRIBUTION ACCORDING TO BAC AND AGE RANGE



67.7% of drivers who tested positive for alcohol had a BAC of over 1.20 g/l.

44.3% of drivers who tested positive for alcohol with a BAC over 1.20 g/l are in the 25-54 age group.

# EVOLUTION OVER TIME OF THE PERCENTAGE OF POSITIVE DRIVERS ACCORDING TO TOXICOLOGY RESULT



\* Positive for alcohol: blood alcohol concentration of 0.30 g/l or more.

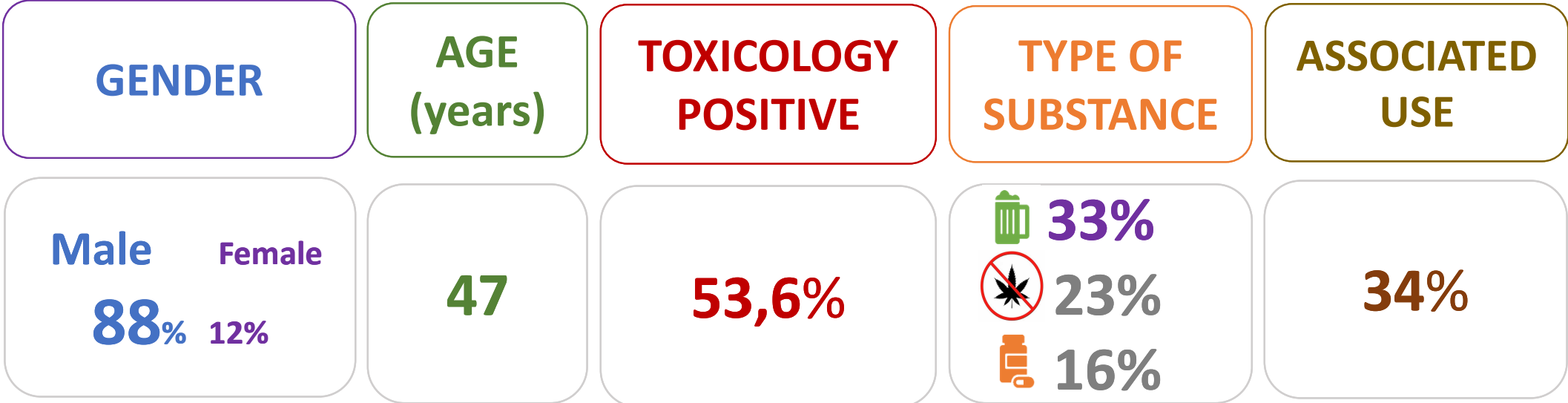
With regard to alcohol consumption, 2023 saw a **4.7%** drop in the number of drivers killed in road accidents compared to 2022.

An upward trend is observed in drug use, with a **9.4%** increase compared to in 2014 and 2.3% up compared to 2022.

Finally, there is a **1.1%** increase for psychotropic drugs compared to 2022.

# TOXICOLOGICAL PROFILE OF DRIVERS KILLED IN ROAD TRAFFIC CRASHES IN SPAIN IN 2023

N=862



# For more information

**Portal de Datos de Justicia/Justice in data web**

[Traffic accidents - Portal de Datos de Justicia](#)

- <https://datos.justicia.es/datos-toxicologicos-accidentes-de-trafico1>

**Memorias anuales del Instituto Nacional de Toxicología y Ciencias Forenses/ National Institute of Toxicology and Forensic Sciences  
Annual reports**

- <https://www.mjusticia.gob.es/es/institucional/organismos/instituto-nacional/documentacion/memorias>



¡MUCHAS GRACIAS POR SU ATENCION!  
Thanks for your attention!



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