



IDART

-A National study on Traumatic Injuries and Injury Prevention

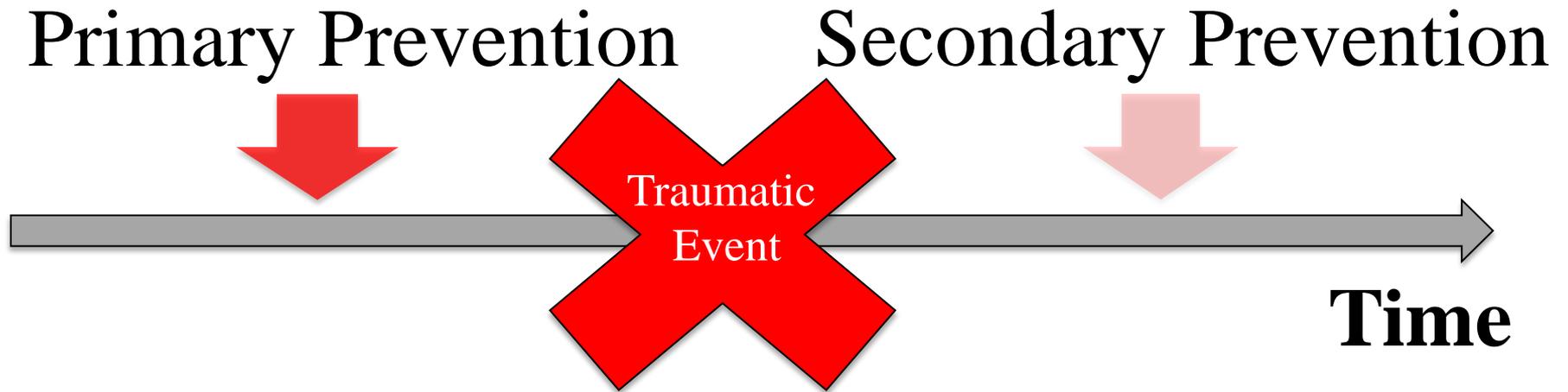
Benedicte Jørgenrud
Project coordinator
Oslo University Hospital
Department of Forensic Sciences

Background- traumatic injures

- **Traumatic injuries** are any injuries that have potential to cause prolonged disability or death.
- Traumatic injuries are among the top ten most common causes for death, and 5th most common cause of years lived in disability.
- Norway: 8000 patients with trauma team activation.
- Norway: 2500 people die from injury each year, and 47% of all deaths in the ages from 1-44 years are injury-related.



Background- traumatic injures



Prevalence of alcohol, medicinal and illicit drugs in Emergency Department in Oslo

	Type of Injury mechanism			
	Violence (N=149)	Fall (N=605)	Other (N=417)	Traffic injury (N=445)
Alcohol	66%	23%	16%	22%
Medicinal drugs	13%	23%	10%	14%
Illicit drugs	24%	5%	7%	7%
Any substance	76%	41%	26%	32%

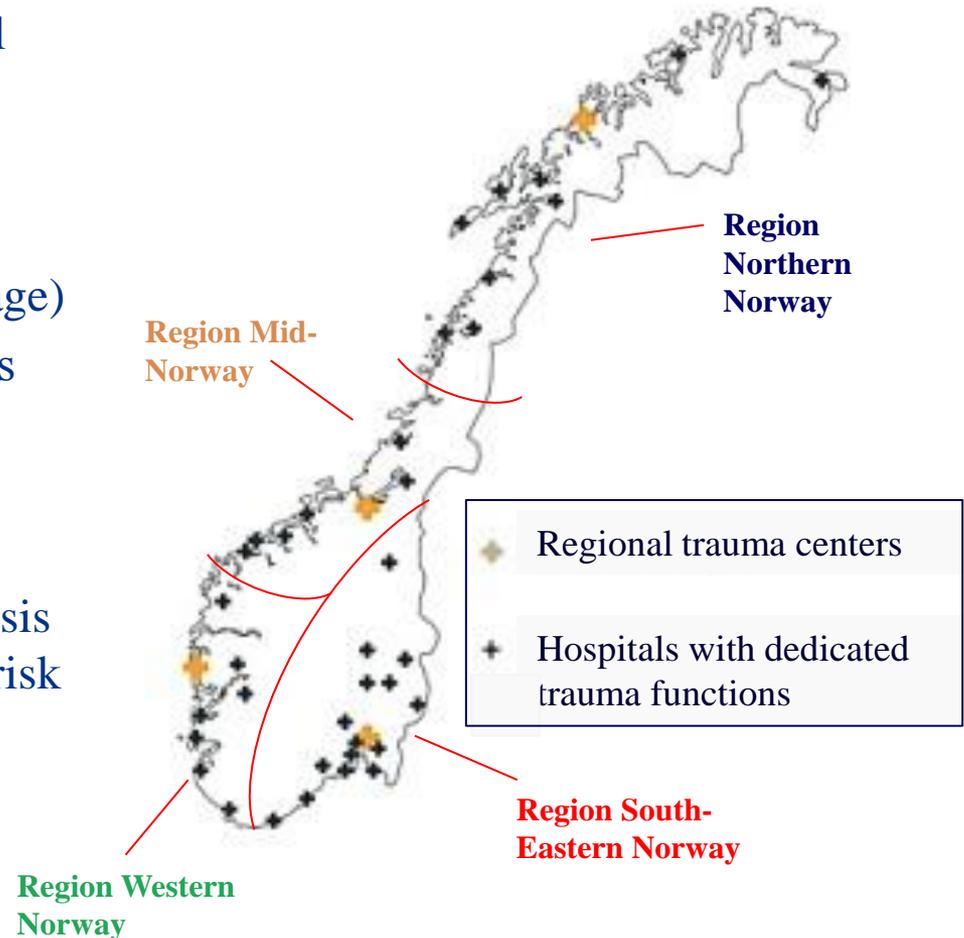
Bogstrand, 2011. Analysis performed in blood. Ethanol cutoff: 0.1 g/kg, limit of detection (LOD) for each substance (3-5 times S/N) used as cutoff for medicinal and illicit drugs.

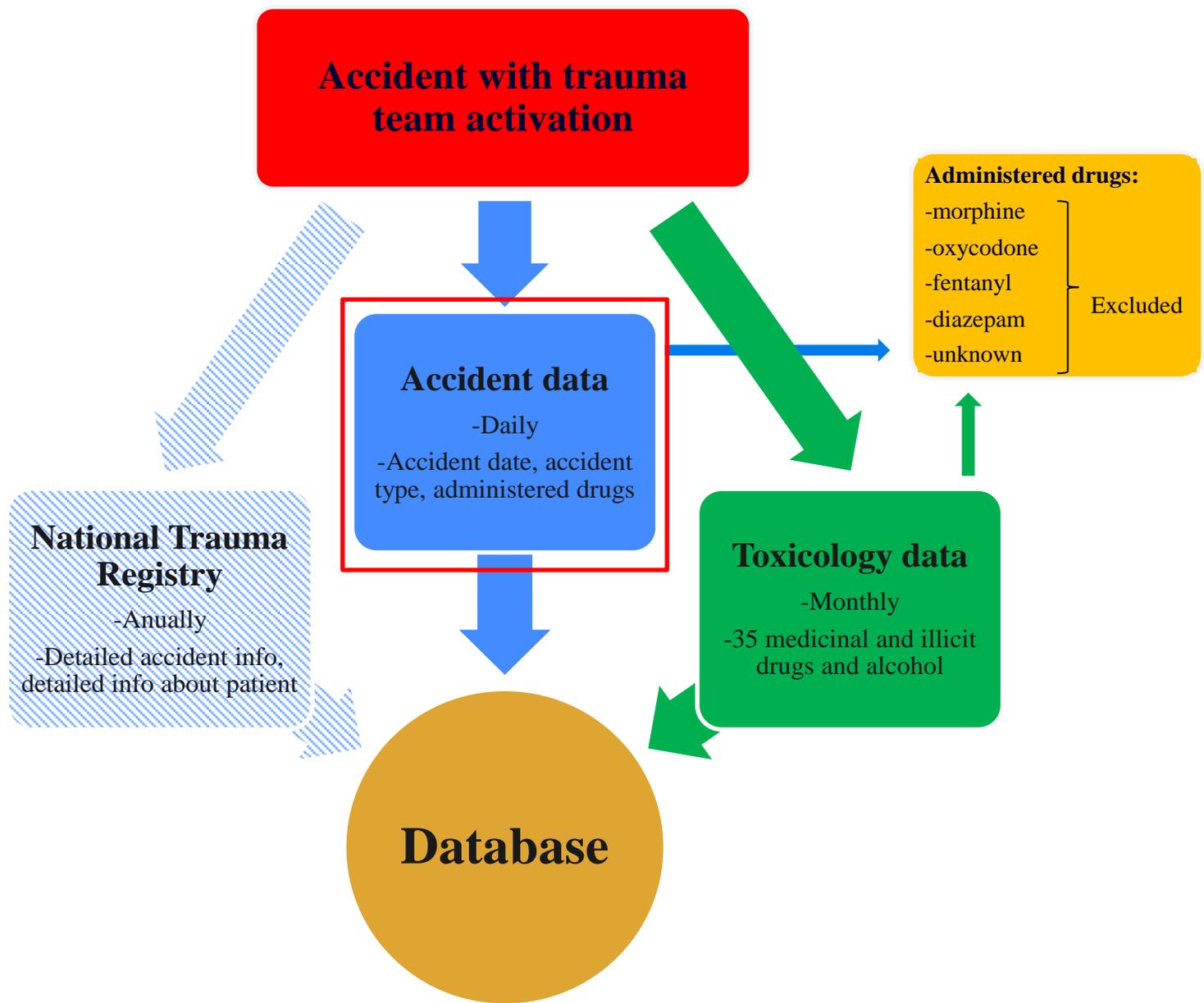
Impairing Drugs and Alcohol as Risk Factors for Traumatic Injuries (IDART)

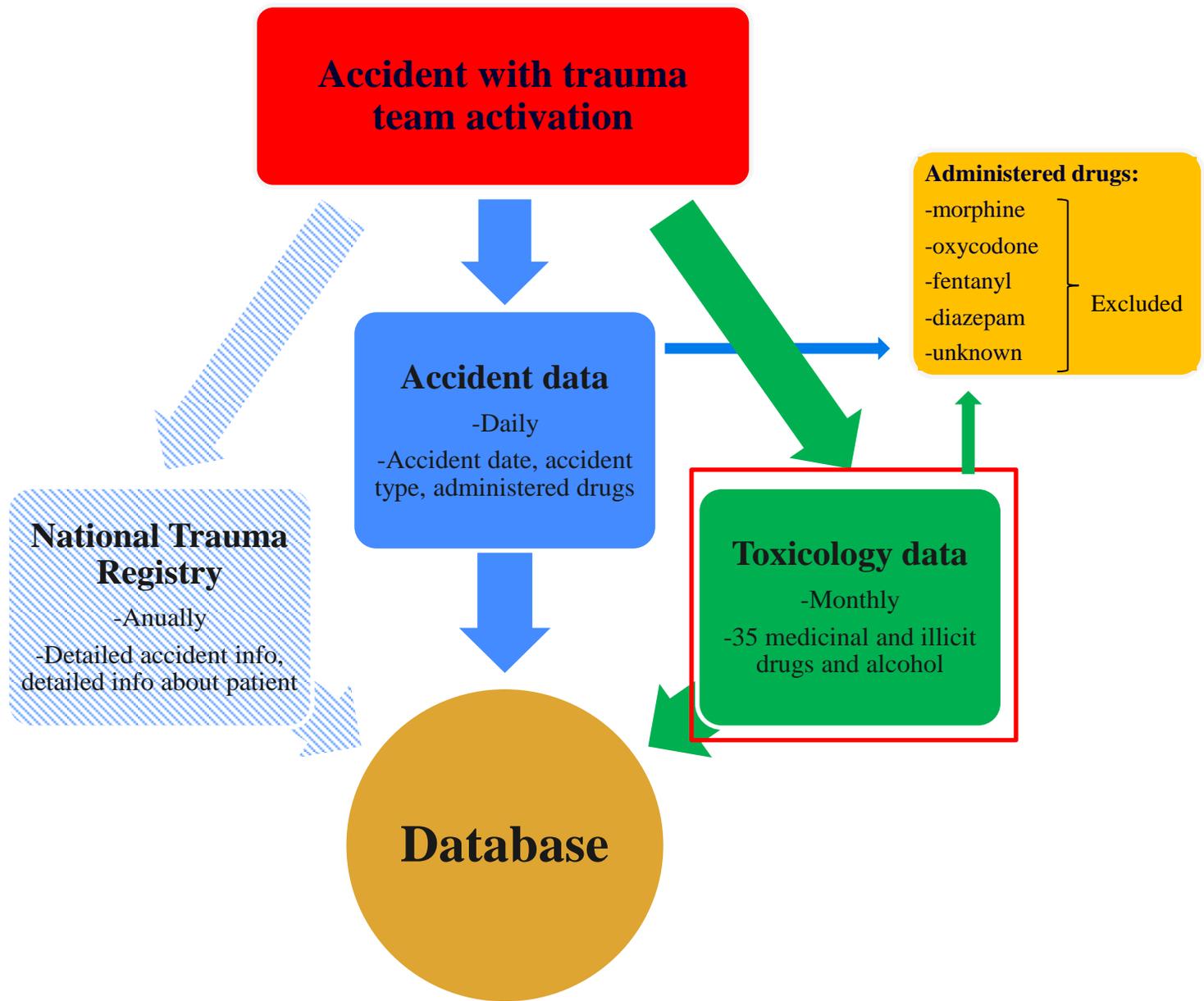


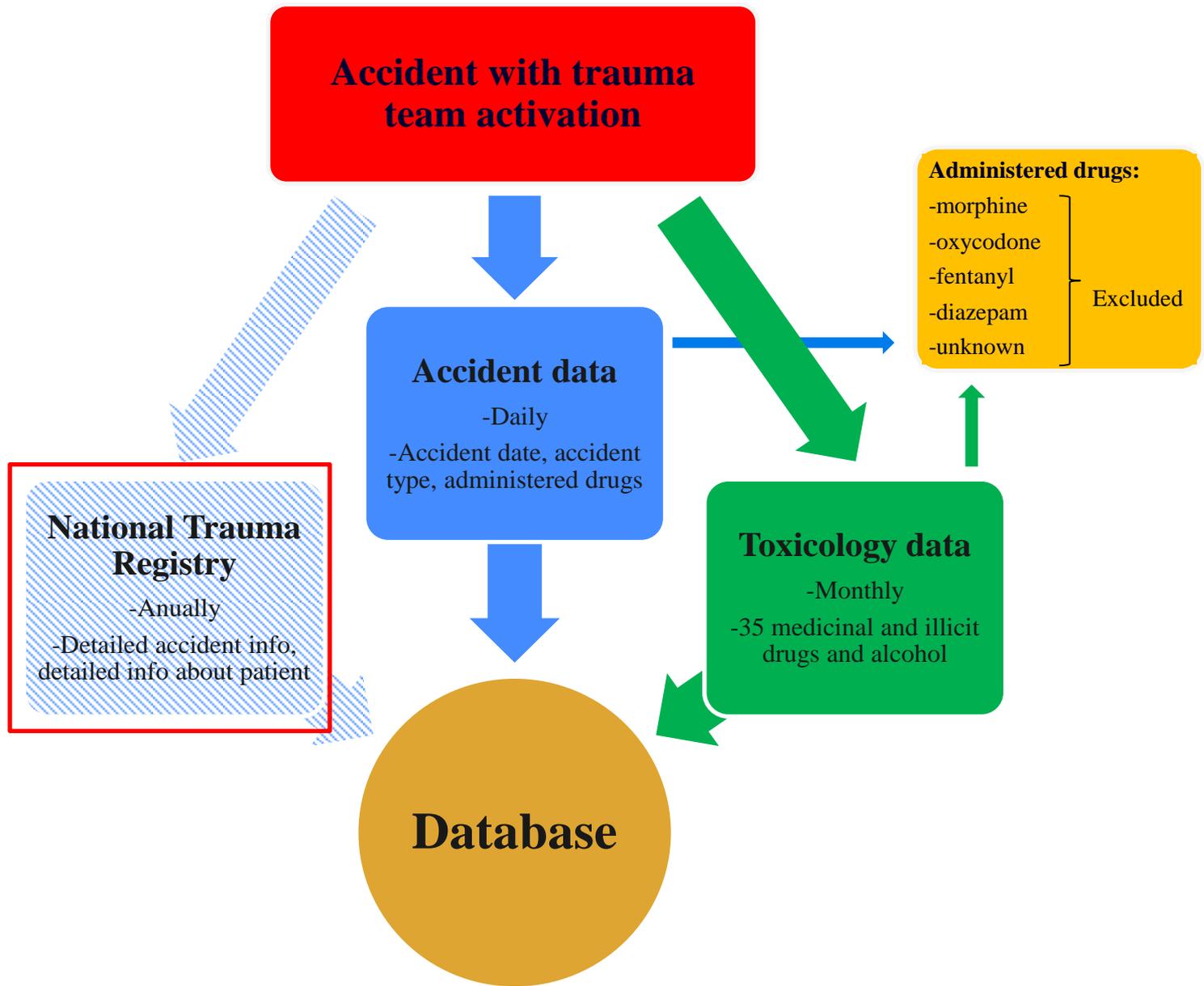
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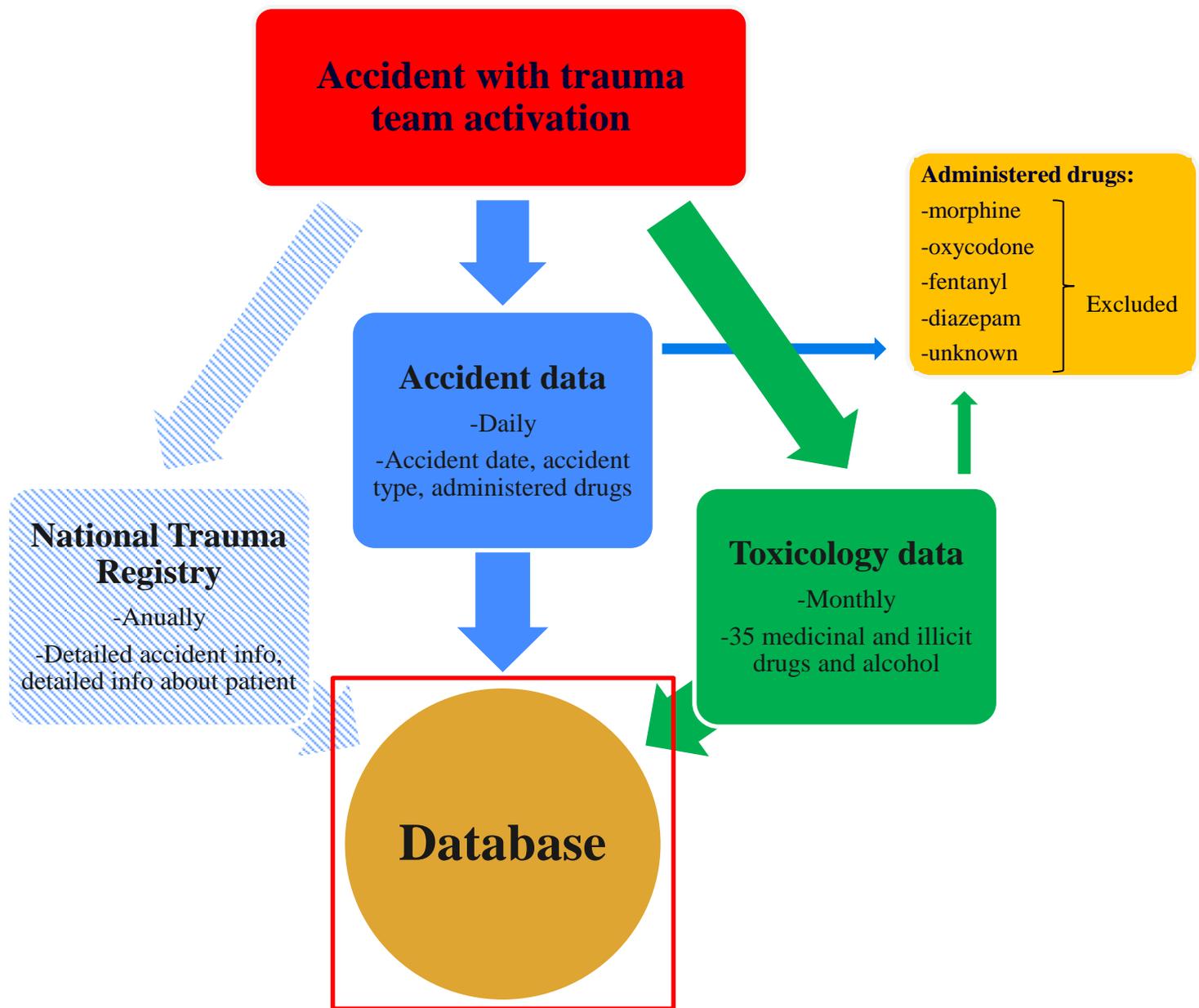
- National, prospective observational study
- Main study: Mar-19 to Feb-20
- 38 trauma hospitals
- All trauma patients (≥ 16 years of age)
- Trauma team activation (US CDC's guidelines)
- **Aim:** Injury prevention through improved data collection and analysis on impairing drugs and alcohol as risk factors



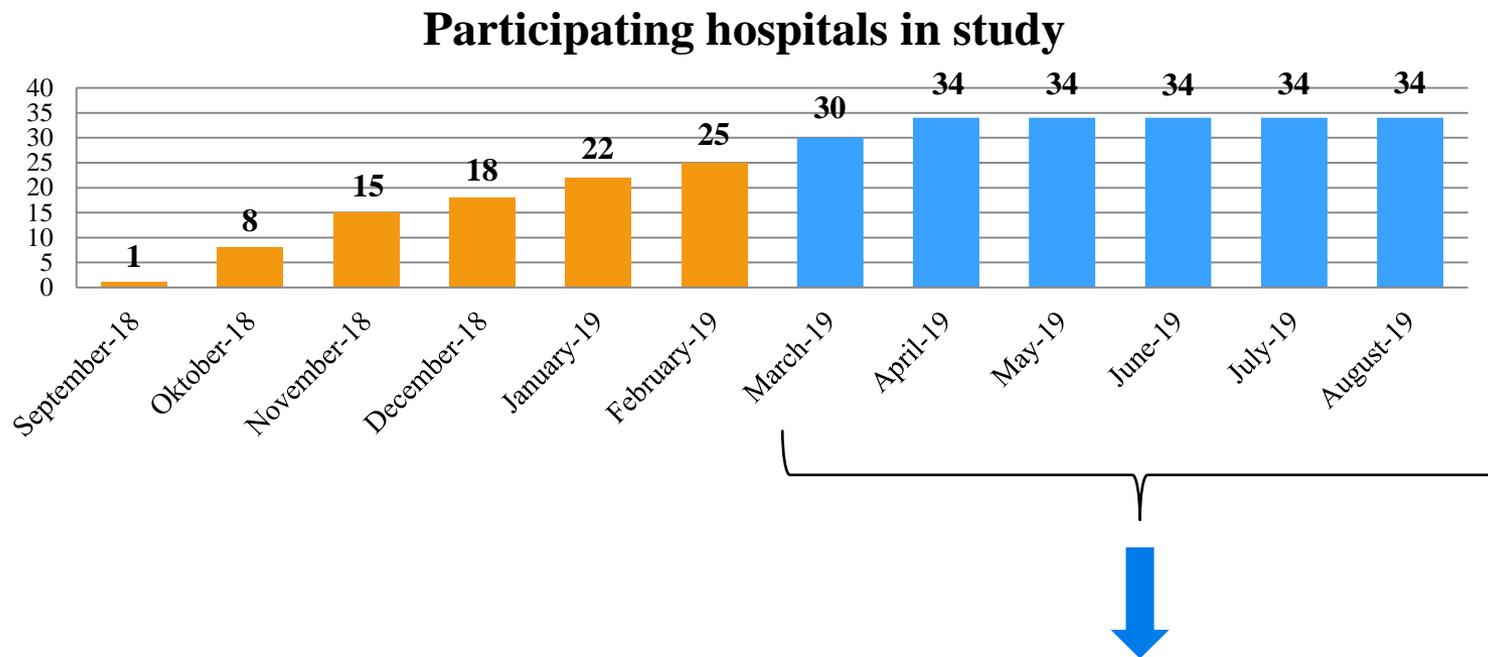






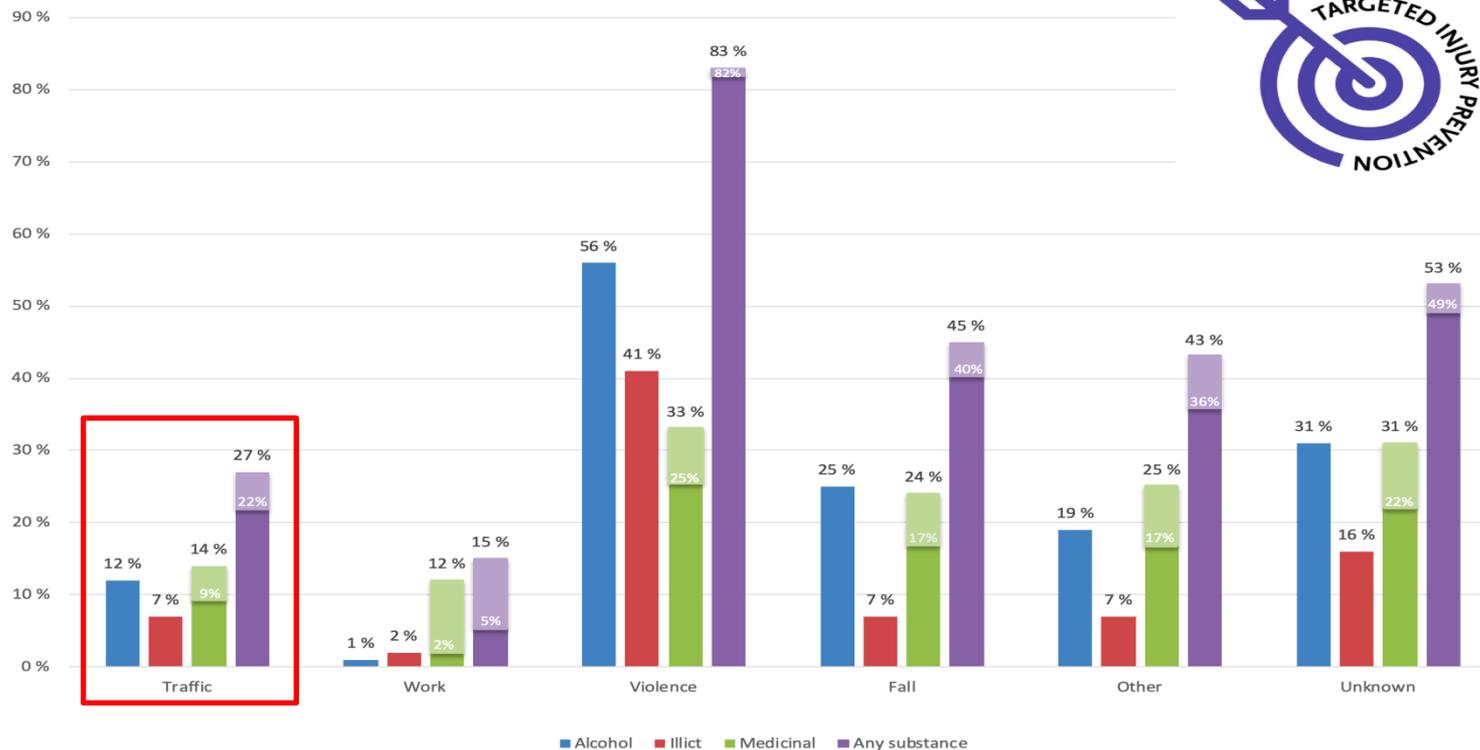


Preliminary findings- participating hospitals



Injury mechanism	Violence	Fall	Work-related	Traffic accident	Other	Unknown	Total
N (%)	207 (6.9)	922 (30.7)	82 (2.7)	1447 (48.1)	299 (9.9)	49 (1.6)	3006

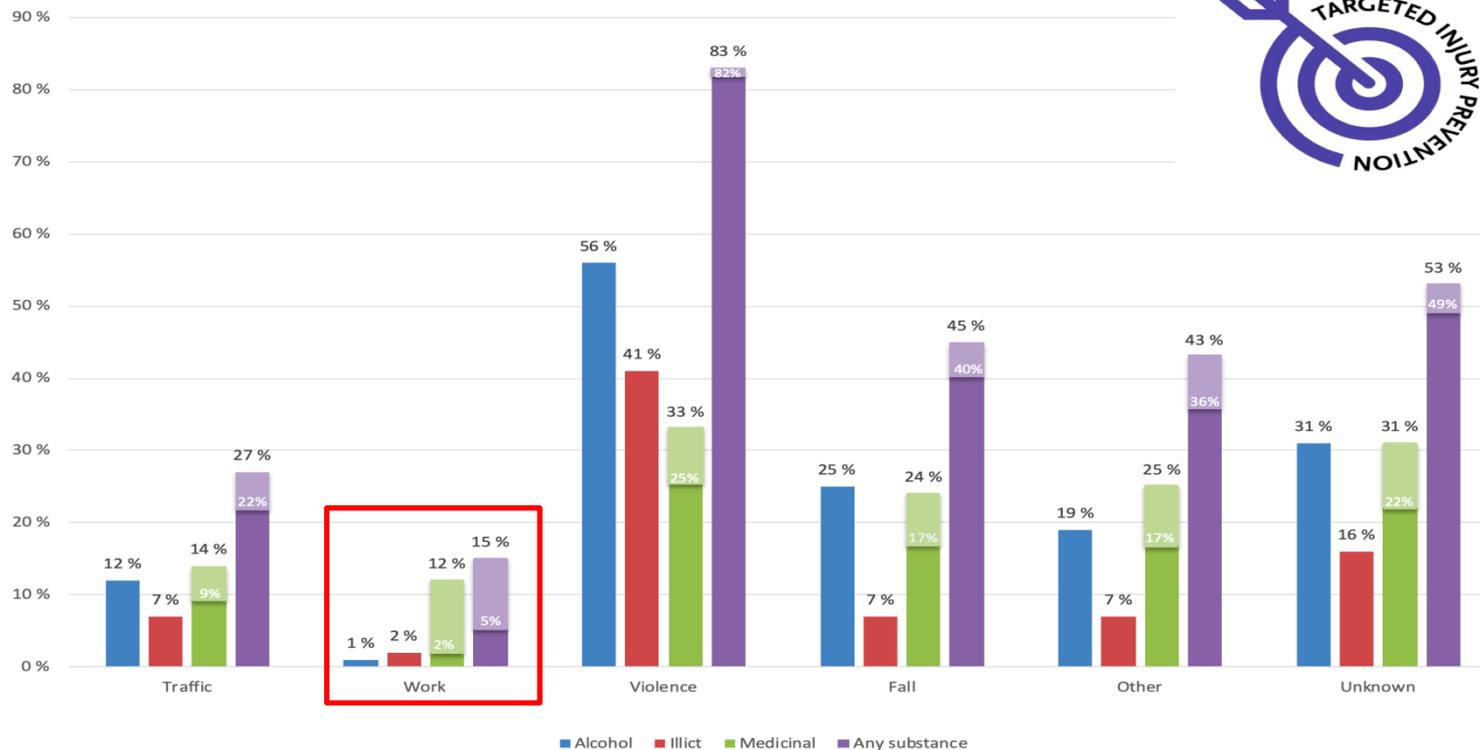
Preliminary results- alcohol and drugs



***Medicinal drugs:** alprazolam, diazepam, flunitrazepam, clonazepam, nitrazepam, oxazepam, zopiclone, zolpidem, buprenorphine, methadone, morphine, oxycodone, codeine, tramadol, fentanyl, amitriptylin, alimemazine, quetiapine, levomepromazine, hydroxyzine, lamotrigine, pregabalin, gabapentine.

****Illicit drugs:** THC, cocaine, amphetamine, metamphetamine, MDMA, diclazepam.

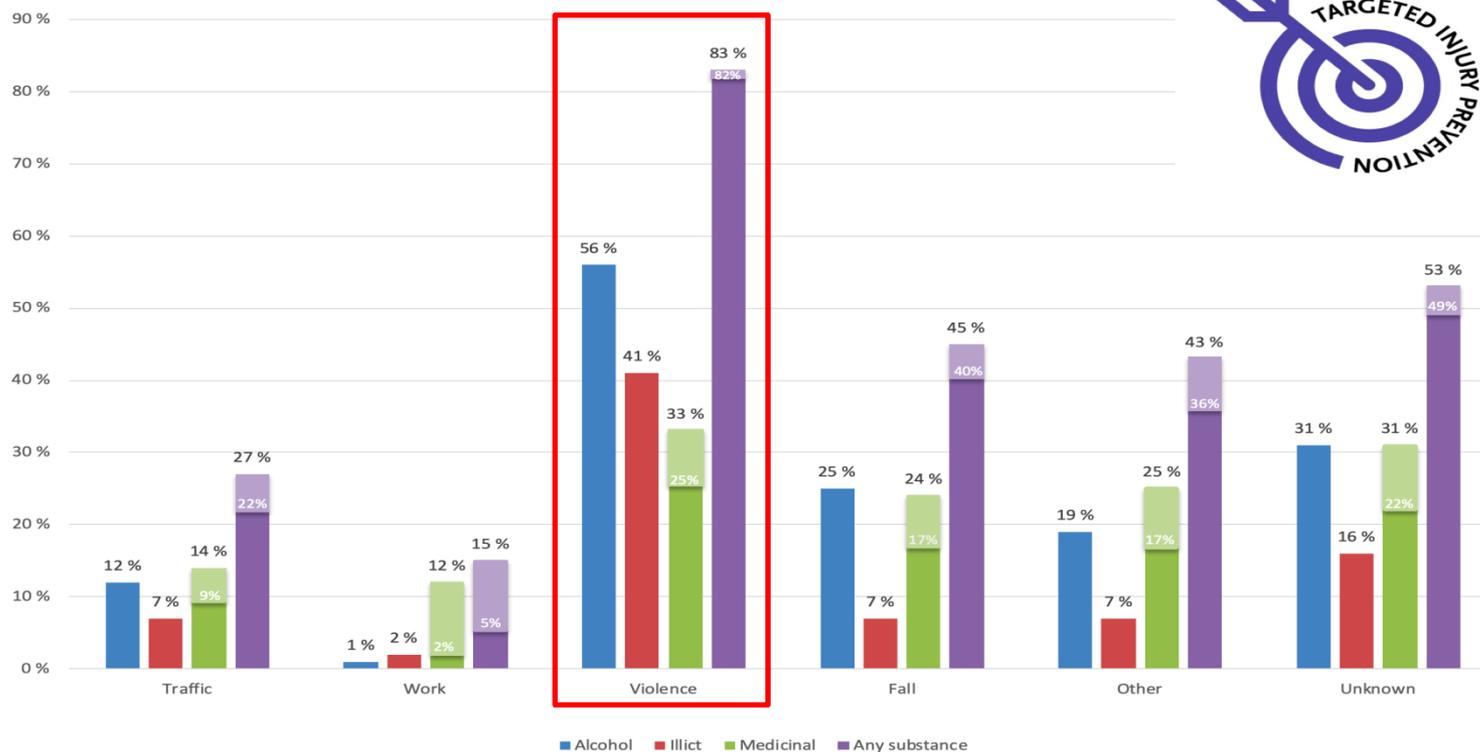
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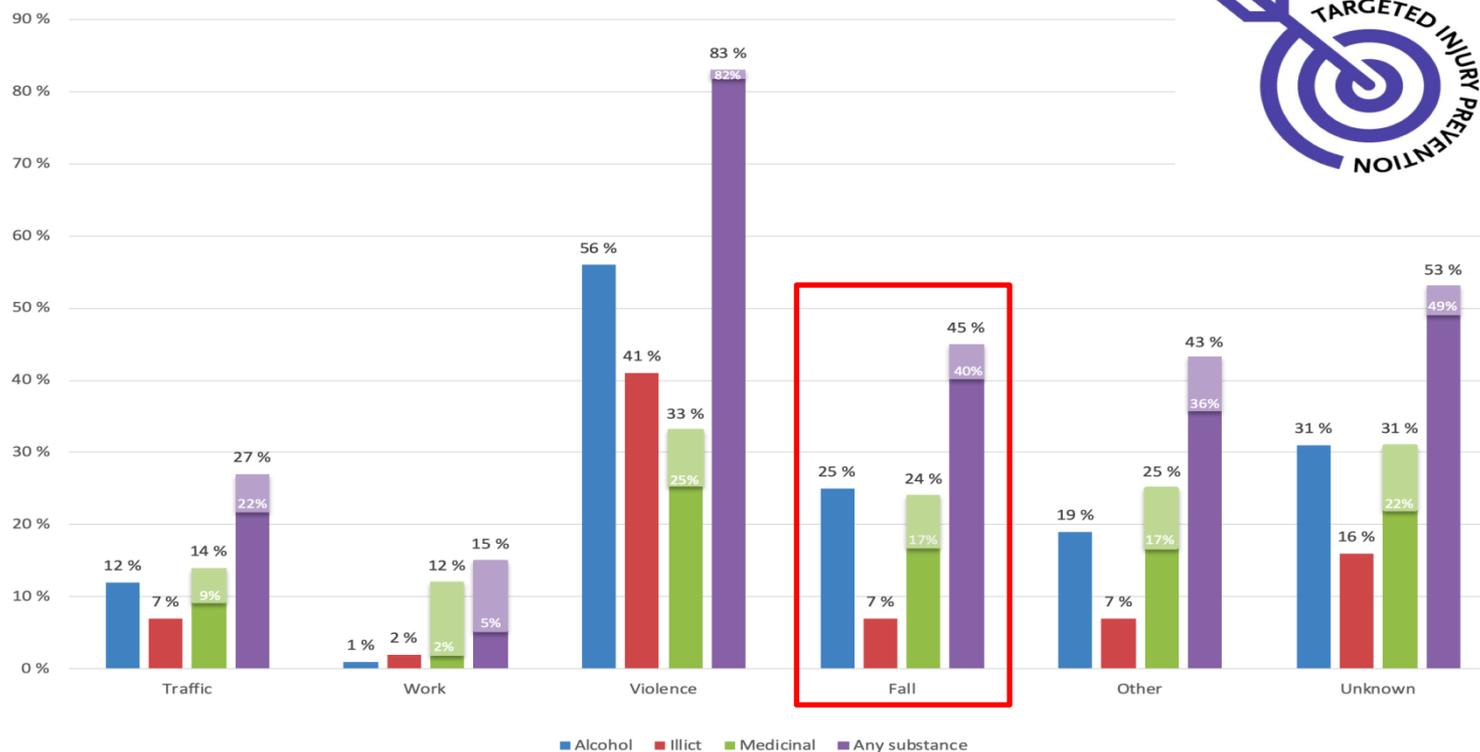
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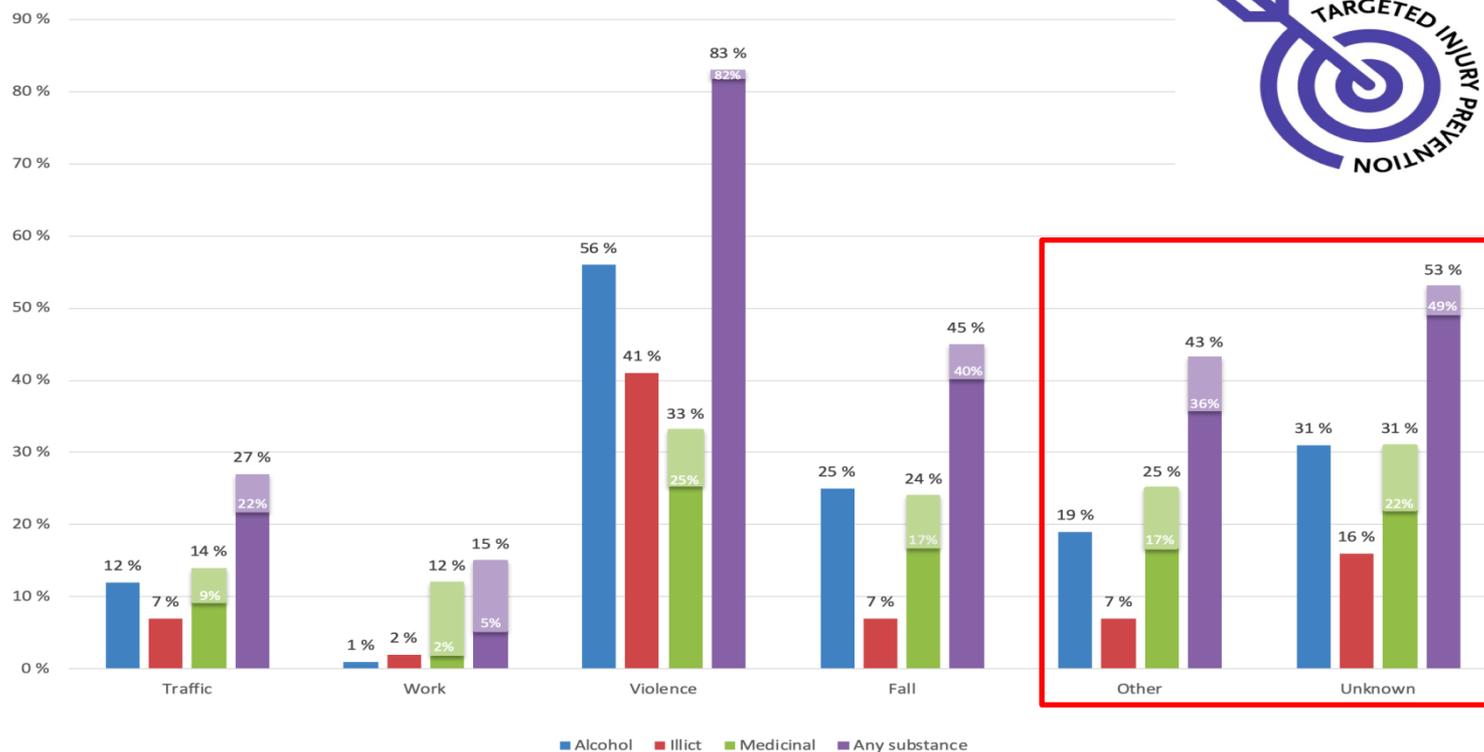
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Conclusion

- 3006 patients included in the first half of the study period
- Both alcohol (≥ 0.2 g/kg) and medicinal drugs are commonly used
- High substance use among patients involved in violence

Disclaimer

- The findings presented are preliminary, aggregated data
- Examine administered drugs more closely
- Complete database will exist after linkage to National Trauma Registry

Thank you!



Thomas Kristiansen



Leiv Arne Rosseland



Stig Tore Bogstrand



Camilla C. Bråthen



Lars Lien



Hallvard Gjerde



Eline Skadberg

Questions?

E-mail: bemjoe@ous-hf.no

