

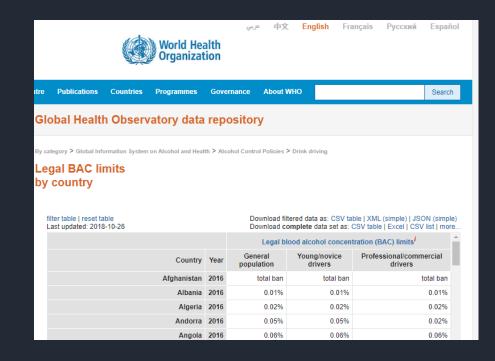
Key points to our written and verbal submission and policy recommendations:

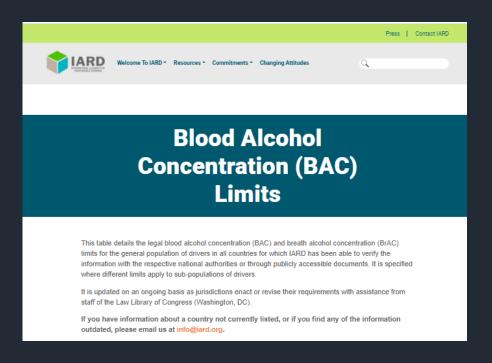
- Limited to the proposal for a 0% BAC Limit (clause 46 of the bill);
- Highlight concerns about practicalities (alcohol in foods, medicines) and the cost of enforcement;
- Give our consideration for maintaining the current limits (which does not preclude stricter enforcement of e.g. serious vehicular crimes);
- Point to some 'less restrictive policy options' available (international comparison of policies);
- We give reasons to maintain a legal limit vs a complete Zero BAC approach.



International comparison out of 194 countries

WHO, IARD datasets
Legal BAC limits on general population





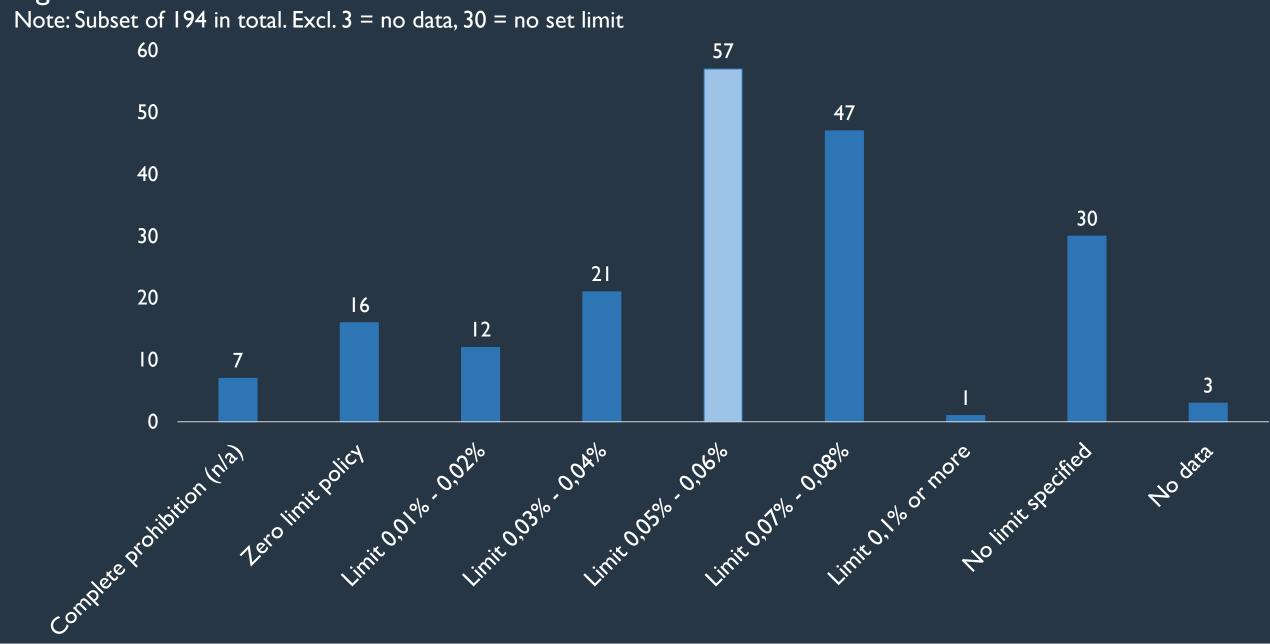


International comparison out of 194 countries

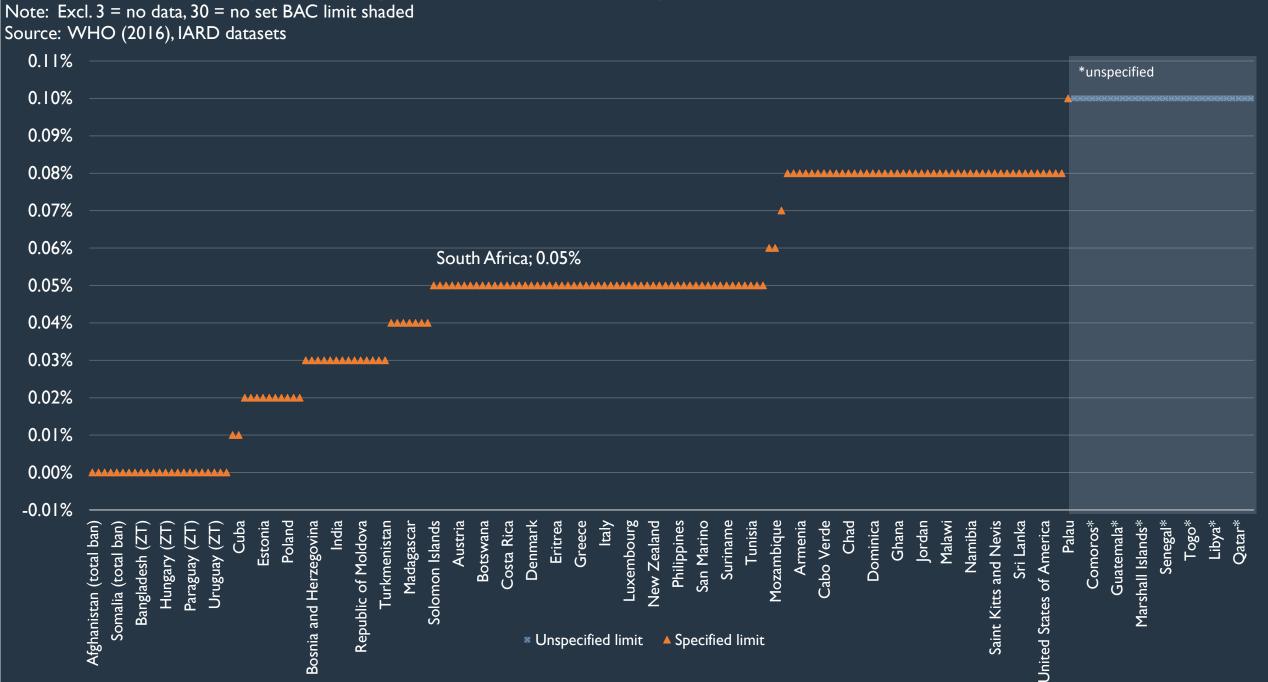
Countries / Regions
Complete prohibition (n/a)
Zero limit policy
Limit 0,01% - 0,02%
Limit 0,03% - 0,04%
Limit 0,05% - 0,06%
Limit 0,07% - 0,08%
Limit more than 0,1%
No limit specified
No data



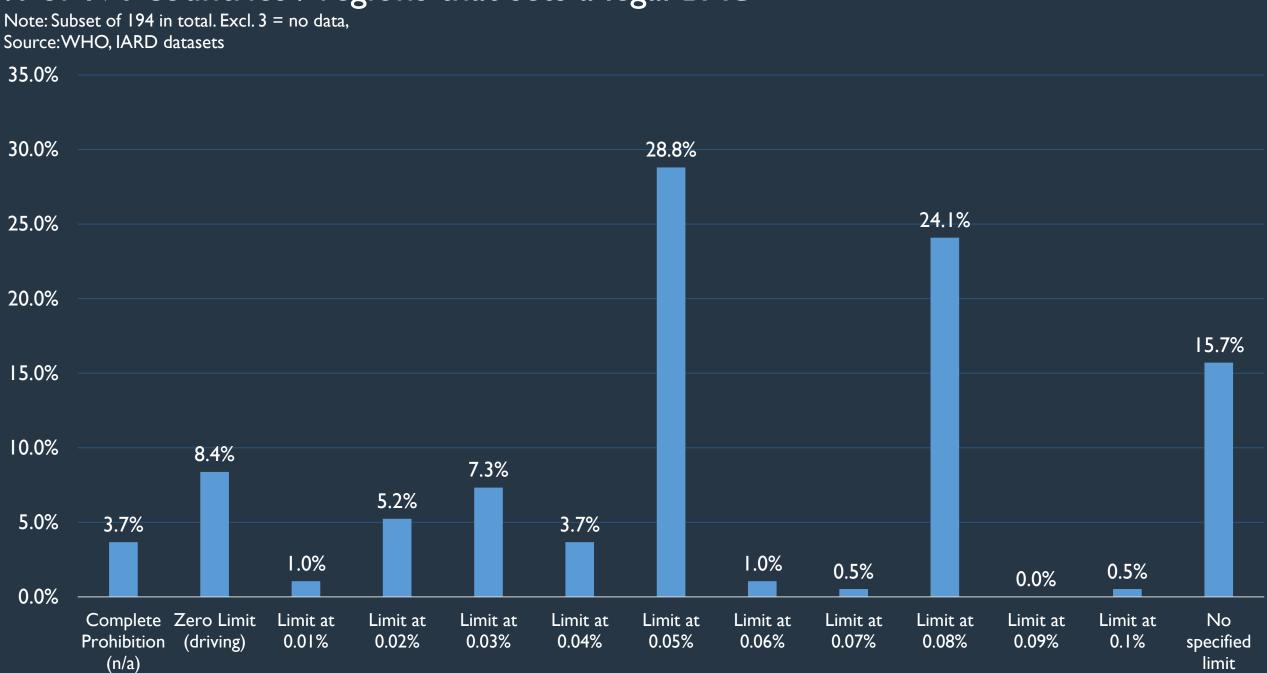
Further breakdown: Comparison of legal limits 194 countries/regions with a legal BAC



191 Countries / regions comparison of levels of legal BAC limits



% of 191 countries / regions that sets a legal BAC



Zero BAC limits: Only 16 out of 194 countries of regions

SA's current BAC legal limit (general population is around midpoint)

 Observation: There is plenty room to set stricter limits without immediately applying a zero limit.



International comparison

- other approaches to 'drink driving' legislation



Graduated penalties and criminal sanction at higher BAC levels.



International comparison: Differentiated legal approaches -

'Decriminalisation' at lower BAC limits (e.g. warnings, fines) and criminal sanctions only at higher BAC limits:

- Romania: Graduated penalties. "BAC >0.80 incurs criminal sanctions" (IARD)
- E.g., Moldova, Norway, Panama, Paraquay: Penalties are graduated by BAC or BAC/BrAC (IARD)



International comparison:

- example of **Brazil** proves informative.



Example of Brazil

Relevant considerations e.g. Brazil's Zero Tolerance policy

- Zero tolerance policy, but with a small BAC limit (practicalities)
- Reasons: "According to the Resolution, violation of article 165 of the Brazilian Traffic Code is established when the driver of a motor vehicle has a blood level with any concentration of alcohol or breath alcohol level higher than 0.05 miligrams per liter of air (amounts below that are within the margin of error of the equipment)." Source: Library of Congress https://www.loc.gov/law/foreign-news/article/brazil-zero-tolerance-of-drunk-driving/
- Note that equipment "margin for error" e.g. breathalysers, in Brazil's situation, it was apparently taken into consideration.



Example of Brazil

Relevant considerations e.g. Brazil's Zero Tolerance policy ("Dry Law")

• "Brazil has a 'dry law' indicating a nearly zero alcohol tolerance law regarding driving. The tolerated blood alcohol limit is 0.2g/l, to allow for alcoholic mouthwashes or certain medicines."

Source: https://www.angloinfo.com/how-to/brazil/transport/driving/drinking-driving



In our submission: Medicines with alcohol

- Andolex-C: "Contains alcohol 9% v/v"
- Bioplus syrup: "Alcohol 10,00% v/v

Bioplus Syrup contains B-complex vitamins and caffeine to give you a go! Bioplus syrup also comes in 200 ml and 500 ml bottles. Reg. No. G2657 (Act 101/1965)

Bioplus® Syrup

Each 30 ml contains:

Caffeine 270 mg

Thiamine HCI (Vitamin B1) 16 mg

Riboflavin (Vitamin B2) 11 mg

Nicotinamide (Vitamin B3) 42 mg

Pyridoxine HCI (Vitamin B6) 9 mg

Cyanocobalamin (Vitamin B12) 26 μg

d- Pantothenol 11 mg

Calcium citrate 180 mg

Calcium gluconate 900 mg

Alcohol 10,00 % v/v

Preservatives

Methylhydroxybenzoate 0,09% m/v

Propyhydroxybenzoate 0,01% m/v

In a pleasant tasting glucose base.

Contains sugar:

Sucrose 7,20 g

Liquid glucose 8,70 g

Ref. No. G2657 (Act 101/1965)

Bioplus syrup is formulated with caffeine and B vitamins to provide you with both physical energy and mental vitality.

Source: https://bioplus.co.za/syrup/ (date of last access: 2020/11/20)





Foods that contain alcohol

Only limited examples:

- Pure Vanilla, Almond & other "extracts"
- Foods that include cooking wines
- Some vinegars (small amounts)
- Some mustards (Dijon mustard) made with white wine.
- Some Soy sauces (e.g. Kikkoman soy sauce)

Source: https://www.alcoholproblemsandsolutions.org/many-foods-contain-alcohol-discover-which-ones-do/



Further info: Effect of **small amounts of alcohol** appears different from larger amounts.

NB: Point we wish to defer to medical experts for clarification:

"Alcohol produces both stimulant and sedating effects in humans. These two seemingly opposite effects are central to the understanding of much of the literature on alcohol use and misuse."

- Chapter from Stimulant and sedative effects of alcohol – Springer link, https://link.springer.com/chapter/10.1007%2F978-3-642-28720-6_135



Impact on law enforcement and policing resources?

Crime category	April 2017 to March 2018	April 2018 to March 2019
Illegal possession of firearms and ammunition	17 558	15 839
Drug-related crime	323 547	232 657
Driving under the influence of alcohol or drugs	86 160	82 912
Sexual offences as a result of police action	6 701	7 977
Total	433 966	339 385

Source: SAPS annual report 2018 / 2019



Impact on law enforcement and policing resources?

According to the SAPS annual report 2018 / 2019:

- FJ 2018 saw around 84 900 arrests for DUI and around 82 000 in FJ 2019.
 - 5,2% of all arrests in 2018 (FJ)
 - 5,4% of all arrests in 2019 (FJ)
- Zero limit is likely to increase arrests for DUI significantly (evidently even at minute BAC concentrations), arrests must be processed (lasting effects)
- If police / courts spend more resources on such enforcement, what would be the impact on other categories of crimes (e.g. enforcement of other crimes?)



Economic spill-over effects (raise a concern):

- Effective restriction on sales (even one drink) in some scenarios.
- Such effects on sales may compound across industries such as tourism, restaurants.
- Unsure about the size of effect recommend seeking clarity on economic impact of a zero limit.
- Socio-Economic Impact Assessment



Preference: Maintain current limits, does not exclude stronger enforcement

- **Proposal:** Do not apply a zero limit without considering:
 - More international comparison
 - Lessons from examples such as Brazil (e.g. equipment "margin for error")
 - practicalities
 - Differentiated legal approaches of other countries a "graduated" penalty perspectives.
 - Likely impact of "zero limit" ito certain medicines, foods
 - Scientific questions on alcohol in small quantities refer committee to medical experts and pharmacists.
 - Economic spillovers eg. cost of removing "one drink" from many businesses.
 - Impact on competing resources for policing increase in DUI arrests.



Preference: Maintain current limits, (NB) does not exclude possibility of stronger enforcement

- **Proposal:** Do not apply a zero limit without considering:
 - More international comparison
 - Lessons from examples such as Brazil (e.g. equipment's "margin for error")
 - practicalities of enforcement
 - Differentiated legal approaches of other countries a "graduated" penalty perspectives.
 - Likely impact of "zero limit" ito certain medicines, foods
 - Scientific questions on alcohol in small quantities refer committee to consider medical experts and pharmacists.
 - Clarify economic spillovers e.g. cost of removing "one drink" from many businesses.
 - Impact on competing public resources for policing increase in DUI arrests (especially at low BAC Levels).



Thank you.

