

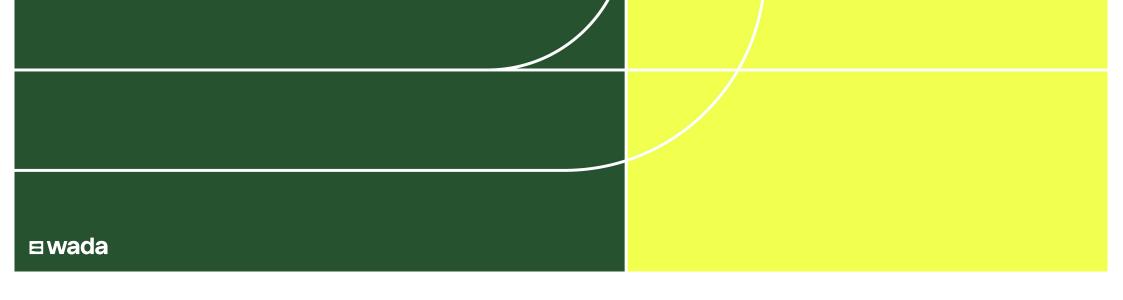
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Doping and Drugs of Abuse in Sports
Congres International de L'Albatros
Paris – 6 June 2024

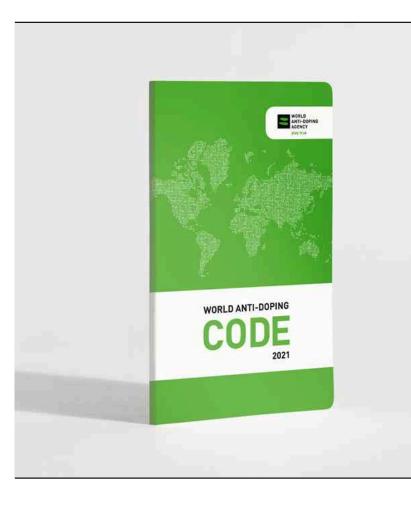
Prof Olivier R

Prof. Olivier RABIN
Sr Director Science and Medicine

Who we are



Who we are



- The World Anti-Doping Agency (WADA) was established in 1999 as an international independent agency to lead a collaborative worldwide movement for doping-free sport.
- As the global regulatory body, WADA's primary role is to develop, harmonize and coordinate anti-doping rules and policies across all sports and countries.
- Our key activities include:
 - scientific and social science research;
 - education;
 - □ intelligence & investigations;
 - development of anti-doping capacity; and
 - monitoring of compliance with the World Anti-Doping Program.

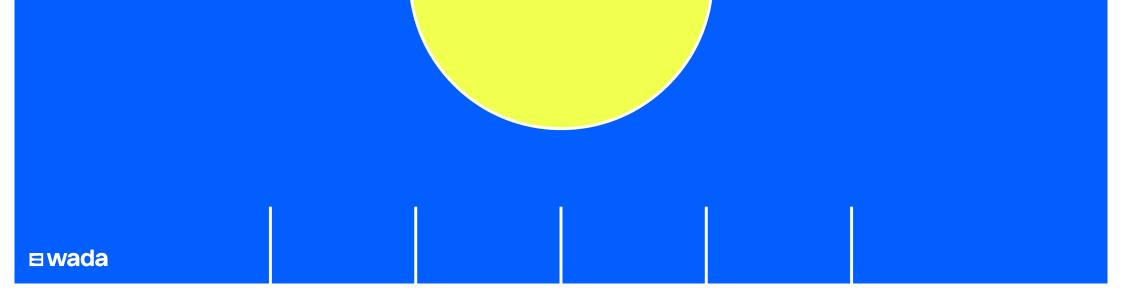
Our partners



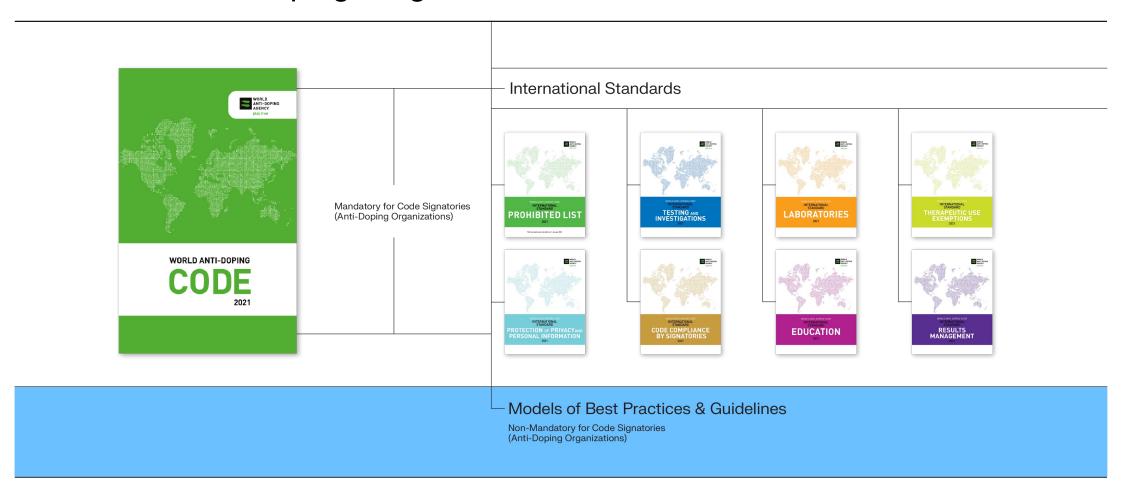
Athlete Community	Public Authorities (Governments)	Sport Movement	t	Anti-Dop Expert C	oing ommunity	Other Stakeho	ders
 Athletes (stakeholder group that is the most impacted by anti-doping policies and activities) Athlete entourage/ support group Athlete representative bodies 	Governments (50% donor) International organizations (UNESCO, Council of Europe, WHO, Interpol, etc.)	 IOC (50% donor) International Federations (IFs) IF umbrella organizations (ASOIF, AIOWF, GAISF, etc.) Other Sport Movement organizations (IPC, NOCs, etc.) Major event organizations Major private sports leagues 		NADOs and RADOs Laboratories Third-party service providers		 General public Media Pharmaceutical industry Sports science Academia & research Court of Arbitration for Sport 	

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What we do



The World Anti-Doping Program



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The Code and the International Convention against Doping in Sport (January 2024)





<u>Code</u>

~750

Signatories

The Code has been adopted by 749 Signatories (or Anti-Doping Organizations)

Convention

192

State Parties

192 State Parties have ratified the UNESCO International Convention against Doping in Sport – formally committing to align their domestic policies with the Code **Convention**

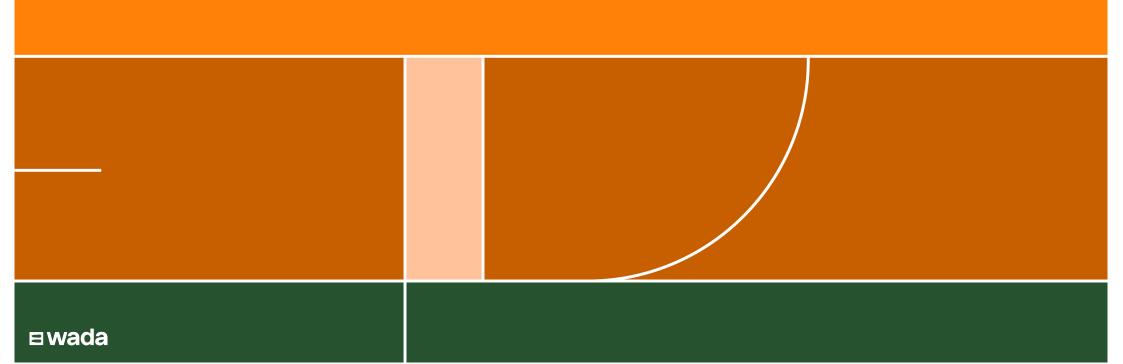
99%

Global Endorsement

At 99% global endorsement, the Convention is the second most successful in the history of UNESCO in terms of the rhythm of ratification post-adoption

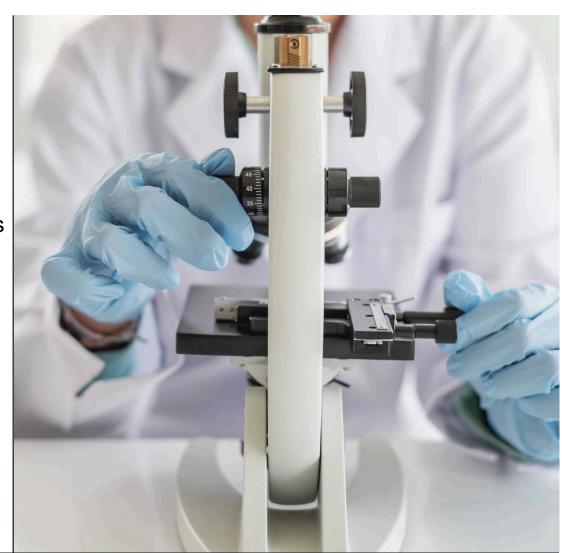
Note: As the Code is a non-governmental document that applies only to members of sports organizations, the UNESCO International Convention against Doping in Sport provides the legal framework under which Governments can address specific areas of the doping problem that are outside the domain of the Sport Movement.

Our Activities & Impact

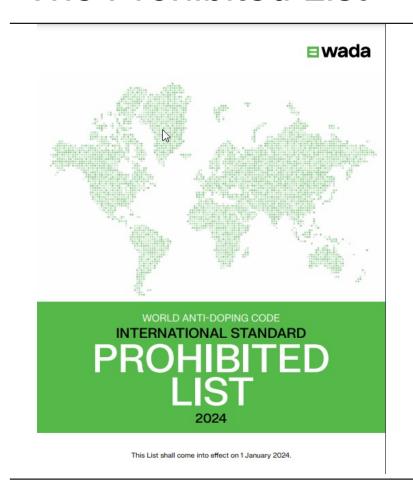


Science & Medicine

- We lead and collaborate to develop new and meaningful scientific and medical knowledge in the field of anti-doping.
- The Science and Medicine Department oversees five main areas:
 - 1. Scientific Research Program
 - 2. The List of Prohibited Substances & Methods
 - 3. Therapeutic Use Exemptions (TUEs)
 - 4. Athlete Biological Passport (ABP)
 - 5. Accreditation of Anti-Doping Laboratories

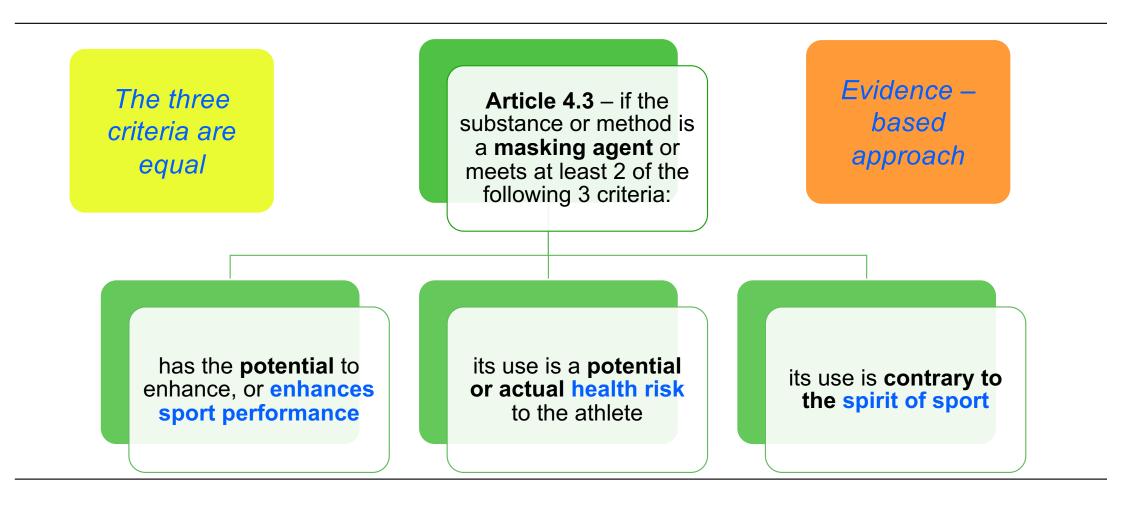


The Prohibited List

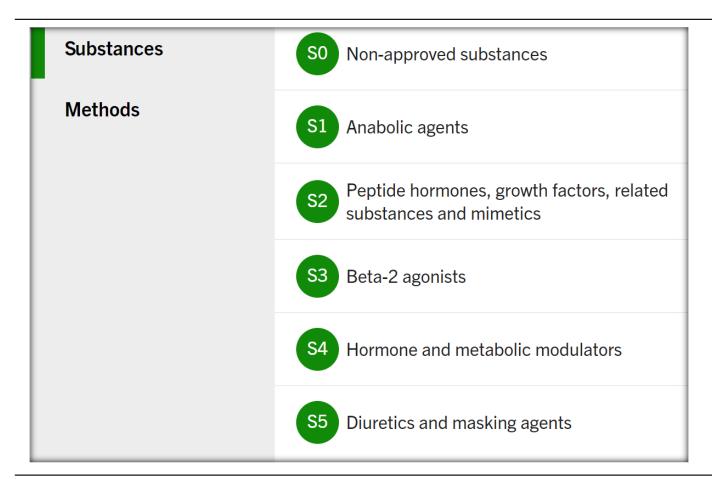


- Described in Article 4,World Anti-Doping Code
- International Standard
- Revised at least annually
- Determines the Substances & Methods prohibited in sport

Inclusion criteria

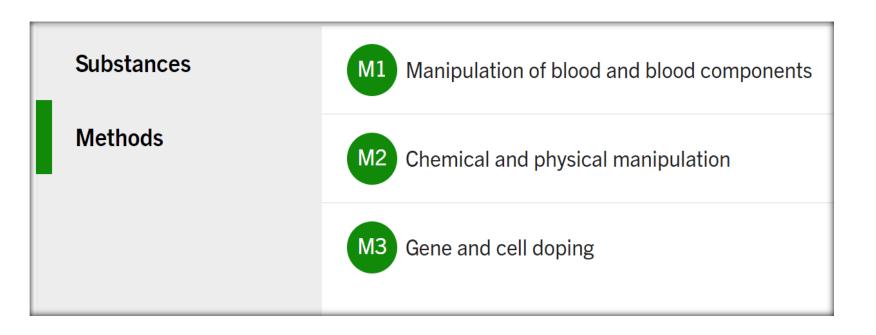


Substances - Prohibited at All Times

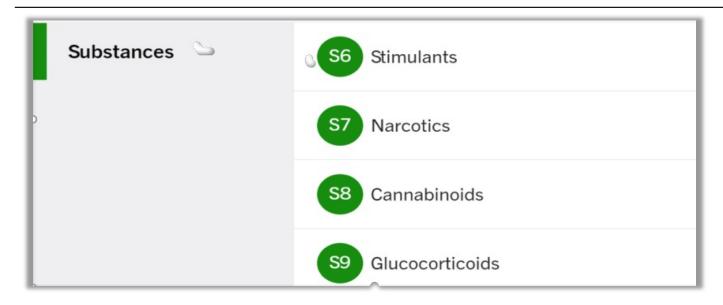


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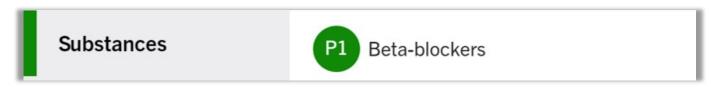
Methods - Prohibited at All Times



Prohibited In-Competition



Prohibited in Particular Sports



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Evolution of the List

Format and style updates for clarity and consistency



Stakeholder Comments

International changes in 'Standards of Care' and medical practice



Intelligence, Drug seizures, Doping trends



Distinguishing permitted therapeutic uses and routes from prohibited







INTERNATIONAL STANDARD

Legal & Ethical aspects



Emerging pharmacological breakthroughs



Monitoring program results



Current scientific knowledge (often from **WADA** research grants)



Improvements in analytical methods



Therapeutic Use Exemptions



Process to access to prohibited substances if/when medically justified:

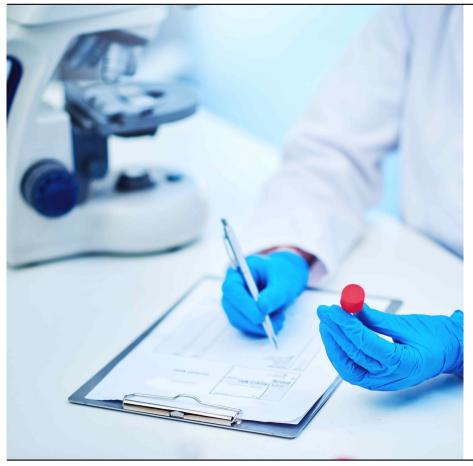
Provides athletes an opportunity to apply for a TUE and if granted, the authorization to use a prohibited treatment while competing in sport

The ISTUE provides a robust set of harmonized rules to regulate the granting of TUEs.

- ✓ protects all clean athletes
- ✓ promotes competition on a level playing field
- ✓ upholds a fundamental principle of fair sport, i.e. inclusion.

1% of athletes with TUEs at OPGs with 1% medal winners

Substances of Abuse



- 4.2.3 Substances of Abuse shall include Prohibited
 Substances specifically identified on the Prohibited List
 because they are frequently abused in society outside of
 the context of sport.
- 10.2.4.1 If the Athlete establishes that any ingestion or Use occurred Out-of Competition and was unrelated to sport performance, then the period of Ineligibility shall be three (3) months, and may be reduced to one (1) month if the Athlete completes a Substance of Abuse treatment program approved by the Anti-Doping Organization.
- SoA: Delta9-THC; cocaine, heroin, MDMA (ecstasy)

5-Year Figures for SoA

The same of the sa										
Year SoA	2022 (N=231334)	2021 (N=219126)	2020 (N=138818)	2019 (N=252708)	2018 (N=239195)					
D9-THC	134	91	42	130	141					
Cocaine	63	64	33	77	87					
MDMA	6	4	4	1	9					
Heroin	0	1	0	0	0					

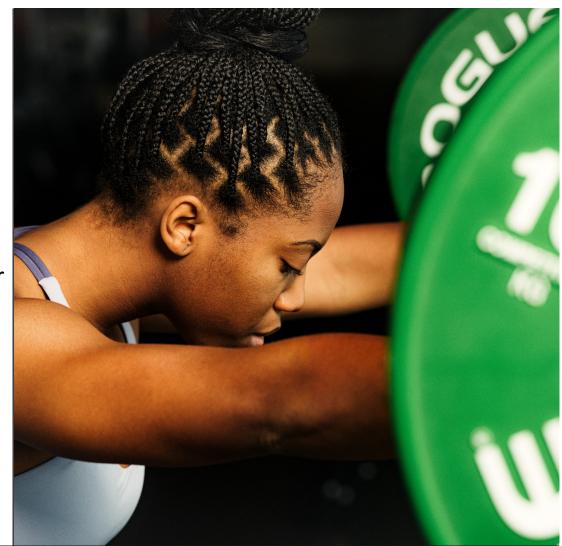
INTERNATIONAL OLYMPIC COMMITTEE (IOC) STATEMENT



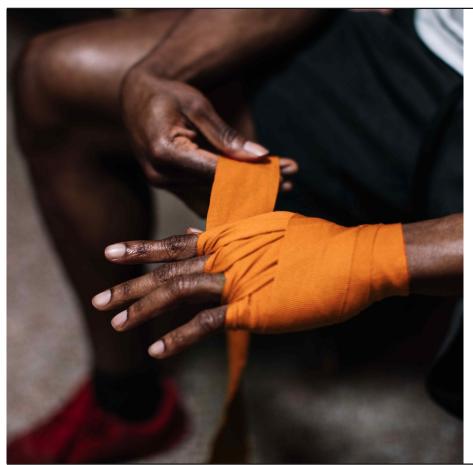
- Elite athletes are at risk of developing substance abuse, gambling, and gaming addiction.
- Elite athletes are vulnerable due to their high disposable income, competitive personalities and desire for challenges, propensity for sensation seeking and impulsivity, thrill of risk taking, and as an escape from the pressures of competing.
- Illicit substances and/or gaming used to self-medicate, destress and deal with an intense training schedule, dip in performance, media scrutiny, career threatening injuries and more.
- However, Data on mental health and wellbeing of elite athletes is limited due to lack of high-quality, systematic studies (Currie et al 2021).

Mental Health & Substance Abuse

- Circa 2015 : antidepressant consumption in elite population at least equivalent to population.
- 2018-9: IOC: Consensus report on mental health in sports. ~35% of elite athletes affected by some form of mental heath during their career
- 2020ies : Elite athletes become more vocal on mental health issues
- 2023: S4H initiative (WHO, IOC, WADA) include mental health in sports as a priority theme
- 2024: L'Equipe: 20-35% of professional footballers have mental issues during their career.



A Taboo is falling...



— 2024: Nufar study in Qatar :

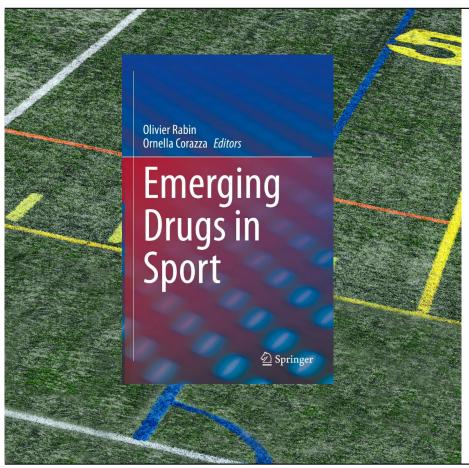
Determine the prevalence of anxiety and depression

Determine the prevalence of SUDs and gaming addiction

Assess the association between mental health disorders and addiction (substance and gaming).

- 2024-2026 : Addiction Center in Trentino for athletes –
 Legacy to 2026 Olympic-Paralympic Games
- 2024-2027 : Adjustments of the WADC to better address health aspects of Substances of Abuse

Sport Performance or Body image...



- Relationships between IPEDs, Physical Exercise and Mental Disorders
- Social and unrealistic drive to "body perfection"
- Body Dysmorphic Disorder (BDD) / Muscle Dysmorphia (MD) pathological preoccupation with muscularity and leanness
- Mental Health issues
- Population with higher consumption of substances
- Role of IPEDs and NPS in etiopathophysiology of mental illnesses
- Case studies.

