

Doping prevalence among U.S. elite athletes subject to drug testing under the World Anti-Doping Code

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Prevalence Items Used in this Manuscript

Binary prevalence items with preceding instructions and disclaimer (all with response scale of No, Yes):

On the following screens, we are going to ask you about whether you have engaged in different behaviors over the past 12 months.

As a reminder, **we take your anonymity very seriously** and have taken multiple measures to safeguard your responses.

To protect your privacy as you take the survey, each question about your behavior will be asked on a different page so that your answers will only be on the screen briefly.

The goal of this research study is to get a sense of what elite athletes, as a group, are doing, **not** to find out what you may have done or what substances you may have used. Therefore, **your honesty is extremely important** and will help us understand elite athletes like you so that you can be better supported in your sport.

As a reminder, there is **no identifying information attached to this survey**, including sport, so there is no way for researchers or USADA to identify who you are.

- During the **past 12 months**, have you used any prohibited **anabolic agents**?

Examples of prohibited **anabolic agents** include, but are not limited to: anabolic steroids like testosterone, DHEA, stanozolol, other anabolic agents like clenbuterol, selective androgen receptor modulators (SARMs) like ostarine and LGD-4033

*If you **only** have used this substance while you had a Therapeutic Use Exemption (TUE) for this substance, select "No."*

- During the **past 12 months**, have you used any prohibited **peptide hormones or growth factors**?

Examples of prohibited **peptide hormones or growth factors** include, but are not limited to: erythropoietin (EPO), peptides, human growth hormone (hGH)

*If you **only** have used this substance while you had a Therapeutic Use Exemption (TUE) for this substance, select "No."*

- During the **past 12 months**, have you used any prohibited **hormone and metabolic modulators**?

Examples of prohibited hormone and metabolic modulators include, but are not limited to: insulin, clomiphene, tamoxifen, anastrozole, aromatase inhibitors, GW1516, meldonium

*If you **only** have used this substance while you had a Therapeutic Use Exemption (TUE) for this substance, select "No." All hormonal contraceptives are allowed.*

- During the **past 12 months**, have you used any prohibited **diuretics or masking agents**?

Examples of prohibited **diuretics** include, but not limited to: hydrochlorothiazide, spironolactone, plasma expanders

*If you **only** have used this substance while you had a Therapeutic Use Exemption (TUE) for this substance, select "No."*

- During the past **12 months**, have you used any prohibited **substances or methods to manipulate your blood to improve your performance or speed recovery?**

These substances and methods include, but are not limited to: intravenous infusions (IVs), blood boosters, blood transfusions

*If you **only** have used this substance or method while you had a Therapeutic Use Exemption (TUE) for this substance or method, select "No."*

- During the past **12 months**, have you used any prohibited **stem cell or gene editing agents with the goal of enhancing performance** (e.g., use of gene doping agents)?

*If you **only** have used this substance while you had a Therapeutic Use Exemption (TUE) for this substance, select "No."*

- In the **past 12 months**, have you used any prohibited **stimulants in competition?**

Examples of prohibited stimulants include, but are not limited to: amphetamine, methylphenidate pseudoephedrine, cocaine

*If you **only** have used this substance while you had a Therapeutic Use Exemption (TUE) for this substance, select "No."*

- In the past **12 months**, have you used any prohibited **narcotics in competition?**

Examples of prohibited **narcotics** include, but are not limited to: oxycodone, morphine, methadone hydromorphone.

*If you **only** have used this substance while you had a Therapeutic Use Exemption (TUE) for this substance, select "No."*

- In the **past 12 months**, have you used any prohibited **cannabinoids in competition?**

Examples of prohibited cannabinoids include, but are not limited to: cannabis, marijuana, hashish, synthetic cannabinoids

*If you **only** have used this substance while you had a Therapeutic Use Exemption (TUE) for this substance, select "No."*

- In the **past 12 months**, have you used any prohibited **glucocorticoids in competition by oral, intramuscular, intravenous, or rectal modes of administration?**

Examples of prohibited glucocorticoids include, but are not limited to: prednisone, cortisone, dexamethasone, triamcinolone

*If you **only** have used this substance while you had a Therapeutic Use Exemption (TUE) for this substance, select "No."*

Frequency prevalence items (all with response scale of Never, Rarely, Occasionally, Frequently):

- During the **past 12 months**, how often have you used any prohibited **anabolic agents?**

Examples of prohibited anabolic agents include, but are not limited to: anabolic steroids like testosterone, DHEA, stanozolol, other anabolic agents like clenbuterol, selective androgen receptor modulators (SARMs) like ostarine and LGD-4033

If you only have used this substance while you had a Therapeutic Use Exemption (TUE) for this substance, select "Never."

- During the **past 12 months**, have you used permitted asthma inhalers (e.g., albuterol, formoterol, salmeterol) **beyond the allowable daily dose**?
- During the **past 12 months**, how often have you used any prohibited **stimulants in competition**?

Examples of prohibited stimulants include, but are not limited to: amphetamine, methylphenidate pseudoephedrine cocaine

If you only have used this substance while you had a Therapeutic Use Exemption (TUE) for this substance, select "Never."