

# 2015 WADA MONITORING PROGRAM

## In Competition Monitoring: Tapentadol, Mitragnine, Tramadol, Hydrocodone and Caffeine In and Out of Competition Monitoring: Meldonium and Telmisartan

Article 4.5 of the World Anti-Doping Code 2015: "WADA, in consultation with Signatories and governments, shall establish a monitoring program regarding substances which are not on the Prohibited List, but which WADA wishes to monitor in order to detect patterns of misuse in sport."



| Olympic Sport**   | Meldonium*     |            | Tapentadol* |            | Telmisartan*   |            | Mitragnine* |           | Tramadol*  |             | Hydrocodone* |             | Caffeine*  |           |
|-------------------|----------------|------------|-------------|------------|----------------|------------|-------------|-----------|------------|-------------|--------------|-------------|------------|-----------|
|                   | IC/OOC Samples | > 20 ng/mL | IC Samples  | > 50 ng/mL | IC/OOC Samples | > 20 ng/mL | IC Samples  | >50 ng/mL | IC Samples | > 200 ng/mL | IC Samples   | > 200 ng/mL | IC Samples | >12 µg/mL |
| Aquatics          | 3202           | 195        | 5966        | -          | 4353           | 1          | 3342        | -         | 5966       | 19          | 5966         | -           | 2432       | 10        |
| Archery           | 140            | 1          | 586         | -          | 248            | -          | 215         | -         | 586        | -           | 586          | -           | 241        | -         |
| Athletics         | 7065           | 549        | 15060       | -          | 10268          | 6          | 7824        | 1         | 15060      | 50          | 15060        | 3           | 5896       | 52        |
| Badminton         | 241            | 2          | 766         | -          | 479            | -          | 422         | -         | 766        | 1           | 766          | -           | 261        | 2         |
| Basketball        | 1575           | 47         | 3314        | -          | 2027           | -          | 1675        | -         | 3314       | 14          | 3314         | 2           | 935        | 4         |
| Biathlon          | 898            | 122        | 854         | -          | 923            | -          | 601         | -         | 854        | -           | 854          | -           | 318        | 2         |
| Bobsleigh         | 292            | 19         | 108         | -          | 341            | -          | 93          | -         | 108        | -           | 108          | -           | 57         | -         |
| Boxing            | 1078           | 95         | 2300        | -          | 1426           | -          | 1048        | -         | 2300       | 5           | 2300         | -           | 758        | 4         |
| Canoe/Kayak       | 1418           | 348        | 1803        | -          | 1923           | -          | 1072        | -         | 1803       | 1           | 1803         | -           | 802        | 6         |
| Curling           | 112            | 12         | 143         | -          | 133            | -          | 74          | -         | 143        | -           | 143          | -           | 89         | -         |
| Cycling           | 5932           | 261        | 12358       | -          | 8217           | 3          | 5743        | 1         | 12358      | 730         | 12358        | 4           | 5045       | 28        |
| Equestrian        | 143            | -          | 237         | -          | 185            | -          | 145         | -         | 237        | -           | 237          | -           | 72         | -         |
| Fencing           | 488            | 8          | 905         | -          | 682            | 1          | 460         | -         | 905        | 2           | 905          | -           | 361        | 5         |
| Field Hockey      | 280            | -          | 597         | -          | 499            | -          | 326         | -         | 597        | 3           | 597          | -           | 247        | 1         |
| Football          | 8757           | 154        | 22195       | -          | 10129          | 1          | 9502        | -         | 22195      | 63          | 22195        | 2           | 10174      | 14        |
| Golf              | 65             | -          | 259         | -          | 115            | -          | 134         | -         | 259        | 1           | 259          | -           | 146        | -         |
| Gymnastics        | 601            | 46         | 1033        | -          | 888            | 1          | 543         | -         | 1033       | 1           | 1033         | -           | 391        | 1         |
| Handball          | 953            | 23         | 1877        | -          | 1309           | -          | 889         | -         | 1877       | 2           | 1877         | -           | 775        | 2         |
| Ice Hockey        | 1438           | 141        | 1540        | -          | 1641           | -          | 1027        | -         | 1540       | 7           | 1540         | -           | 901        | 15        |
| Judo              | 1481           | 152        | 2716        | -          | 1978           | -          | 1564        | -         | 2716       | 4           | 2716         | -           | 1004       | 2         |
| Luge              | 104            | 4          | 90          | -          | 112            | -          | 59          | -         | 90         | -           | 90           | -           | 34         | -         |
| Modern Pentathlon | 145            | 34         | 277         | -          | 256            | -          | 161         | -         | 277        | 1           | 277          | -           | 70         | -         |
| Rowing            | 1414           | 207        | 1641        | -          | 2076           | -          | 923         | -         | 1641       | 8           | 1641         | -           | 704        | -         |
| Rugby Union       | 1459           | 21         | 2637        | -          | 1679           | -          | 1571        | 1         | 2637       | 25          | 2637         | 1           | 902        | 3         |
| Sailing           | 173            | 1          | 434         | -          | 248            | -          | 240         | -         | 434        | -           | 434          | -           | 176        | -         |
| Shooting          | 983            | 1          | 2023        | -          | 1325           | -          | 1260        | -         | 2023       | 7           | 2023         | 1           | 633        | 1         |
| Skating           | 1081           | 88         | 1670        | -          | 1681           | -          | 1086        | -         | 1670       | 2           | 1670         | -           | 848        | 6         |
| Skiing            | 1474           | 58         | 1825        | -          | 1856           | -          | 926         | -         | 1825       | 4           | 1825         | -           | 857        | 6         |
| Table Tennis      | 203            | -          | 601         | -          | 345            | -          | 276         | -         | 601        | 2           | 601          | -           | 230        | 2         |
| Taekwondo         | 593            | 62         | 1158        | -          | 721            | -          | 649         | -         | 1158       | -           | 1158         | 1           | 506        | 1         |
| Tennis            | 2103           | 24         | 2465        | -          | 2339           | -          | 2186        | -         | 2465       | 1           | 2465         | -           | 2005       | 4         |
| Triathlon         | 955            | 27         | 1764        | -          | 1301           | -          | 877         | 2         | 1764       | 6           | 1764         | -           | 804        | 4         |
| Volleyball        | 802            | 47         | 2350        | -          | 1280           | -          | 1069        | -         | 2350       | 4           | 2350         | -           | 726        | 6         |
| Weightlifting     | 2586           | 344        | 4706        | -          | 3162           | 2          | 2643        | 4         | 4706       | 30          | 4706         | -           | 1392       | 12        |
| Wrestling         | 1460           | 218        | 2545        | -          | 1820           | 1          | 1654        | 1         | 2545       | 9           | 2545         | 1           | 742        | 2         |

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- (dash) = no case reported in this sport

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## In Competition Monitoring: Tapentadol, Mitragnine, Tramadol, Hydrocodone and Caffeine In and Out of Competition Monitoring: Meldonium and Telmisartan



Article 4.5 of the World Anti-Doping Code 2015: "WADA, in consultation with Signatories and governments, shall establish a monitoring program regarding substances which are not on the Prohibited List, but which WADA wishes to monitor in order to detect patterns of misuse in sport."

| IOC Recognized Sport**      | Meldonium* |            | Tapentadol* |            | Telmisartan* |            | Mitragnine* |           | Tramadol* |             | Hydrocodone* |             | Caffeine* |           |
|-----------------------------|------------|------------|-------------|------------|--------------|------------|-------------|-----------|-----------|-------------|--------------|-------------|-----------|-----------|
|                             | Samples    | > 20 ng/mL | Samples     | > 50 ng/mL | Samples      | > 20 ng/mL | Samples     | >50 ng/mL | Samples   | > 200 ng/mL | Samples      | > 200 ng/mL | Samples   | >12 µg/mL |
| Air Sports                  | 40         | -          | 76          | -          | 45           | -          | 39          | -         | 76        | -           | 76           | -           | 42        | -         |
| American Football           | 247        | 1          | 302         | -          | 245          | -          | 217         | -         | 302       | -           | 302          | -           | 147       | 1         |
| Automobile Sports           | 124        | -          | 389         | -          | 166          | -          | 170         | -         | 389       | -           | 389          | -           | 210       | 1         |
| Bandy                       | 12         | 4          | 78          | -          | 12           | -          | 17          | -         | 78        | -           | 78           | -           | 69        | 6         |
| Baseball                    | 174        | -          | 603         | -          | 383          | -          | 331         | -         | 603       | 1           | 603          | -           | 432       | -         |
| Basque Pelota               | 3          | -          | 71          | -          | 11           | -          | 8           | -         | 71        | -           | 71           | -           | 63        | -         |
| Billiards Sports            | 11         | -          | 160         | -          | 37           | -          | 59          | -         | 160       | -           | 160          | -           | 39        | -         |
| Boules Sports               | 14         | -          | 121         | -          | 14           | -          | 66          | -         | 121       | -           | 121          | -           | 42        | 1         |
| Bowling                     | 35         | -          | 118         | -          | 53           | -          | 80          | -         | 118       | 1           | 118          | -           | 50        | 1         |
| Bridge                      | 12         | -          | 22          | -          | 12           | -          | 12          | -         | 22        | -           | 22           | -           | -         | -         |
| Chess                       | 21         | -          | 50          | -          | 29           | -          | 25          | -         | 50        | 1           | 50           | -           | 24        | -         |
| Cricket                     | 207        | 1          | 487         | -          | 207          | -          | 284         | -         | 487       | -           | 487          | -           | 66        | -         |
| DanceSport                  | 101        | -          | 238         | -          | 169          | -          | 148         | -         | 238       | -           | 238          | -           | 68        | -         |
| Floorball                   | 33         | -          | 193         | -          | 45           | -          | 96          | -         | 193       | 1           | 193          | -           | 91        | 1         |
| Flying Disc                 | 4          | -          | 17          | -          | 13           | -          | 17          | -         | 17        | -           | 17           | -           | 9         | -         |
| Karate                      | 219        | 2          | 562         | -          | 345          | -          | 275         | -         | 562       | -           | 562          | -           | 213       | -         |
| Korfball                    | 25         | -          | 32          | -          | 39           | -          | 16          | -         | 32        | -           | 32           | -           | 4         | -         |
| Life Saving                 | 32         | -          | 146         | -          | 57           | -          | 20          | -         | 146       | -           | 146          | -           | 101       | -         |
| Motorcycle Racing           | 168        | -          | 336         | -          | 220          | -          | 209         | -         | 336       | -           | 336          | -           | 93        | -         |
| Mountaineering and Climbing | 21         | 1          | 147         | -          | 68           | -          | 86          | -         | 147       | 3           | 147          | -           | 56        | 1         |
| Netball                     | -          | -          | 80          | -          | -            | -          | 18          | -         | 80        | -           | 80           | -           | 58        | -         |
| Orienteering                | 80         | -          | 171         | -          | 74           | -          | 70          | -         | 171       | 1           | 171          | -           | 93        | 4         |
| Polo                        | -          | -          | 13          | -          | -            | -          | -           | -         | 13        | -           | 13           | -           | 13        | -         |
| Powerboating                | 11         | -          | 163         | -          | 17           | -          | 10          | -         | 163       | 1           | 163          | -           | 20        | 1         |
| Racquetball                 | 31         | -          | 33          | -          | 31           | -          | 33          | -         | 33        | -           | 33           | -           | 29        | 1         |
| Roller Sports               | 118        | -          | 595         | -          | 231          | -          | 151         | -         | 595       | 3           | 595          | -           | 289       | 1         |
| Ski Mountaineering          | 54         | -          | 46          | -          | 59           | -          | 38          | -         | 46        | -           | 46           | -           | 8         | -         |
| Softball                    | 64         | -          | 208         | -          | 117          | -          | 143         | -         | 208       | -           | 208          | -           | 108       | -         |
| Sport Climbing              | 71         | 3          | 139         | -          | 97           | -          | 71          | -         | 139       | -           | 139          | -           | 41        | -         |
| Squash                      | 55         | -          | 130         | -          | 75           | -          | 59          | -         | 130       | -           | 130          | -           | 60        | -         |
| Sumo                        | 4          | -          | 122         | -          | 131          | -          | 122         | -         | 122       | -           | 122          | -           | 114       | -         |
| Surfing                     | -          | -          | 45          | -          | 1            | -          | -           | -         | 45        | 1           | 45           | -           | 45        | -         |
| Tug of War                  | 37         | -          | 41          | -          | 41           | -          | 32          | -         | 41        | -           | 41           | -           | 16        | -         |
| Underwater Sports           | 119        | 6          | 265         | -          | 185          | -          | 147         | -         | 265       | -           | 265          | -           | 67        | -         |
| Waterskiing                 | 53         | -          | 149         | -          | 91           | -          | 71          | -         | 149       | 2           | 149          | -           | 66        | -         |
| Wushu                       | 107        | 1          | 216         | -          | 146          | -          | 152         | -         | 216       | 1           | 216          | -           | 20        | -         |

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| AIMS Sport**  | Meldonium* |            | Tapentadol* |            | Telmisartan* |            | Mitragnine* |           | Tramadol* |             | Hydrocodone* |             | Caffeine* |           |
|---------------|------------|------------|-------------|------------|--------------|------------|-------------|-----------|-----------|-------------|--------------|-------------|-----------|-----------|
|               | Samples    | > 20 ng/mL | Samples     | > 50 ng/mL | Samples      | > 20 ng/mL | Samples     | >50 ng/mL | Samples   | > 200 ng/mL | Samples      | > 200 ng/mL | Samples   | >12 µg/mL |
| Aikido        | 2          | -          | 2           | -          | 7            | -          | 2           | -         | 2         | -           | 2            | -           | -         | -         |
| Bodybuilding  | 149        | 2          | 821         | -          | 479          | -          | 340         | -         | 821       | 2           | 821          | -           | 373       | 8         |
| Casting       | 12         | 1          | 53          | -          | 12           | -          | 12          | -         | 53        | -           | 53           | -           | 14        | -         |
| Cheer         | 28         | -          | 46          | -          | 28           | -          | 28          | -         | 46        | 1           | 46           | -           | 23        | -         |
| Darts         | 13         | -          | 64          | -          | 15           | -          | 46          | -         | 64        | -           | 64           | -           | 12        | -         |
| Dragon Boat   | 15         | -          | 35          | -          | 23           | -          | 35          | -         | 35        | -           | 35           | -           | 15        | -         |
| Draughts      | 5          | -          | 15          | -          | 5            | -          | 5           | -         | 15        | -           | 15           | -           | -         | -         |
| Fistball      | 24         | -          | 12          | -          | 24           | -          | 12          | -         | 12        | -           | 12           | -           | -         | -         |
| Go            | 2          | -          | 6           | -          | 2            | -          | 6           | -         | 6         | -           | 6            | -           | -         | -         |
| Icestocksport | 6          | -          | 42          | -          | 45           | -          | 6           | -         | 42        | -           | 42           | -           | 36        | -         |
| Ju-Jitsu      | 77         | 1          | 75          | -          | 87           | -          | 57          | -         | 75        | -           | 75           | -           | 10        | -         |
| Kendo         | 2          | -          | 27          | -          | 11           | -          | 16          | -         | 27        | -           | 27           | -           | 18        | -         |
| Kickboxing    | 179        | 7          | 330         | -          | 239          | 2          | 125         | -         | 330       | -           | 330          | -           | 171       | -         |
| Lacrosse      | 3          | -          | 17          | -          | 3            | -          | 17          | -         | 17        | 1           | 17           | -           | 3         | -         |
| Minigolf      | 9          | -          | 14          | -          | 9            | -          | 9           | -         | 14        | -           | 14           | -           | -         | -         |
| Muaythai      | 6          | -          | 149         | -          | 14           | -          | 63          | -         | 149       | -           | 149          | -           | 59        | -         |
| Powerlifting  | 1365       | 42         | 1700        | -          | 1570         | 3          | 1135        | -         | 1700      | 3           | 1700         | -           | 629       | 16        |
| Sambo         | 165        | 19         | 196         | -          | 163          | -          | 110         | -         | 196       | -           | 196          | -           | 67        | -         |
| Savate        | 14         | -          | 36          | -          | 22           | -          | 20          | -         | 36        | -           | 36           | -           | 16        | -         |
| Sepaktakraw   | 6          | -          | 85          | -          | 6            | -          | 66          | -         | 85        | -           | 85           | -           | -         | -         |
| Sleddog       | 6          | -          | 20          | -          | 6            | -          | 6           | -         | 20        | -           | 20           | -           | 20        | 2         |
| Soft Tennis   | 10         | -          | 60          | -          | 25           | -          | 48          | -         | 60        | 1           | 60           | -           | 38        | -         |

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### IPC / Sport for Athletes with an Impairment\*\*

|                       | Meldonium* |            | Tapentadol* |            | Telmisartan* |            | Mitragnine* |           | Tramadol* |             | Hydrocodone* |             | Caffeine* |           |
|-----------------------|------------|------------|-------------|------------|--------------|------------|-------------|-----------|-----------|-------------|--------------|-------------|-----------|-----------|
|                       | Samples    | > 20 ng/mL | Samples     | > 50 ng/mL | Samples      | > 20 ng/mL | Samples     | >50 ng/mL | Samples   | > 200 ng/mL | Samples      | > 200 ng/mL | Samples   | >12 µg/mL |
| Aquatics              | 77         | 9          | 64          | -          | 94           | -          | 36          | -         | 64        | 1           | 64           | -           | 36        | -         |
| Archery               | 29         | -          | 42          | -          | 32           | -          | 34          | -         | 42        | -           | 42           | -           | 7         | -         |
| Arm Wrestling         | 4          | -          | 4           | -          | 4            | -          | 4           | -         | 4         | -           | 4            | -           | 4         | -         |
| Athletics             | 148        | 46         | 118         | -          | 154          | -          | 83          | -         | 118       | -           | 118          | -           | 81        | -         |
| Badminton             | 8          | -          | 35          | -          | 8            | -          | 28          | -         | 35        | -           | 35           | -           | -         | -         |
| Basketball            | 74         | -          | 107         | -          | 95           | 1          | 80          | -         | 107       | -           | 107          | -           | 80        | -         |
| Boccia                | 9          | -          | 44          | -          | 16           | -          | 17          | -         | 44        | -           | 44           | -           | 11        | -         |
| Canoe/Kayak           | 25         | 6          | 18          | -          | 26           | 1          | 9           | -         | 18        | -           | 18           | -           | -         | -         |
| Curling               | 27         | -          | 27          | -          | 27           | 1          | 16          | -         | 27        | -           | 27           | -           | 14        | -         |
| Cycling               | 213        | 21         | 275         | -          | 271          | -          | 174         | -         | 275       | 3           | 275          | -           | 85        | -         |
| Equestrian            | 25         | -          | 25          | -          | 26           | -          | 25          | -         | 25        | -           | 25           | -           | 10        | -         |
| Fencing               | 32         | 1          | 60          | -          | 39           | -          | 27          | -         | 60        | -           | 60           | -           | 23        | -         |
| Football              | 33         | 3          | 42          | -          | 33           | -          | 37          | -         | 42        | -           | 42           | -           | 17        | -         |
| Football 5-a-Side     | 23         | -          | 45          | -          | 29           | -          | 27          | -         | 45        | -           | 45           | -           | 25        | -         |
| Football 7-a-Side     | 37         | -          | 11          | -          | 37           | -          | 11          | -         | 11        | -           | 11           | -           | 4         | -         |
| Goalball              | 24         | -          | 59          | -          | 36           | -          | 36          | -         | 59        | -           | 59           | -           | 18        | 1         |
| Ice Hockey            | 45         | 7          | 10          | -          | 45           | -          | 10          | -         | 10        | -           | 10           | -           | 10        | -         |
| Judo                  | 55         | 8          | 82          | -          | 69           | -          | 59          | -         | 82        | -           | 82           | -           | 35        | -         |
| Powerlifting          | 45         | 14         | 44          | -          | 45           | -          | 32          | -         | 44        | -           | 44           | -           | 32        | -         |
| Rowing                | 29         | 10         | 22          | -          | 30           | -          | 13          | -         | 22        | -           | 22           | -           | 15        | -         |
| Rugby                 | 20         | -          | 58          | -          | 36           | -          | 33          | -         | 58        | 2           | 58           | -           | 53        | -         |
| Sailing               | 6          | -          | 2           | -          | 7            | -          | 2           | -         | 2         | -           | 2            | -           | -         | -         |
| Sitting Volleyball    | 35         | -          | 36          | -          | 35           | -          | 30          | -         | 36        | -           | 36           | -           | -         | -         |
| Skiing                | 87         | 4          | 44          | -          | 87           | -          | 44          | -         | 44        | 1           | 44           | -           | 44        | -         |
| Sport Climbing        | -          | -          | 1           | -          | -            | -          | -           | -         | 1         | -           | 1            | -           | -         | -         |
| Table Tennis          | 59         | -          | 50          | -          | 71           | -          | 38          | 1         | 50        | -           | 50           | -           | 17        | -         |
| Taekwondo             | 5          | -          | 5           | -          | 5            | -          | 5           | -         | 5         | -           | 5            | -           | 5         | -         |
| Tennis                | 49         | -          | 49          | -          | 55           | -          | 39          | -         | 49        | -           | 49           | -           | 37        | -         |
| Triathlon             | 22         | -          | 49          | -          | 24           | -          | 31          | -         | 49        | -           | 49           | -           | 18        | -         |
| Volleyball            | 4          | -          | 22          | -          | 14           | -          | 18          | -         | 22        | -           | 22           | -           | 8         | -         |
| Wrestling             | 22         | 2          | 22          | -          | 22           | -          | 22          | -         | 22        | -           | 22           | -           | 22        | -         |
| IPC Aquatics          | 205        | 9          | 341         | -          | 263          | -          | 245         | -         | 341       | 2           | 341          | -           | 168       | 1         |
| IPC Athletics         | 351        | 17         | 674         | 1          | 404          | -          | 350         | -         | 674       | -           | 674          | 1           | 238       | 1         |
| IPC Biathlon          | 1          | -          | 1           | -          | 1            | -          | 1           | -         | 1         | -           | 1            | -           | -         | -         |
| IPC DanceSport        | -          | -          | 5           | -          | -            | -          | -           | -         | 5         | -           | 5            | -           | -         | -         |
| IPC Ice Sledge Hockey | 35         | 11         | 43          | -          | 39           | -          | -           | -         | 43        | -           | 43           | 1           | 34        | -         |
| IPC Powerlifting      | 258        | 21         | 395         | -          | 271          | -          | 223         | -         | 395       | 1           | 395          | -           | 101       | 1         |
| IPC Shooting          | 22         | -          | 49          | -          | 24           | -          | 35          | -         | 49        | 2           | 49           | -           | 10        | -         |
| IPC Skiing            | 109        | 15         | 118         | -          | 122          | -          | 98          | -         | 118       | 3           | 118          | -           | 73        | -         |

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# 2015 WADA MONITORING PROGRAM

## In Competition Monitoring: Tapentadol, Mitragnine, Tramadol, Hydrocodone and Caffeine In and Out of Competition Monitoring: Meldonium and Telmisartan

Article 4.5 of the World Anti-Doping Code 2015: "WADA, in consultation with Signatories and governments, shall establish a monitoring program regarding substances which are not on the Prohibited List, but which WADA wishes to monitor in order to detect patterns of misuse in sport."



| Other Sport -<br>Code Signatory** | Meldonium* |            | Tapentadol* |            | Telmisartan* |            | Mitragnine* |           | Tramadol* |             | Hydrocodone* |             | Caffeine* |           |
|-----------------------------------|------------|------------|-------------|------------|--------------|------------|-------------|-----------|-----------|-------------|--------------|-------------|-----------|-----------|
|                                   | Samples    | > 20 ng/mL | Samples     | > 50 ng/mL | Samples      | > 20 ng/mL | Samples     | >50 ng/mL | Samples   | > 200 ng/mL | Samples      | > 200 ng/mL | Samples   | >12 µg/mL |
| Triathlon                         | 198        | 1          | 320         | -          | 202          | -          | 269         | 1         | 320       | 3           | 320          | -           | 80        | 4         |
| Arm Wrestling                     | 148        | 1          | 243         | -          | 144          | -          | 144         | -         | 243       | 1           | 243          | -           | 12        | -         |
| Kettlebell Lifting                | 44         | 17         | 33          | -          | 44           | -          | 30          | -         | 33        | -           | 33           | -           | 22        | -         |
| Karate                            | -          | -          | 25          | -          | 25           | -          | 19          | -         | 25        | -           | 25           | -           | 9         | -         |
| Kurash                            | 16         | -          | 19          | -          | 16           | -          | 16          | -         | 19        | -           | 19           | -           | -         | -         |
| Taekwondo                         | -          | -          | 15          | -          | 11           | -          | 11          | -         | 15        | -           | 15           | -           | -         | -         |
| Bowls                             | 3          | -          | 7           | -          | 3            | -          | 3           | -         | 7         | -           | 7            | -           | 7         | -         |
| DanceSport                        | -          | -          | 6           | -          | -            | -          | 6           | -         | 6         | -           | 6            | -           | 6         | -         |

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\*\* Sports are named in this list as reported by the anti-doping laboratories and do not differentiate between professional, amateur and/or specific disciplines.

- (dash) = no case reported in this sport

| Other Sport**             | Meldonium* |            | Tapentadol* |            | Telmisartan* |            | Mitragnine* |           | Tramadol* |             | Hydrocodone* |             | Caffeine* |           |
|---------------------------|------------|------------|-------------|------------|--------------|------------|-------------|-----------|-----------|-------------|--------------|-------------|-----------|-----------|
|                           | Samples    | > 20 ng/mL | Samples     | > 50 ng/mL | Samples      | > 20 ng/mL | Samples     | >50 ng/mL | Samples   | > 200 ng/mL | Samples      | > 200 ng/mL | Samples   | >12 µg/mL |
| Air Sports                | -          | -          | 4           | -          | -            | -          | -           | -         | 4         | -           | 4            | -           | -         | -         |
| American Football         | 43         | -          | 42          | -          | 43           | -          | 42          | -         | 42        | -           | 42           | -           | 42        | -         |
| Aquatics                  | 10         | -          | 88          | -          | 9            | -          | 12          | -         | 88        | -           | 88           | -           | 5         | -         |
| Archery                   | -          | -          | 5           | -          | -            | -          | -           | -         | 5         | -           | 5            | -           | -         | -         |
| Athletics                 | 28         | 7          | 84          | -          | 28           | -          | 35          | -         | 84        | -           | 84           | -           | 24        | -         |
| Australian Rules Football | -          | -          | 112         | -          | -            | -          | -           | -         | 112       | -           | 112          | -           | 112       | -         |
| Badminton                 | -          | -          | 3           | -          | -            | -          | 3           | -         | 3         | -           | 3            | -           | -         | -         |
| Balle au Tambourin        | -          | -          | 4           | -          | -            | -          | -           | -         | 4         | -           | 4            | -           | -         | -         |
| Ballon au Poing           | -          | -          | 6           | -          | -            | -          | -           | -         | 6         | -           | 6            | -           | 6         | -         |
| Baseball                  | -          | -          | 242         | -          | 16           | -          | 33          | -         | 242       | 9           | 242          | -           | 16        | -         |
| Basketball                | 7          | -          | 62          | -          | 7            | -          | 8           | -         | 62        | 3           | 62           | -           | 6         | -         |
| Basque Sports             | -          | -          | 39          | -          | 33           | -          | 39          | -         | 39        | 3           | 39           | -           | -         | -         |
| Beach Tennis              | -          | -          | 4           | -          | -            | -          | -           | -         | 4         | -           | 4            | -           | -         | -         |
| Biathlon                  | -          | -          | 17          | -          | -            | -          | 17          | -         | 17        | -           | 17           | -           | -         | -         |
| Bodybuilding              | 4          | -          | 64          | -          | 66           | -          | 4           | -         | 64        | -           | 64           | -           | 42        | 1         |
| Boxing                    | 75         | 7          | 190         | -          | 85           | -          | 115         | -         | 190       | -           | 190          | -           | 80        | -         |
| Bridge                    | -          | -          | 2           | -          | -            | -          | 2           | -         | 2         | -           | 2            | -           | -         | -         |
| Broomball                 | 9          | -          | 9           | -          | 9            | -          | 9           | -         | 9         | -           | 9            | -           | 9         | -         |
| Budo                      | -          | -          | 10          | -          | -            | -          | -           | -         | 10        | -           | 10           | -           | 10        | 1         |
| Chess                     | -          | -          | 2           | -          | -            | -          | 2           | -         | 2         | -           | 2            | -           | -         | -         |
| Combat Sports             | -          | -          | 14          | -          | -            | -          | -           | -         | 14        | -           | 14           | -           | 14        | -         |
| Company Sports            | -          | -          | 5           | -          | -            | -          | -           | -         | 5         | -           | 5            | -           | 5         | -         |
| Course Landaise           | -          | -          | 4           | -          | -            | -          | -           | -         | 4         | -           | 4            | -           | 4         | -         |
| Crossbow                  | 20         | -          | 20          | -          | 20           | -          | 20          | -         | 20        | -           | 20           | -           | 20        | -         |
| Crossword                 | -          | -          | 2           | -          | -            | -          | 2           | -         | 2         | -           | 2            | -           | -         | -         |

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- (dash) = no case reported in this sport

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### Other Sport\*\* (continued)

|                           | Meldonium* |            | Tapentadol* |            | Telmisartan* |            | Mitragnine* |           | Tramadol* |             | Hydrocodone* |             | Caffeine* |           |
|---------------------------|------------|------------|-------------|------------|--------------|------------|-------------|-----------|-----------|-------------|--------------|-------------|-----------|-----------|
|                           | Samples    | > 20 ng/mL | Samples     | > 50 ng/mL | Samples      | > 20 ng/mL | Samples     | >50 ng/mL | Samples   | > 200 ng/mL | Samples      | > 200 ng/mL | Samples   | >12 µg/mL |
| Cycling                   | 27         | -          | 127         | -          | 115          | -          | 27          | -         | 127       | 4           | 127          | -           | -         | -         |
| Duathlon (R)              | 8          | -          | 25          | -          | 22           | -          | 12          | -         | 25        | -           | 25           | -           | 13        | -         |
| Electronic Sports         | 1          | -          | 4           | -          | 1            | -          | 1           | -         | 4         | -           | 4            | -           | -         | -         |
| Equestrian                | -          | -          | 6           | -          | 6            | -          | -           | -         | 6         | -           | 6            | -           | -         | -         |
| Extreme Sports            | -          | -          | 4           | -          | -            | -          | 4           | -         | 4         | -           | 4            | -           | -         | -         |
| Fencing                   | -          | -          | 10          | -          | -            | -          | 4           | -         | 10        | -           | 10           | -           | -         | -         |
| Field Hockey              | 11         | -          | 7           | -          | 15           | -          | 2           | -         | 7         | -           | 7            | -           | 6         | -         |
| Firefighting and Rescuing | 24         | 2          | 24          | -          | 24           | -          | 24          | -         | 24        | -           | 24           | -           | 24        | -         |
| Fistball                  | 6          | -          | 6           | -          | 6            | -          | 6           | -         | 6         | -           | 6            | -           | -         | -         |
| Football                  | 62         | -          | 125         | -          | 62           | -          | 105         | -         | 125       | -           | 125          | -           | 20        | -         |
| French Boxing             | -          | -          | 10          | -          | -            | -          | -           | -         | 10        | -           | 10           | -           | 10        | -         |
| Full contact              | -          | -          | 2           | -          | -            | -          | -           | -         | 2         | -           | 2            | -           | 2         | -         |
| Gaelic Games              | 55         | -          | 55          | -          | 55           | -          | 55          | -         | 55        | 1           | 55           | -           | -         | -         |
| Golf                      | 1          | -          | 45          | -          | 1            | -          | 3           | -         | 45        | 1           | 45           | -           | 1         | -         |
| Handball                  | -          | -          | 6           | -          | -            | -          | 1           | -         | 6         | -           | 6            | -           | -         | -         |
| Heavy Events              | -          | -          | 7           | -          | -            | -          | 7           | -         | 7         | -           | 7            | -           | -         | -         |
| Highland Games            | -          | -          | 12          | -          | 6            | -          | 6           | -         | 12        | -           | 12           | -           | -         | -         |
| Horse Racing              | -          | -          | 190         | -          | 103          | -          | 169         | -         | 190       | -           | 190          | 2           | 8         | -         |
| Hunting sports            | -          | -          | 1           | -          | -            | -          | -           | -         | 1         | -           | 1            | -           | -         | -         |
| Ice Hockey                | 9          | -          | 9           | -          | 9            | -          | 9           | -         | 9         | -           | 9            | -           | -         | -         |
| Jet-Ski                   | 2          | -          | 2           | -          | 2            | -          | 2           | -         | 2         | -           | 2            | -           | -         | -         |
| Jiu-Jitsu                 | 1          | -          | 1           | -          | 2            | -          | -           | -         | 1         | -           | 1            | -           | -         | -         |
| Judo                      | -          | -          | 22          | -          | -            | -          | 8           | -         | 22        | -           | 22           | -           | 6         | -         |
| Kabaddi                   | 71         | -          | 103         | -          | 71           | -          | 82          | -         | 103       | -           | 103          | -           | -         | -         |
| Karate                    | 57         | 2          | 63          | -          | 57           | -          | 61          | -         | 63        | -           | 63           | -           | 56        | -         |
| Kempo                     | -          | -          | 20          | -          | -            | -          | -           | -         | 20        | -           | 20           | -           | -         | -         |
| Kickboxing                | -          | -          | 8           | -          | 5            | -          | -           | -         | 8         | -           | 8            | -           | -         | -         |
| Kung Fu                   | 3          | -          | 15          | -          | 15           | -          | 15          | -         | 15        | -           | 15           | -           | -         | -         |
| Military Sport Pentathlon | -          | -          | 39          | -          | -            | -          | -           | -         | 39        | -           | 39           | -           | 12        | -         |
| Mixed Martial Arts        | 12         | -          | 175         | -          | 49           | -          | 81          | -         | 175       | 2           | 175          | -           | 61        | -         |
| Modern Pentathlon         | -          | -          | 4           | -          | -            | -          | -           | -         | 4         | -           | 4            | -           | -         | -         |
| Motoball                  | 14         | -          | 14          | -          | 14           | -          | 14          | -         | 14        | -           | 14           | -           | -         | -         |
| Orienteering              | -          | -          | 6           | -          | -            | -          | -           | -         | 6         | -           | 6            | -           | -         | -         |
| Paddel                    | -          | -          | 48          | -          | 24           | -          | 24          | -         | 48        | -           | 48           | -           | 24        | -         |
| Pencak Silat              | -          | -          | 52          | -          | -            | -          | 37          | -         | 52        | -           | 52           | -           | -         | -         |
| Power Press               | -          | -          | 15          | -          | -            | -          | 15          | -         | 15        | -           | 15           | -           | -         | -         |
| Powerlifting              | 35         | -          | 38          | -          | 46           | -          | 28          | -         | 38        | -           | 38           | -           | 4         | -         |
| Rafting                   | 25         | -          | 27          | -          | 25           | -          | 25          | -         | 27        | -           | 27           | -           | -         | -         |
| Ringette                  | 5          | -          | 10          | -          | 5            | -          | 4           | -         | 10        | -           | 10           | -           | -         | -         |

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### Other Sport\*\* (continued)

|                     | Meldonium* |            | Tapentadol* |            | Telmisartan* |            | Mitragnine* |           | Tramadol* |             | Hydrocodone* |             | Caffeine* |           |
|---------------------|------------|------------|-------------|------------|--------------|------------|-------------|-----------|-----------|-------------|--------------|-------------|-----------|-----------|
|                     | Samples    | > 20 ng/mL | Samples     | > 50 ng/mL | Samples      | > 20 ng/mL | Samples     | >50 ng/mL | Samples   | > 200 ng/mL | Samples      | > 200 ng/mL | Samples   | >12 µg/mL |
| Rinkball            | -          | -          | 4           | -          | -            | -          | -           | -         | 4         | -           | 4            | -           | -         | -         |
| Rowing              | -          | -          | 1           | -          | -            | -          | 1           | -         | 1         | -           | 1            | -           | -         | -         |
| Rugby               | 4          | -          | 216         | -          | 14           | -          | 64          | -         | 216       | 1           | 216          | -           | 148       | -         |
| Rugby League        | 8          | -          | 91          | -          | 8            | -          | 46          | -         | 91        | 1           | 91           | -           | 45        | -         |
| Sailing             | -          | -          | 5           | -          | -            | -          | -           | -         | 5         | -           | 5            | -           | -         | -         |
| Savate              | -          | -          | 4           | -          | -            | -          | -           | -         | 4         | -           | 4            | -           | 4         | -         |
| School Sports       | -          | -          | 6           | -          | -            | -          | -           | -         | 6         | -           | 6            | -           | 5         | -         |
| Shooting            | 7          | -          | 31          | -          | 7            | -          | 12          | -         | 31        | -           | 31           | -           | 8         | -         |
| Skibob              | -          | -          | 4           | -          | 4            | -          | -           | -         | 4         | -           | 4            | -           | 4         | -         |
| Skiing              | 44         | 7          | 100         | -          | 44           | -          | 76          | -         | 100       | -           | 100          | -           | 68        | -         |
| Skyrunning          | -          | -          | 6           | -          | -            | -          | -           | -         | 6         | -           | 6            | -           | -         | -         |
| Snowmobile          | -          | -          | -           | -          | 1            | -          | -           | -         | -         | -           | -            | -           | -         | -         |
| Softball            | -          | -          | 2           | -          | -            | -          | 2           | -         | 2         | -           | 2            | -           | -         | -         |
| Speedball           | -          | -          | 6           | -          | 6            | -          | 6           | -         | 6         | -           | 6            | -           | -         | -         |
| Speleology          | 1          | -          | 1           | -          | 1            | -          | 1           | -         | 1         | -           | 1            | -           | -         | -         |
| Strongman           | 2          | -          | 2           | -          | 2            | -          | 2           | -         | 2         | -           | 2            | -           | -         | -         |
| Surfing             | -          | -          | 18          | -          | 15           | -          | 18          | -         | 18        | -           | 18           | -           | -         | -         |
| Table Tennis        | -          | -          | 2           | -          | -            | -          | 2           | -         | 2         | -           | 2            | -           | -         | -         |
| Taekwondo           | -          | -          | 16          | -          | -            | -          | 8           | -         | 16        | -           | 16           | -           | -         | -         |
| Tennis              | -          | -          | 6           | -          | 4            | -          | 2           | -         | 6         | -           | 6            | -           | 4         | 1         |
| Traditional Archery | -          | -          | 13          | -          | -            | -          | -           | -         | 13        | -           | 13           | -           | -         | -         |
| Triathlon           | -          | -          | 8           | -          | -            | -          | -           | -         | 8         | -           | 8            | -           | -         | -         |
| Ultimate Fighting   | 6          | -          | 20          | -          | 7            | -          | 20          | -         | 20        | -           | 20           | -           | 6         | -         |
| Ultra Triathlon     | -          | -          | 3           | -          | 3            | -          | -           | -         | 3         | -           | 3            | -           | 3         | -         |
| VA'A                | -          | -          | 42          | -          | -            | -          | -           | -         | 42        | -           | 42           | -           | 42        | -         |
| Volleyball          | -          | -          | 69          | -          | -            | -          | 6           | -         | 69        | 5           | 69           | -           | -         | -         |
| Weightlifting       | -          | -          | 10          | -          | -            | -          | -           | -         | 10        | 1           | 10           | -           | 10        | -         |
| Wrestling           | 26         | 1          | 91          | -          | 26           | -          | 14          | -         | 91        | -           | 91           | -           | -         | -         |

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### All Sport Categories\*\*

| Totals        | Meldonium*    |              | Tapentadol*    |            | Telmisartan*  |            | Mitragnine*   |           | Tramadol*      |              | Hydrocodone*   |             | Caffeine*     |            |
|---------------|---------------|--------------|----------------|------------|---------------|------------|---------------|-----------|----------------|--------------|----------------|-------------|---------------|------------|
|               | Samples       | > 20 ng/mL   | Samples        | > 50 ng/mL | Samples       | > 20 ng/mL | Samples       | >50 ng/mL | Samples        | > 200 ng/mL  | Samples        | > 200 ng/mL | Samples       | >12 µg/mL  |
| <b>Totals</b> | <b>58,760</b> | <b>3,625</b> | <b>114,938</b> | <b>1</b>   | <b>77,267</b> | <b>24</b>  | <b>60,205</b> | <b>12</b> | <b>114,938</b> | <b>1,045</b> | <b>114,938</b> | <b>17</b>   | <b>47,375</b> | <b>248</b> |

#### SPORT CATEGORIES

ASOIF Sports attributed to IF members of the Association of Summer Olympic International Sports Federations

AIOWF Sports attributed to IF members of the Association of International Olympic Winter Sports Federations

ARISF Sports attributed to IF members of the Association of IOC Recognized International Sports Federations

AIMS Sports attributed to IF members of the Alliance of Independent Recognized Members of Sport

IPC / Sport for Athletes with an Impairment Sports attributed to the International Paralympic Committee or Sports for Athletes with an Impairment

Other Sport - Code Signatory Sport IFs (Non-ASOIF, AWIOF, ARISF and AIMS) which are Signatories of the Code

Other Sport Sports or Sport Organizations which are not Signatories of the Code (e.g. University)