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IOC reanalysis programme

Beijing 2008 and London 2012

The protection of clean athletes and the fight against doping are top priorities for the International Olympic Committee (IOC), as outlined in Olympic Agenda 2020, the IOC's strategic roadmap for the future of the Olympic Movement. To provide a level playing field for all clean athletes at the Olympic Games Rio 2016, the IOC put special measures in place, including targeted pre-tests and the reanalysis of stored samples from the Olympic Games Beijing 2008 and London 2012, following an intelligence-gathering process that started in August 2015 – in consultation with WADA and International Federations (IFs).

Forty-one athletes eligible for Rio were suspended as a result.

The additional analyses on samples collected during the Olympic Games Beijing 2008 and London 2012 were performed with improved analytical methods, in order to possibly detect prohibited substances that could not be identified by the analysis performed at the time of these editions of the Olympic Games.

For reference, some reanalysis of the stored samples of Beijing 2008 and London 2012 was already conducted in 2009 and 2015 respectively, leading to the sanctioning of six athletes. The programme for Beijing samples has concluded due to the statute of limitations.

The total number of confirmed Adverse Analytical Findings (AAFs) by reanalysis in 2016 was reported as 98 in July and there have been 3 further AAFs since then, bringing the total for 2016 to 101. Samples from London have been reanalysed to assist the McLaren report, and there are likely to be more confirmed AAFs in the coming weeks and months as the reanalysis programme continues in consultation with WADA and the IFs.

Details of cases can be given only once each case has been concluded and the athletes in question have been notified of an Anti-Doping Rule Violation (ADRV).

The reallocation of medals is not automatic and is decided by the IOC on a case-by-case basis. If the IOC decides to reallocate the medals, such reallocation takes place only after all remedies of sanctioned athletes/teams have been exhausted (e.g. when all procedures are closed). In such case, the IOC will follow up with the relevant National Olympic Committee, which then notifies the relevant athlete(s) to whom the medals have been reallocated.



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Key figures:

Beijing 2008:

- Number of tests carried out during the Games (27 July-24 August 2008) 4,800
- Number of samples selected for reanalysis (process over as samples stored for 8 years): 1,053
- Number of sanctions issued as of December 2016: 54

London 2012:

- Number of tests carried out during the Games (16 July-12 August) : 5,000
- Number of samples selected for reanalysis (ongoing process / samples stored for 8 years): 492
- Number of sanctions issued as of December 2016: 34

The reanalysis included samples from athletes from 89 NOCs and from 16 sports.

Background information:

- The amount of stored urine is limited, so it is not desirable to reanalyse before new tests are developed unless the intelligence for a particular new test in a particular group of athletes means that is worthwhile. This is the case for a number of London samples thanks to the new test for steroids (long-term metabolites).
- New tests for substances other than anabolic steroids may be developed in the next three years – perhaps for Erythropoiesis-Stimulating Agents (ESAs), like EPO, blood transfusions and small peptides (e.g. growth hormone), so unless there is a good reason we want to keep samples until nearer to the eight-year mark.
- For obvious reasons, the exact test distribution plan (TDP) is not divulged as that is useful intelligence for cheaters – the more unpredictable testing is, the more effective the deterrence.



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Beijing 2008: by country

Country	Number of athletes per delegation	Number of AAFs 2009	Number of AAFs 2016
Armenia	25		2
Azerbaijan	44		4
Bahrain	13	1	
Belarus	175		7
Croatia	98	1	
Cuba	157		2
Spain	284		1
Germany	421	1	
Greece	151	1	1
Italy	334	1	
Kazakhstan	130		7
Moldova	29		1
Qatar	20		1
Russia	454		16
Turkey	67		2
Ukraine	241		4
Uzbekistan	56		1
Total		5	49
			54

London 2012: by country

Country	Number of athletes per delegation	Number of AAFs 2015	Number of AAFs 2016
Armenia	24		1
Azerbaijan	52		1
Belarus	161		7
Georgia	34		1
Kazakhstan	115		5
Moldova	20		2
Russia	430		11
Ukraine	230	1	5
Total		1	33
			34



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Beijing 2008 and London 2012: by sport

Sport	Beijing 2008	London 2012	Total
Athletics	25	12	37
Cycling	2	1	3
Swimming		1	1
Weightlifting	22	19	41
Wrestling	5	1	6
Total	54	34	88

List of sanctioned athletes to date (8 December 2016):

Beijing 2008: 54 (5 in 2009 + 49 in 2016):

- Vanja PERISIC (CRO, athletics)
Source: [IOC News 18.11.2009](#)
- Athanasia TSOUMELEKA (GRE, athletics)
Source: [IOC News 18.11.2009](#)
- Stefan SCHUMACHER (GER, cycling)
Source: [IOC News 18.11.2009](#)
- Davide REBELLIN (ITA, cycling, SILVER)
Source: [IOC News 18.11.2009](#)
- Rashid RAMZI (BRN, athletics, GOLD)
Source: [IOC News 18.11.2009](#)
- Sibel ÖZKAN (TUR, weightlifting, SILVER)
Source: [IOC News 22.07.2016](#)
- Nurcan TAYLAN (TUR, weightlifting)
Source: [IOC News 09.08.2016](#)
- Hripsime KHURSHUDYAN (ARM, weightlifting)
Source: [IOC News 09.08.2016](#)
- Yulia CHERMOSHANSKAYA (RUS, athletics)
Source: [IOC News 16.08.2016](#)
- Anastasia KAPACHINSKAYA (RUS, athletics, SILVER)
Source: [IOC News 19.08.2016](#)
- Alexander POGORELOV (RUS, athletics)
Source: [IOC News 19.08.2016](#)
- Ivan YUSHKOV (RUS, athletics)
Source: [IOC News 19.08.2016](#)
- Alexandru DUDOGLO (MDA, weightlifting)
Source: [IOC News 31.08.2016](#)
- Nadezda EVSTYUKHINA (RUS, weightlifting, BRONZE)
Source: [IOC News 31.08.2016](#)
- Tatyana FIROVA (RUS, athletics, SILVER)
Source: [IOC News 31.08.2016](#)



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- Tigran MARTIROSYAN (ARM, weightlifting, BRONZE)
Source: [IOC News 31.08.2016](#)
- Marina SHAINOVA (RUS, weightlifting, SILVER)
Source: [IOC News 31.08.2016](#)
- Intigam ZAIROV (AZE, weightlifting)
Source: [IOC News 31.08.2016](#)
- Yarelis BARRIOS (CUB, athletics, SILVER)
Source: [IOC News 01.09.2016](#)
- Samuel Adelebari FRANCIS (QAT, athletics)
Source: [IOC News 01.09.2016](#)
- Maria ABAKUMOVA (RUS, athletics, SILVER)
Source: [IOC News 13.09.2016](#)
- Inga ABITOVA (RUS, athletics)
Source: [IOC News 13.09.2016](#)
- Denis ALEXEEV (RUS, athletics)
Source: [IOC News 13.09.2016](#)
- Anna CHICHEROVA (RUS, athletics, BRONZE)
Source: [IOC News 06.10.2016](#)
- Sardar HASANOV (AZE, weightlifting)
Source: [IOC News 26.10.2016](#)
- Wilfredo MARTINEZ (CUB, athletics)
Source: [IOC News 26.10.2016](#)
- Josephine Nnkiruka ONYIA (ESP, athletics)
Source: [IOC News 26.10.2016](#)
- Soslan TIGIEV (UZB, wrestling, SILVER)
Source: [IOC News 26.10.2016](#)
- Ekaterina VOLKOVA (RUS, athletics, BRONZE)
Source: [IOC News 26.10.2016](#)
- Olha KOROBKA (UKR, weightlifting, SILVER)
Source: [IOC News 26.10.2016](#)
- Nastassia NOVIKAVA (BLR, weightlifting, BRONZE)
Source: [IOC News 26.10.2016](#)
- Andrei RYBAKOU (BLR, weightlifting, SILVER)
Source: [IOC News 26.10.2016](#)
- Taimuraz TIGIYEV (KAZ, wrestling, SILVER)
Source: [IOC News 26.10.2016](#)
- Khadzhimurat AKKAEV (RUS, weightlifting, BRONZE)
Source: [IOC News 17.11.2016](#)
- Khasan BAROEV (RUS, wrestling, SILVER)
Source: [IOC News 17.11.2016](#)
- Natalya DAVYDOVA (UKR, weightlifting, BRONZE)
Source: [IOC News 17.11.2016](#)
- Chrysopigi DEVETZI (GRE, athletics, BRONZE)
Source: [IOC News 17.11.2016](#)
- Mariya GRABOVETSKAYA (KAZ, weightlifting, BRONZE)
Source: [IOC News 17.11.2016](#)
- Iryna KULESHA (BLR, weightlifting)
Source: [IOC News 17.11.2016](#)



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- Dmitry LAPIKOV (RUS, weightlifting, BRONZE)
Source: [IOC News 17.11.2016](#)
- Asset MAMBETOV (KAZ, wrestling, BRONZE)
Source: [IOC News 17.11.2016](#)
- Maya MANEZA (KAZ, weightlifting)
Source: [IOC News 17.11.2016](#)
- Irina NEKRASSOVA (KAZ, weightlifting, SILVER)
Source: [IOC News 17.11.2016](#)
- Vita PALAMAR (UKR, athletics)
Source: [IOC News 17.11.2016](#)
- Nizami PASHAYEV (AZE, weightlifting)
Source: [IOC News 17.11.2016](#)
- Vitaliy RAHIMOV (AZE, wrestling, SILVER)
Source: [IOC News 17.11.2016](#)
- Vladimir SEDOV (KAZ, weightlifting)
Source: [IOC News 17.11.2016](#)
- Elena SLESARENKO (RUS, athletics)
Source: [IOC News 17.11.2016](#)
- Denys YURCHENKO (UKR, athletics, BRONZE)
Source: [IOC News 17.11.2016](#)
- Ilya ILIN (KAZ, weightlifting, GOLD)
Source: [IOC News 25.11.2016](#)
- Pavel LYZHYN (BLR, athletics)
Source: [IOC News 25.11.2016](#)
- Aksana MIANKOVA (BLR, athletics, GOLD)
Source: [IOC News 25.11.2016](#)
- Natallia MIKHNEVICH (BLR, athletics, SILVER)
Source: [IOC News 25.11.2016](#)
- Sviatlana USOVICH (BLR, athletics)
Source: [IOC News 25.11.2016](#)

Re-tests London 2012: 34 (1 in 2015 + 33 in 2016)

- Olga BERESNYEVA (UKR, swimming)
Source: [IOC News 12.06.2015](#)
- Yulia KALINA (UKR, weightlifting, BRONZE)
Source: [IOC News 13.07.2016](#)
- Pavel KRYVITSKI (BLR, athletics)
Source: [IOC News 09.08.2016](#)
- Oleksandr PYATNYTSYA (UKR, athletics, SILVER)
Source: [IOC News 09.08.2016](#)
- Evgeniia KOLODKO (RUS, athletics, SILVER)
Source: [IOC News, 20.08.2016](#)
- Ekaterina GNIDENKO (RUS, cycling)
Source: [IOC News 13.09.2016](#)



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- Tatyana LYSENKO (RUS, athletics, GOLD)
Source: [IOC News 11.10.2016](#)
- Apti AUKHADOV (RUS, weightlifting)
Source: [IOC News 18.10.2016](#)
- Maksym MAZURYK (UKR, athletics)
Source: [IOC News 18.10.2016](#)
- Zulfiya CHINSHANLO (KAZ, weightlifting, GOLD)
Source: [IOC News 27.10.2016](#)
- Kirill Ikonnikov (RUS, athletics)
Source: [IOC News 27.10.2016](#)
- Maiya Maneza (KAZ, weightlifting, GOLD)
Source: [IOC News 27.10.2016](#)
- Svetlana Podobedova (KAZ, weightlifting, GOLD)
Source: [IOC News 27.10.2016](#)
- Dzina Sazanavets (BLR, weightlifting)
Source: [IOC News 27.10.2016](#)
- Marina Shkermankova (BLR, weightlifting, BRONZE)
Source: [IOC News 27.10.2016](#)
- Dmitry Starodubtsev (RUS, athletics)
Source: [IOC News 27.10.2016](#)
- Yauheni Zharnasek (BLR, weightlifting)
Source: [IOC News 27.10.2016](#)
- Besik KUDUKHOV (RUS, wrestling, SILVER – Deceased person proceedings filled)
Source: [IOC News 27.10.2016](#)
- Andrey DEMANOV (RUS, weightlifting)
Source: [IOC News 21.11.2016](#)
- Oleksandr DRYGOL (UKR, athletics)
Source: [IOC News 21.11.2016](#)
- Cristina IOVU (MDA, weightlifting, BRONZE)
Source: [IOC News 21.11.2016](#)
- Alexandr IVANOV (RUS, weightlifting, SILVER)
Source: [IOC News 21.11.2016](#)
- Hripsime KHURSHUDYAN (ARM, weightlifting, BRONZE)
Source: [IOC News 21.11.2016](#)
- Iryna KULESHA (BLR, weightlifting, BRONZE)
Source: [IOC News 21.11.2016](#)
- Rauli TSIREKIDZE (GEO, weightlifting)
Source: [IOC News 21.11.2016](#)
- Margaryta TVERDOKHLIB (UKR, athletics)
Source: [IOC News 21.11.2016](#)
- Almas UTESHOV (KAZ, weightlifting)
Source: [IOC News 21.11.2016](#)
- Nataliya ZABOLOTNAYA (RUS, weightlifting, SILVER)
Source: [IOC News 21.11.2016](#)
- Yuliya Zaripova (RUS, athletics, GOLD)
Source: [IOC News 21.11.2016](#)
- Anatoli CIRICU (MDA, weightlifting, BRONZE)
Source: [IOC News 21.11.2016](#)



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- Ilya ILIN (KAZ, weightlifting, GOLD)
Source: [IOC News 25.11.2016](#)
- Aksana MIANKOVA (BLR, athletics)
Source: [IOC News 25.11.2016](#)
- Boyanka KOSTOVA (AZE, weightlifting)
Source: [IOC News 25.11.2016](#)
- Nastassia MIRONCHYK-IVANOVA (BLR, athletics)
Source: [IOC News 25.11.2016](#)