

2021 ANNUAL REPORT CHINADA

-Win Clean Medals in Two Olympic Games-

Fairplay

Honesty

Respect

Courage

Health

Ethics

Rules



独立公正 专业权威



拿干净金牌
WIN CLEAN MEDALS

WE SHOULD RESOLUTELY PUSH FORWARD THE FIGHT AGAINST DOPING, REINFORCE THE AWARENESS OF “WIN MORAL, NOBLE AND CLEAN MEDALS” , AND ENSURE “ZERO OCCURRENCE” AND “ZERO TOLERANCE” OF DOPING.

----President Xi Jinping



CHINADA

VISION

To protect the physical and mental health of athletes
To defend the sport spirit of honesty and fairness
To preserve clean sport

MISSION

To take a zero-tolerance attitude towards doping, ensuring that athletes and people related do not dare, are not able, and ultimately have no desire to dope by boosting efficient anti-doping program

GOAL

To establish a world-class anti-doping agency with independence, impartiality, profession and authority

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01 Foreword



Chen Zhiyu
Director General, CHINADA

The year 2021 marked the beginning of a new journey for building a leading sports nation and is also the most significant year in the history of CHINADA. With Tokyo Olympic Games, Shaanxi National Games and Beijing Winter Olympic Games held one after another, CHINADA faced the highest goal, the most onerous task, the most complex problems and the most severe situation. All CHINADA staff bravely took on the responsibility and united as one, resolutely implemented the instruction of Present Xi Jinping of anti-doping work. Guided by the *Anti-Doping Strategic Plan (2018-2022)* and the *14th Five-Year Plan of Sports Development of the General Administration of Sport of China*, CHINADA resolutely promoted the fight against doping, strengthened the awareness of “winning moral, noble and clean medals”, focus on both preventing and dissolving the risk of doping, ensuring that athletes and people related do not dare, are not able, and ultimately have no desire to dope, and achieved the goal of “zero-occurrence of doping” and “win clean medals” in the two Olympic Games, completed all tasks for 2021 at a high level with high quality.

This year, CHINADA successfully completed the anti-doping work in preparation for the Tokyo Olympic Games, implemented the “strictest doping test in history and the world”, and achieved the goal of “zero occurrence of doping” for the Chinese sports delegation. CHINADA also carried out doping control program of Chinese delegation preparing for and attending the Beijing Winter Olympic Games, providing a strong guarantee for the Beijing Winter Olympic Games to be as clean and pure as ice and snow. The anti-doping work of the 14th National Games was successfully completed. Great achievements have been made in anti-doping science and technology. The DBS test and analysis was applied for the first time in the Beijing Winter Olympic Games, and the anti-doping intelligent management system was comprehensively applied. The concept of innovation oriented anti-doping has been deeply rooted in hearts of all parties and fully implemented. The anti-doping governance system has been further improved, and a nationwide anti-doping organization system has been basically completed. The effectiveness of modern governance is being fully demonstrated, laying a solid foundation for the high-quality development of anti-doping. The National Anti-Doping Laboratory (Beijing) was transfer to Beijing Sport University in a stable, safe and orderly manner.

In the future, CHINADA will further improve the anti-doping governance system with Chinese characteristics, push forward the modernization and achieve high-quality development of the governance system based on the new development stage and thoroughly implementation of the new development concept, according to the work plan for sports development and anti-doping in the 14th Five-Year Plan and the strategic goal of building a leading sports nation by 2035.

CHINADA aims to protect and maintain clean sports and athletes, and will continuously working towards the goal of establishing a world-class, independence, impartial professional and authoritative NADO. We will continue to improve the ability to prevent and dissolve the risk of doping, improve the quality and level of doping test, analysis, investigation, results management and education. At the same time, we will strengthen communication with WADA and other anti-doping organizations and make more contributions to promoting anti-doping governance in China and the world.

陈子宇

02 2021 Overview

Organization System

Anti-Doping Dept. in NFs	■	38
Provincial Anti-Doping Organizations	■	30

Education

Qualification Programs	■	767
Outreach Programs	■	218
Education Lectures	■	1,006
CADEP Registers	■	282,700
Clean Sport Education Officers	■	National 215 Provincial 1,784

Testing

Tests	■	26,320
DCOs	■	1,080

Analysis

Beijing Lab	■	18,419
Overseas Lab	■	7,901

ADRVs

AAFs	■	23
Others	■	8

Hearing

Hearing	■	8 person-time
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TUE

Applications	■	135
Granted	■	32

Meat and Nutritional Supplements Analysis

Meat Samples	■	3,267
Nutritional Supplements	■	378

Scientific Research

Academic Achievements	■	7
Research Project	■	1
Journal of <i>Anti-doping Research</i>	■	6 issues

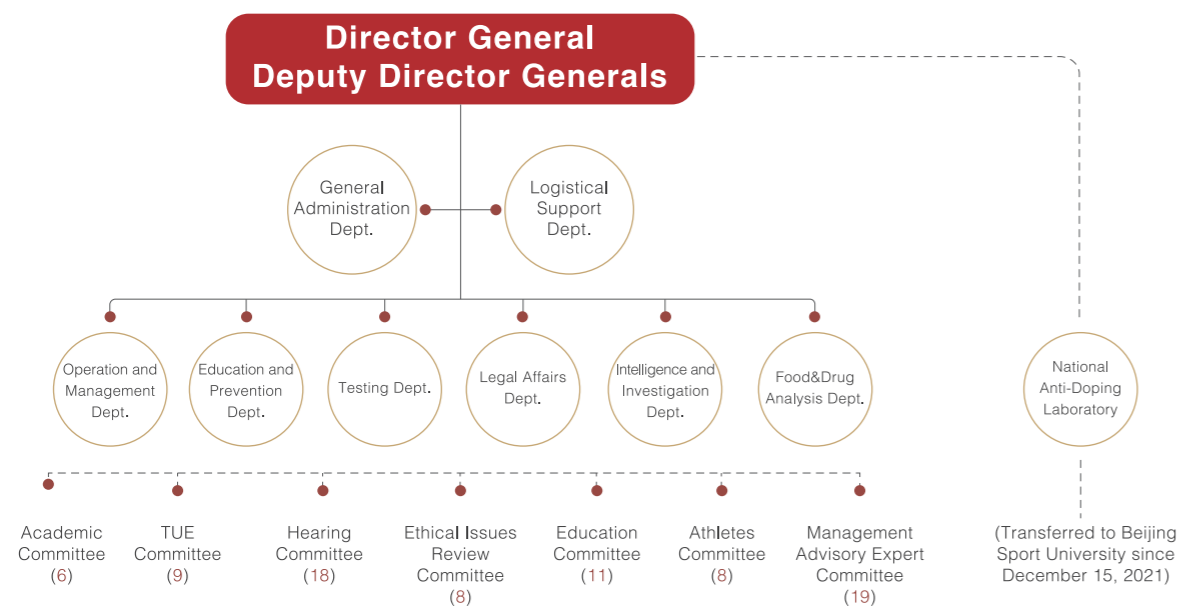
WeChat

Subscribers	■	160,840
Visits	■	253,017
Posters	■	142

Website

Visits	■	440,772
News	■	109

03 Team CHINADA



13 staff employed in 2021, with a total of 70 (excluding National Anti-Doping Laboratory).

Contact Information

Business	Tel.	E-Mail
Administration Coordination	010-84376283	contact@chinada.cn
Anti-Doping Coordination	010-64912128	ygc@chinada.cn
Education	010-84376806	edu@chinada.cn
Publicity	010-84370470	edu@chinada.cn
Client Services	010-64910443	jianchachu@chinada.cn
Whereabouts	010-64953956	whereabouts@chinada.cn
Tip-off	010-84376231	jubao@chinada.cn
Results Management	010-84376382	rm@chinada.cn
TUE	010-84376808	tue@chinada.cn
Analysis on Food, Drugs and Supplements	010-64912132	lab@chinada.cn

DCO Team in 2021

No.	Unit.	DCO Number	No.	Unit.	DCO Number
1	CHINADA	451	17	Hunan	17
2	Jiangsu	48	18	Sichuan	16
3	Beijing	43	19	Qinghai	15
4	Liaoning	43	20	Fujian	14
5	Shandong	39	21	Macao	14
6	Shaanxi	39	22	Guangxi	11
7	Shanghai	39	23	Chongqing	11
8	Zhejiang	38	24	Xinjiang	8
9	Hubei	29	25	Yunnan	8
10	Hebei	28	26	Heilongjiang	7
11	Tianjin	27	27	Jilin	6
12	Henan	26	28	Shanxi	6
13	Jiangxi	26	29	Anhui	3
14	Ningxia	23	30	Gansu	3
15	Guangdong	20	31	Tibet	3
16	Guizhou	19	Total		1080

Clean Sport Education Officer Team in 2021

No.	Unit	National	Provincial
1	CHINADA	8	0
2	Provinces	145	1784
3	NFs	55	0
4	Beijing Sport University	3	0
5	China Administration of Sport for Persons with Disability	3	0
6	Public	1	0
Total		215	1784

[Clean Sport Education Officers of NFs]

No.	NF	National Officers
1	Winter Sport Management Center, GASC	8
2	Chinese Athletics Association	8
3	Shooting and Archery Administrative Center, GASC	3
4	Mountaineering Administrative Center, GASC	3
5	Chinese Triathlon Association	3
6	Aquatics Management Center, GASC	2
7	Swimming Management Center, GASC	2
8	Social Sports Guidance Center, GASC	2
9	Chinese Football Association	2
10	Weightlifting, Wrestling and Judo Management Center, GASC	1
11	Handball, Hockey, Baseball and Softball Sports Management Center, GASC	1
12	Basketball Management Center, GASC	1
13	Volleyball Management Center, GASC	1
14	Multi-ball games Administrative, GASC	1
15	Board and Card Games Administrative Center, GASC	1

No.	NF	National Officers
16	Zhanjiang Diving Sports School, GASC	1
17	Qinhuangdao Training Base, GASC	1
18	Chinese Basketball Association	1
19	Chinese Ski Association	1
20	Chinese Figure Skating Association	1
21	Chinese Ice Hockey Association	1
22	Chinese Cycling Association	1
23	Chinese Fencing Association	1
24	Chinese Rowing Association	1
25	Chinese Wrestling Association	1
26	Chinese Boxing Federation	1
27	Chinese Taekwondo Association	1
28	Chinese Table Tennis Association	1
29	Chinese Badminton Association	1
30	Chinese Extreme Sports Association	1
31	Chinese Bodybuilding and Fitness Association	1
Total		55

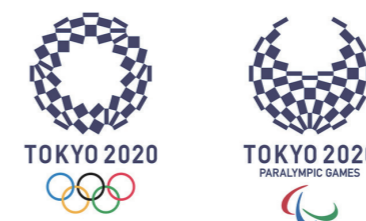
[Clean Sport Education Officers of Provinces]

No.	Province	National Officers	Provincial Officers
1	Beijing	7	34
2	Tianjin	6	23
3	Hebei	5	63
4	Shanxi	5	50
5	Inner Mongolia	2	4
6	Liaoning	11	116
7	Jilin	3	86
8	Heilongjiang	4	50
9	Shanghai	11	57
10	Jiangsu	4	53
11	Zhejiang	9	102
12	Anhui	3	25
13	Fujian	3	77
14	Jiangxi	4	51
15	Shandong	7	188
16	Henan	6	52

No.	Province	National Officers	Provincial Officers
17	Hubei	8	137
18	Hunan	3	72
19	Guangdong	7	89
20	Guangxi	2	31
21	Hainan	2	24
22	Chongqing	4	64
23	Sichuan	5	86
24	Guizhou	5	83
25	Yunnan	3	65
26	Shaanxi	5	89
27	Gansu	0	9
28	Xinjiang	2	7
29	Qinghai	3	10
30	Tibet	2	1
31	Ningxia	4	16
Total		145	1784

04 Two Olympic Games

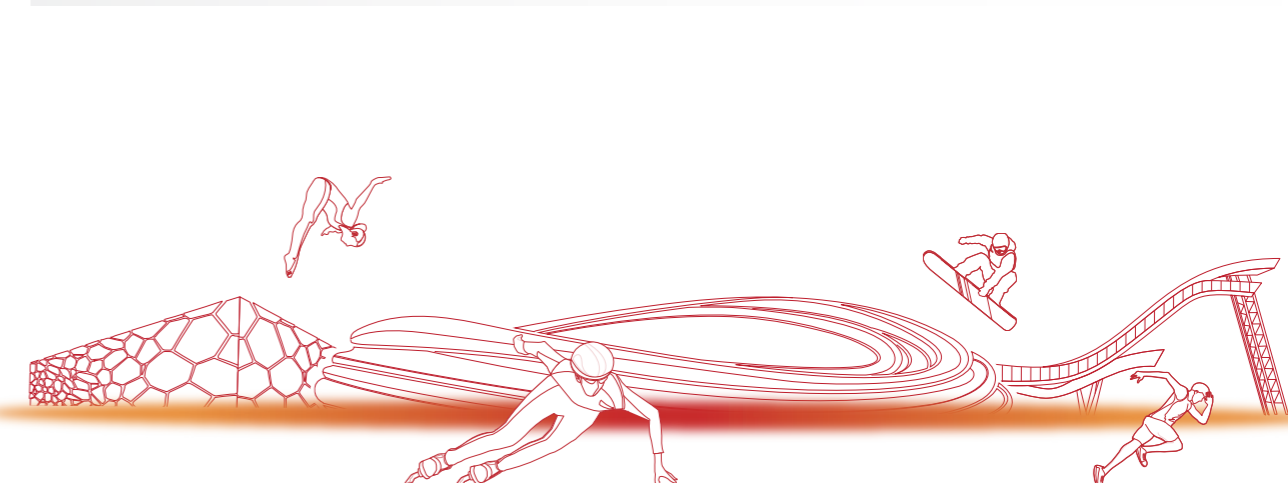
Following the important instructions of President Xi Jinping on anti-doping work, basing on the establishment of a long-term anti-doping governance system of "win clean medal", centering on the implementation of *Anti-Doping Program for the Two Olympic Games*, CHINADA successfully completed the anti-doping work for the two Olympic Games in nearly 4 years, and achieved the goal of "zero occurrence" of doping for the Chinese sports delegation at the Tokyo Olympic Games and Beijing Winter Olympic Games.



431 athletes in Chinese Sports Delegation for Tokyo Olympic Games



176 athletes in Chinese Sports Delegation for Beijing Winter Olympic Games



Tokyo Olympic Games

Unprecedented Scale of Testing and Analysis

Testing

[Test of athletes preparing for Tokyo 2020]



[Preparation period (days)]



Total **16613** tests
1003 days

Athlete with the most tests during the preparation period **74** tests

1966 tests of 3 rounds screening

3 rounds screening

3 rounds of screening, including full screening, second round screening and pre-departure screening were carried out. The gap between the doping control test and results report were minimized through careful calculation to ensure that athletes have no space and time of doping.

1966 tests

2,206 samples were long-term stored

10 years storage

For the first time, CHINADA kept samples of athletes preparing for Olympic Games for long-term storage, to ensure the traceability of AAFs and deterrence of doping control.

2069 samples

Conducted 998 overseas tests

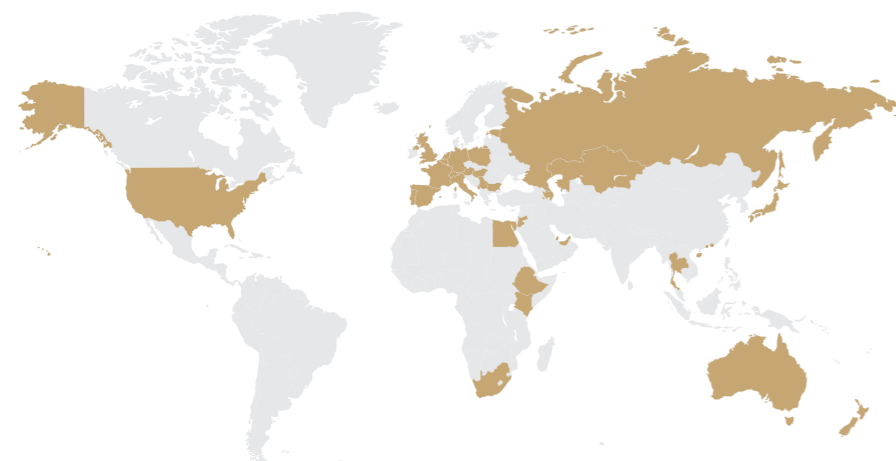
Overseas tests

As a large number of athletes preparing for the Olympic Games went overseas for training and competition, CHINADA actively adjusted test plan and intensified overseas tests.

998 tests
27 sports
33 countries & regions

Countries and regions involved

New Zealand, USA, Poland, Spain, Hungary, Austria, Serbia, Belgium, UK, Portugal, UAE, Qatar, South Africa, Jordan, France, Montenegro, Azerbaijan, Japan, Ethiopia, Russia, Kenya, Italy, Egypt, Switzerland, Australia, Thailand, Hong Kong China, Macau China, Kazakhstan, Germany, Estonia, Netherlands, Romania



Analysis



[The fastest time to report test result: within 36 hours]

All laboratory personnel overcome the difficulties of tight schedule and heavy tasks, and reduced the results reporting time of the last round of screening tests from 20 days to less than 36 hours while ensuring the accuracy and reliability.



[Peek -- 99 samples a day]

To ensure the screening tests of the Chinese Sports Delegation, the number of analyzed samples increased significantly, and the laboratory entered a 24-hour continuous operation mode. By optimizing the working process, the peak number of analyzed samples reached 99 in a single day.



[24-hour continuous operation]

In order to ensure the timely feedback of the results of the 3 rounds of screening, the laboratory was in a 24-hour high-intensity continuous operation to ensure the sample analyze of the Chinese Sport Delegation.

Impregnable Prevention System

System construction

Zero-Occurrence Plan

CHINADA formulated the *Zero-Occurrence Plan for Doping in Preparation for the Tokyo Olympic Games and Beijing Winter Olympic Games*.

100% construction rate

All NFs of Olympic sports have set up anti-doping departments

10+ supporting management documents

Guide for the Construction of the National Team's Doping Risk Prevention and Control System

Notebook of National Team Anti-Doping Management

...

Education

2636 people

1423 athletes **1213** support personnel

registered at the CADEP for the Tokyo Olympic Games Session.

100% pass rate of qualification



Risk prevention and control of meat, nutritional supplement and medicine

Meat Samples

2906

Tokyo Olympic Games

836

Tokyo Paralympics Games

Nutritional Supplements

368

A total of 3,532 meat samples from national team training base (including temporary base), and 836 meat samples from the training base in preparation for the Tokyo Paralympics Games were analyzed, from November of 2018 till July of 2021.

CHINADA actively cooperated with China Sport Science Society to complete the analysis of the nutritional supplements centrally purchased by the national team for Tokyo Olympic Games, and did its best to shorten the analyzing time. During the whole preparation period, 368 kinds of supplements were analyzed.

Beijing Winter Olympic Games

Unprecedented Scale of Testing and Analysis

Testing

[Test of athletes preparing for Beijing 2022]



Total **7089** tests
1432 days

[Preparation period (days)]



Athlete with the most tests during the preparation period **63** tests

1700 tests of 3 rounds screening

3 rounds screening

3 rounds of screening, including full screening, second round screening and pre-village screening were carried out. DCOs wearing high-level personal protective equipment to test athletes who have just returned from foreign training and competition to ensure timely completion of test mission.

1700 tests

1,313 samples were long-term stored

10 years storage

A total of 1,313 samples from three rounds of screening of athletes preparing for the Beijing Winter Olympic Games were stored for 10 years, so as to ensure the traceability of AAFs and strengthen the deterrence of doping control.

1313 samples

Conducted 1,132 overseas tests

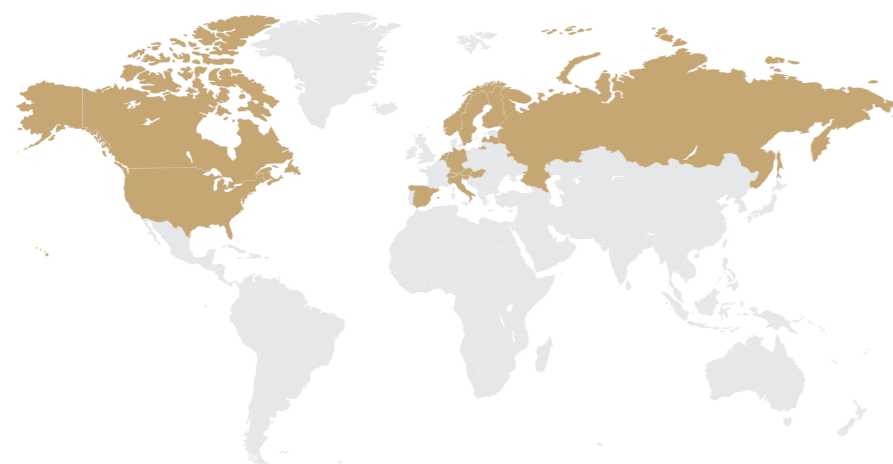
Overseas tests

More than half of the teams preparing for the Beijing Winter Olympics trained and participated in the qualification competitions abroad, and the number of overseas tests increased significantly.

1132 tests
13 sports
15 countries & regions

Countries and regions involved

Norway, Austria, Germany, Russia, Switzerland, Slovenia, Finland, USA, Latvia, Netherlands, Sweden, Hungary, Canada, Spain, Italy



Analysis

9+1

[More analysis types]

In the 3 rounds of screening carried out for Beijing Winter Olympics Games, Gene doping analysis was added additionally to the 9 types used during the screening for Tokyo Olympic Games, which including urine, ESAs, GHRF, GHRH, GH, Insulins, BT, blood ABP and DBS.



[Closer cooperation]

In close cooperation with a number of laboratories around the world, all links of international logistics were on time connected, the transfer time of samples was shortened, and the monitoring samples were sent to the laboratory as soon as possible and the test results were obtained in due course.

Impregnable Prevention System

System construction

Zero-Occurrence Plan

CHINADA formulated the *Zero-Occurrence Plan for Doping in Preparation for the Tokyo Olympic Games and Beijing Winter Olympic Games*.

To guide the Establishment of Risk Prevention and Control System for National Teams

Winter Sport Management Center set up anti-doping department 4 staffs. The 29 national teams have 35 anti-doping commissioners, 65 anti-doping personnel and 146 personnel responsible for athletes' anti-doping management.

Full coverage Research

Conducted on-site surveillance of 15 national teams preparing for the Beijing Winter Olympics, and conducted online surveillance of 14 national teams that were training and competition abroad or within close-loop.

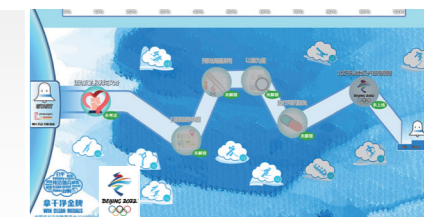
Education

1402 people

565 athletes **837** support personnel

registered at the CADEP for the Beijing Winter Olympic Games Session.

100%
pass rate of qualification



Risk prevention and control of meat, nutritional supplement and medicine

Meat Samples

1699

Nutritional Supplements

393

Medicine Review



Since March 1, 2018, a total of 1,699 meat samples for the winter sports national team training base, and 393 kinds of nutritional supplements in the national supplement catalogue of China Sport Science Society were analyzed.

An expert group was set up to ensure the safe use of medicines for athletes and review the medicines to be used by the medicine list to be carried by the Chinese Sports Delegation, so as to prevent and resolve the potential doping problems caused by therapeutic medicines.

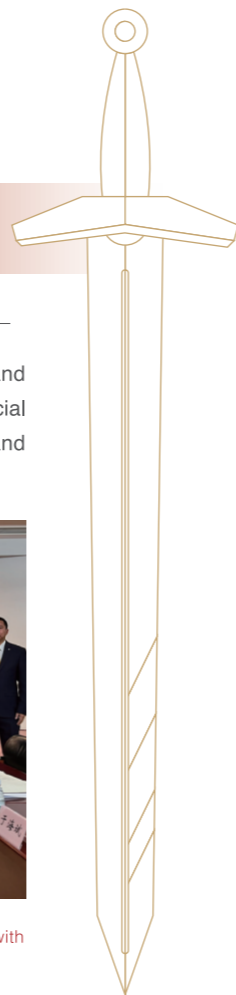
Intelligence and investigation



MoU

CHINADA, ITA, the General Administration of Sport of China, the Ministry of Public Security, the General Administration of Customs and the Beijing Olympic Games Organizing Committee signed a MoU to strengthen cooperation on anti-doping investigation information and intelligence sharing, protect the physical and mental health of athletes, maintain fair sports competitions and ensure the smooth progress of the Beijing Olympic Winter Games.

05 Legal System



Deepen the doping criminalization and maintain a tough stance in cracking down on doping

The Crime of Obstructing Administration of Doping incorporated into the Amendment (XI) to the Criminal Law and came into effect on March 1, 2021. CHINADA has actively strengthened cooperation with public security and judicial organs, investigated the criminal responsibilities of relevant personnel and jointly cracked down on the illegal and criminal activities of doping.



On December 22, 2021, CHINADA signed the Memorandum of Anti-Doping Intelligence Sharing and Law Enforcement Cooperation with the Narcotics Control Bureau of the Ministry of Public Security.

Typical Cases

■ Case 1

CHINADA actively cooperated with Shanghai public security authority and market supervision department to investigate and punish the case of illegal sale of doping by a biotechnology company. In May 2021, the relevant defendants were sentenced to 4 and 5 years in prison respectively by the People's Court of first instance for the crime of "illegal business operations of doping", which was the first case in which criminal sanctions were applied under the Judicial Interpretation of Doping Criminal Cases.

■ Case 2

In the process of dealing with a ADRV case, Hubei Anti-doping Agency took the initiative to carry out investigation and assisted the public security authority to verify the crime of producing and selling toxic and harmful food containing doping. In December 2021, the 2 defendants were sentenced by the People's Court of first instance to 5 to 10 years in prison for "producing and selling toxic and harmful food." This is a typical case of criminal sanctions on the production and sale of toxic and harmful food containing doping after the issuance of Judicial Interpretation on Doping Criminal Cases.

Implement the 2021 World Anti-Doping Code and International Standards

The 2021 *World Anti-Doping Code* came into force on January 1, 2021. In order to strictly comply with the 2021 Code and International Standards, CHINADA formulated and implemented the new *Anti-Doping Rules* to ensure the coordination of international and domestic rules.

CHINADA translated 6 International Standards and officially released the Chinese Edition in order to promote the study, understanding and research.



Formulate and issue documents supporting the Anti-Doping Rules



Implementation Rules for ADRV Hearings



Implementation Rules for Athlete Whereabouts Information Management

Awarded for Advanced Unit of National Law Popularization



06 Operation and Management

CHINADA implemented the Anti-Doping Strategic Plan (2018-2022), ensuring that the Chinese sports delegation participating clean in the 2020 Tokyo Olympic Games and the 2022 Beijing Winter Olympic Games, basically established a vertical and horizontal crosse anti-doping organization system, actively promoted the "win clean medal" anti-doping long-term governance system.

Anti-doping Organization System

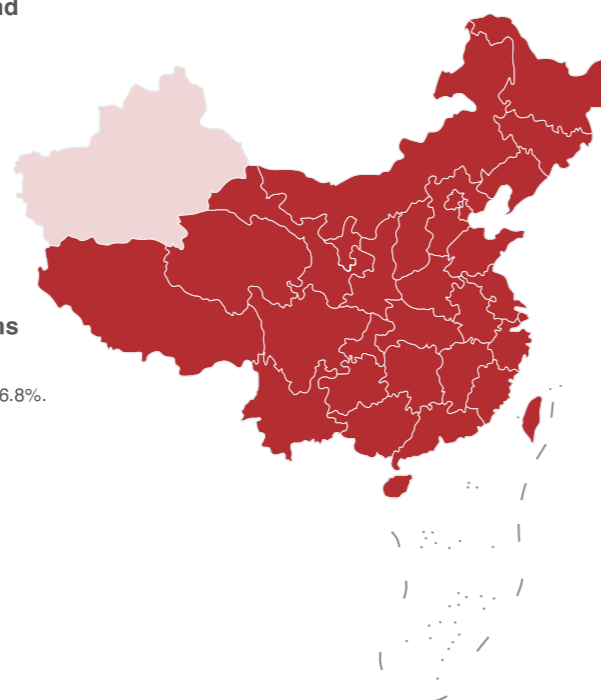
2231 anti-doping staff in China
336 full-time and 1,895 part-time

38 38 NFs have set up anti-doping departments covering all sports for the Summer and Winter Olympics.

509 509 NFs anti-doping staff
76 full-time and 433 part-time

30 30 provincial anti-doping organizations
30 of the 31 provinces have set up provincial anti-doping agencies, with an establishment rate of 96.8%.

1722 1,722 provincial anti-doping staff
260 full-time and 1,462 part-time



[Number of Provincial Anti-Doping Staff]

No.	Provinces	Full-Time staff	Part-Time staff	Total
1	Beijing	21	35	56
2	Tianjin	6	59	65
3	Hebei	19	15	34
4	Shanxi	5	27	32
5	Inner Mongolia	2	36	38
6	Liaoning	12	12	24
7	Jilin	2	47	49
8	Heilongjiang	1	29	30
9	Shanghai	8	99	107
10	Jiangsu	5	139	144
11	Zhejiang	20	33	53
12	Anhui	3	68	71
13	Fujian	3	4	7
14	Jiangxi	6	33	39
15	Shandong	47	78	125
16	Henan	26	93	119

No.	Provinces	Full-Time staff	Part-Time staff	Total
17	Hubei	5	22	27
18	Hunan	1	27	28
19	Guangdong	12	60	72
20	Guangxi	1	49	50
21	Hainan	1	8	9
22	Chongqing	26	57	83
23	Sichuan	5	59	64
24	Guizhou	3	51	54
25	Yunnan	4	32	36
26	Shaanxi	16	99	115
27	Gansu	0	32	32
28	Xinjiang	0	36	36
31	Qinghai	0	39	39
32	Tibet	0	8	8
33	Ningxia	0	76	76
Total		260	1462	1722

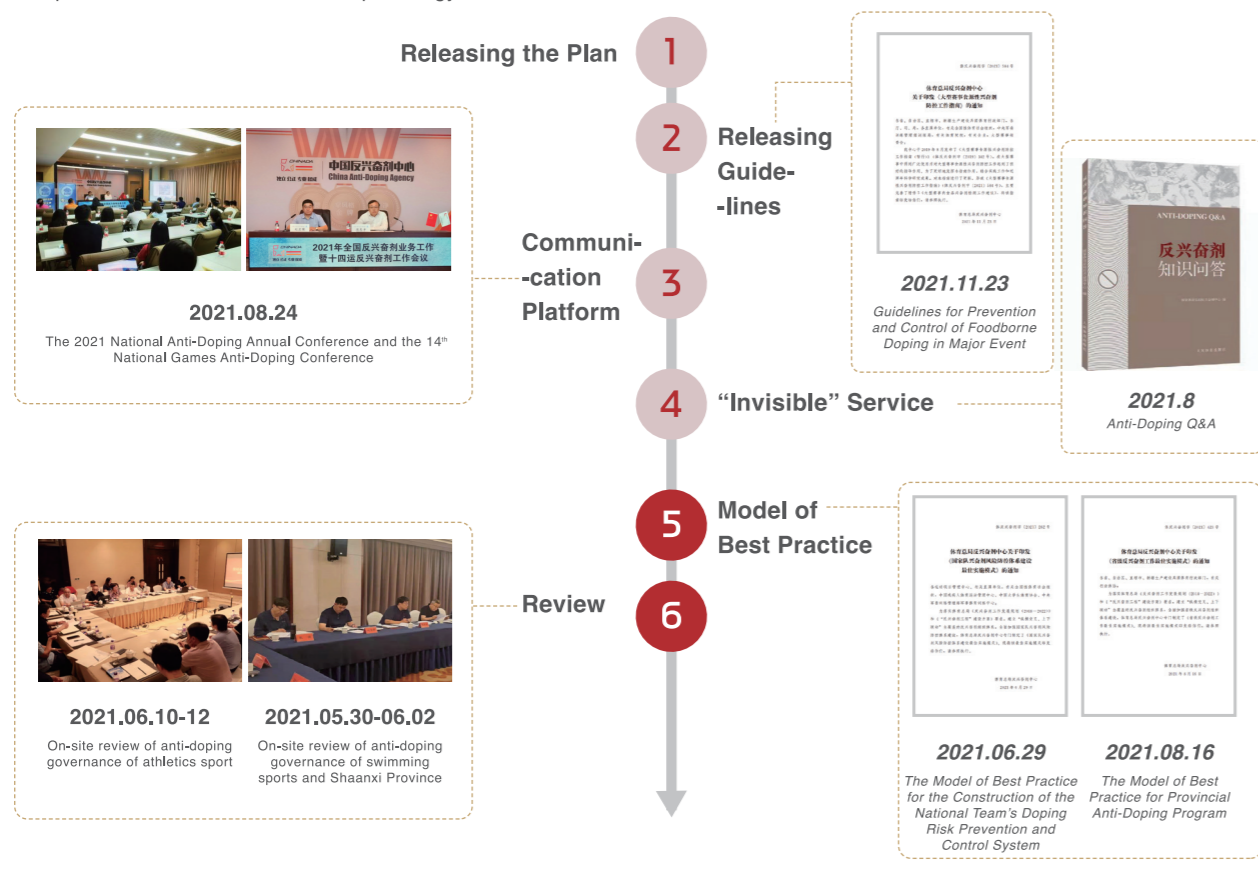
[Number of NF Anti-Doping Staff]

No.	NFs	Full-Time Staff	Part-Time Staff	Total
1	Winter Sport Management Center, GASC	8	121	129
2	Shooting and Archery Administrative Center, GASC	3	15	18
3	Cycling and Fencing Management Center, GASC	5	1	6
4	Aquatics Management Center, GASC	2	13	15
5	Weightlifting, Wrestling and Judo Management Center, GASC	2	32	34
6	Boxing and Taekwondo Management Center, GASC	3	0	3
7	Swimming Management Center, GASC	2	3	5
8	Gymnastics Administrative Center, GASC	1	6	7
9	Handball, Hockey, Baseball and Softball Sports Management Center, GASC	0	6	6
10	Volleyball Management Center, GASC	0	2	2
11	Table Tennis and Badminton Management Center, GASC	4	0	4
12	Tennis Administrative Center, GASC	3	3	6
13	Multi-ball Games Administrative Center, GASC	2	10	12
14	Wushu Administrative Center, GASC	3	7	10
15	Mountaineering Administrative Center, GASC	1	3	4
16	Social Sports Guidance Center, GASC	12	46	58
17	Chinese Football Association	1	8	9
18	Chinese Basketball Association	2	20	22
19	Chinese Athletics Association	2	14	16

No.	NFs	Full-Time Staff	Part-Time Staff	Total
20	Chinese Equestrian Association	1	5	6
21	Chinese Cycling Association	2	3	5
22	Chinese Fencing Association	0	2	2
23	Chinese Triathlon Association	3	5	8
24	Chinese Modern Pentathlon Association	0	1	1
25	Chinese Yachting Association	2	13	15
26	Chinese Rowing Association	5	12	31
27	Chinese Canoe Association		14	
28	Chinese Wrestling Association	0	15	15
29	Chinese Judo Association	0	13	13
30	Chinese Boxing Federation	0	21	21
31	Chinese Taekwondo Association	1	5	6
32	Chinese Karatedo Association	1	0	1
33	Chinese Baseball Association	0	2	2
34	Chinese Softball Association	0	8	8
35	China Golf Association	0	1	1
36	Chinese Rugby Football Association	0	3	3
37	Chinese Table Tennis Association	2	0	2
38	Chinese Badminton Association	3	0	3
Total		76	433	509

Six-Step Strategy

Based on the completion of the first 4 steps in 2019 and 2020, the fifth and sixth steps were successfully implemented in 2021 to complete the full chain of the six-step strategy.



Management Advisory Expert Committee

On November 25, 2021, the establishment meeting of the Management Advisory Expert Committee was held online. The Management Advisory Expert Committee is composed of 19 experts in the fields of anti-doping risk prevention and doping control of national teams, provinces and major events, anti-doping regulations, IT and TUE.



Anti-Doping Program in Major Events

14th National Games

CHINADA has successfully completed the anti-doping work of the 14th National Games by following the important instructions of President Xi Jinping, strictly implementing the requirements of the General Administration of Sport of China, with a firm attitude of "zero tolerance" towards doping.

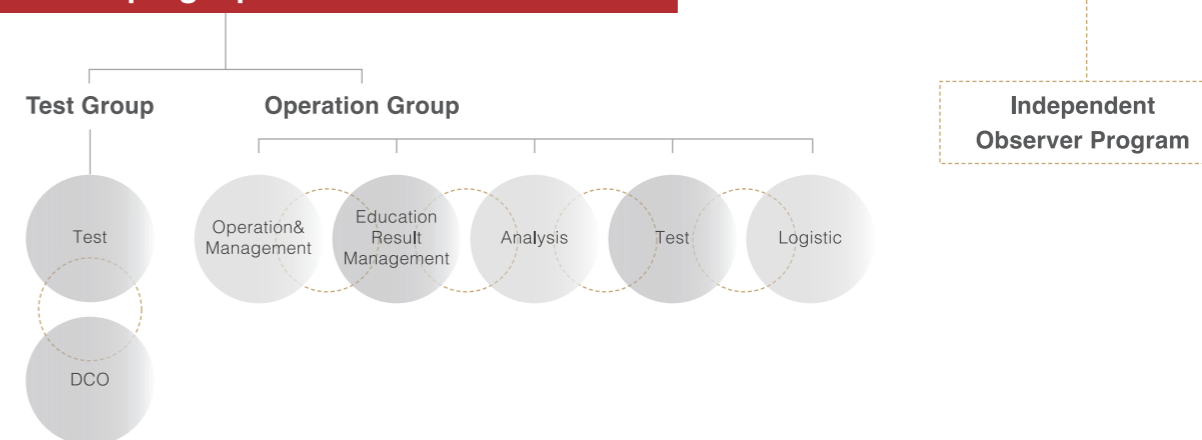


Event Operation

- 2020.06 -- The anti-doping Department of the Organizing Committee of the 14th National Games was established.
- 2021.01 -- The anti-doping work plan was completed.
- 2021.01-08 -- Pre-competition doping screening covered all representative units in the National Games for the first time, with 73.5% of the tests as target tests.
- 2021.08 -- The 2021 National Anti-Doping Annual Conference and the 14th National Games Anti-Doping Conference was held.
- 2021.09 -- The 2021 DCO Conference and the Training Course of the 14th National Games was held.
- 2021.09.08-27 -- The operation group, test group and supervision group operated continuously, and carried out anti-doping test, analysis, education, result management, supervision and coordination.



Anti-Doping Operation Command Center



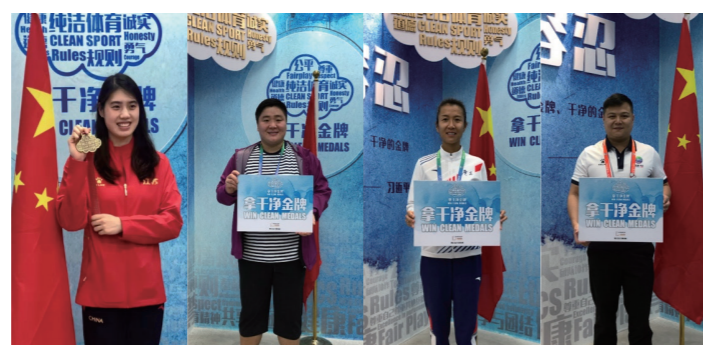
Highlights

CHINADA built a platform for communication with provinces, relying on the 14th National Games, with leaders of GASC and delegations from 20 provinces visited the Operation Command Center.



A total of 41,744 athletes and their support personnel from 35 participating units completed qualification, with an average score of 92.4 points.

3,222 athletes and their support personnel from 31 provinces and Macau visited the anti-doping education base. Anti-doping education activities for amateur and recreational sports covered 900 person-time.



3348 tests
The largest test number in National Games.

72 hours
The laboratory runs 24 hours a day. Majority of routine sample analysis and reporting results within 72 hours.

100% paperless test
The first time to fully carry out paperless test.

6 granted TUE
36 TUE applications from athletes were received. 6 were granted after review.

Independent Observer Program

CHINADA conducted Independent Observer program with outside experts at the 14th National Games.

IO Team				
	Zhang Jian	Long Qingquan	Xu Youxuan	Zheng Xiaohua
	Gong Xiaoyan	Wang Ru	Xu Jiulan	Liu Jun

IO	Interviewed athletes	Interviewed athletes supporting personnel
8	30	9
Worked	Observed notification	Observed sample collection
19 days	27 times	39 times
Completed	Found	Came up
55 daily reports	98 highlights	94 suggestions

Longer span, more detailed observation
from early finals to the end of the Games.

Wider scope and more comprehensive observation
involved work system, sample reception, provisional hearing, meat and supplement management and anti-doping information construction for the first time.

More methods and more practical observations
including questionnaires, interviews and on-site observations.

It is conducive to further improve the level, the transparency and credibility of anti-doping work in major events in China, and provide experience and reference for anti-doping work of future major events.

The *Independent Observer Report of the 14th National Games* was completed in May 2022.



Other Events

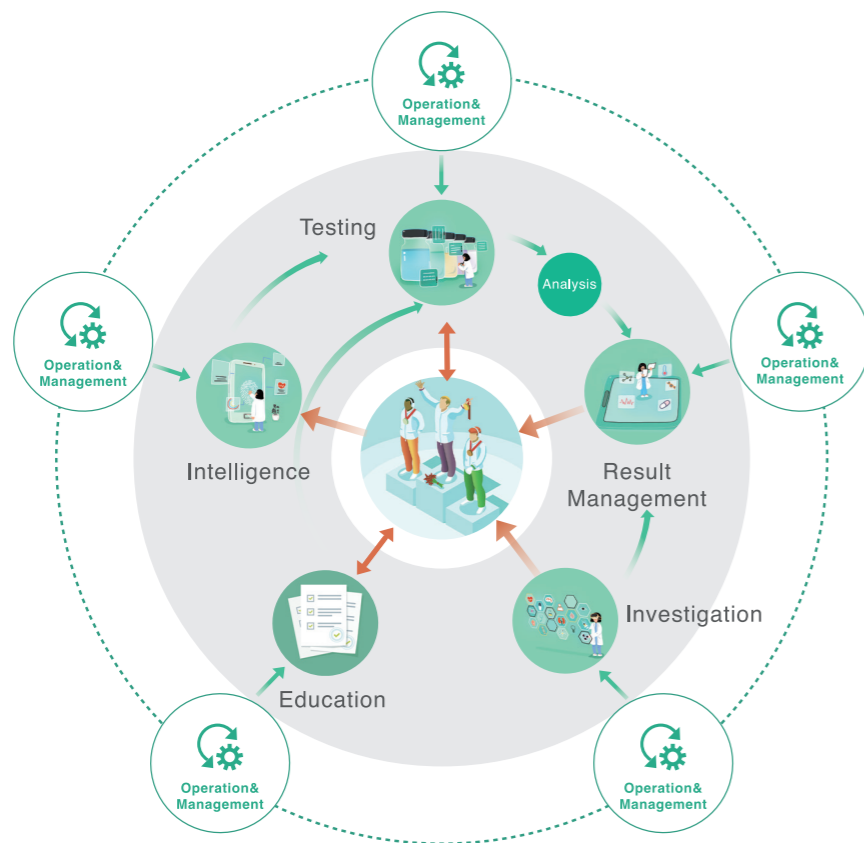
In 2021, CHINADA coordinated the anti-doping work of several major events, such as the Chengdu Universiade, Hangzhou Asian Games, Sanya Asian Beach Games and Shantou Asian Youth Games, and made steady progress.



07 Innovation

Anti-Doping Intelligent Management System

The Anti-Doping Intelligent Management System has been officially adopted in routine doping control, serving anti-doping system construction, doping control test, result management, intelligence information and major events, contribute to the informatization and intelligentization of the whole chain of doping control.



Anti-Doping Intelligent Management System based on big data and artificial intelligence

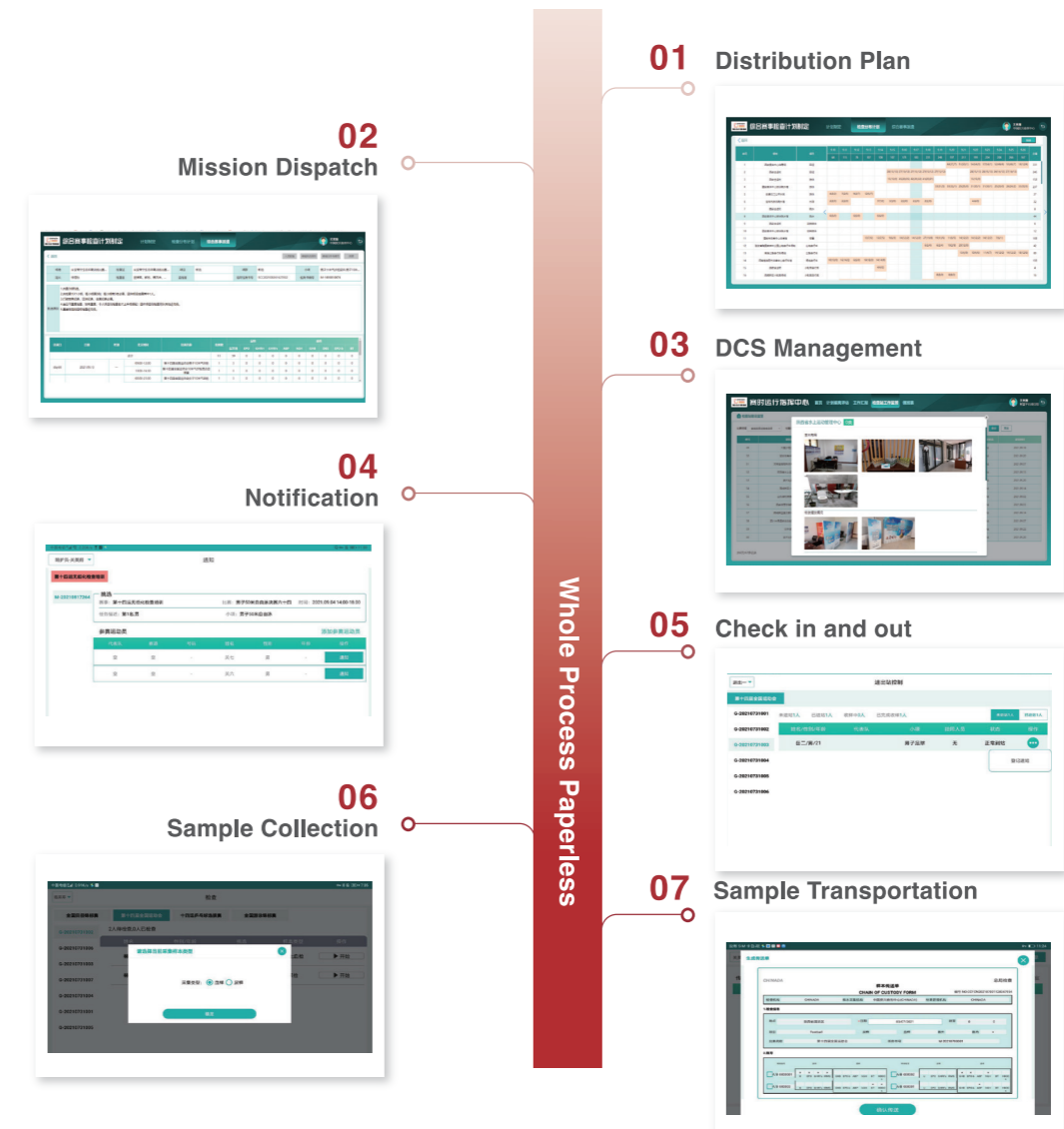


Anti-Doping Command and Operation Platform of Major Event

Keeping abreast of the progress and information of doping control on the screen of command center in a real time manner and assisting in operation and coordination.



100% paperless in the whole process of doping control test of the 14th National Games for the first time.



Dried Blood Spot Project

2019

2019.3 Start-up for DBS Project



2019.12 China DBS team established

2020

2020.10 Development of sampling collection equipment

In cooperation with Zhejiang University, CHINADA developed a new type of sample collection equipment for DBS -- CoreShell, carried out equipment trial, realized mass production of equipment and applied for CNAS validation.

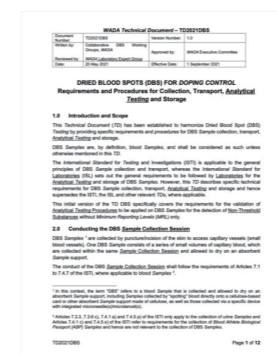


2021

2021.5 Development of analysis method

The Beijing Anti-Doping Laboratory accomplished the DBS analysis method expand validation by CNAS.

2021.5 WADA TD2021DBS was released



2021.9 CHINADA lunched DBS testing and analysis in National Games for the first time

CHINADA formulated sample collection procedures, compiled the *Work Plan of DBS Test for High-level Athletes*, filmed videos of DBS sample collection procedures, and conducted online and offline training.



2022

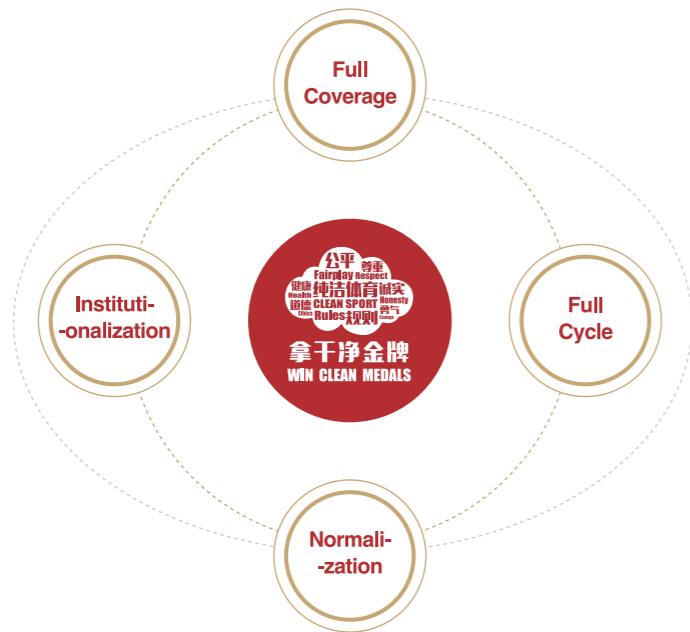
2022.2 DBS implementation at Beijing 2022

The Beijing Winter Olympic Games has become the first Olympic Games to officially carry out DBS test.



08 Education and Publicity

CHINADA promotes the full coverage, full cycle, normalized and institutionalized anti-doping education based on the value of “win clean medals”.



Education Activities

<p>Qualification programs</p> <p>767</p> 	<p>Education lectures</p> <p>1006</p> 
	<p>Outreach programs</p> <p>218</p>

Educational Resources

CHINADA developed the 6 main education courses, “Rights and Obligations of Athletes in Doping Control”, “Declaration of Whereabouts Information”, “Prevention of Misuse”, “Doping Violation Cases Study”, “TUE”, “Anti-Doping Rules of the Tokyo Olympic Games”, and 10 targeted and suggestive courses for athletes and support personnel preparing for Tokyo Olympic Games.



At the same time, to innovate the carrier of anti-doping education and enhance the affinity of anti-doping education, CHINADA designed the cartoon image “Ling Ling”, which means "zero occurrence and zero tolerance", and developed a series of interactive anti-doping education courses and videos based on this image.



CADEP Construction

CHINADA strengthened the construction of CADEP, and developed the WeChat program of CADEP. At present, there are 282,700 CADEP registrants, 71,753 increase over last year, with a growth rate of 34.1%.

CADEP Registers	Increase over 2020	Increase Rate
282700	71753	34.1%



Training Course

The 2021 National Clean Sport Education Officers Training Course (the sixth session) and the National Anti-doping Rules Training Course were held from December 2 to 3. More than 1100 people from 82 units participated online training course.



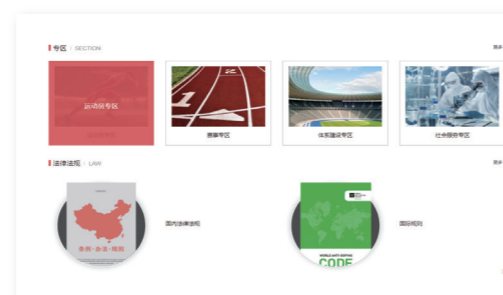
Participated in the training

1100+ people

Revision of Official Website

In order to better convey the concept of “win clean medal”, highlight positioning of “independence, impartiality, profession and authority”, and enhance service functions, CHINADA completed the revision of official website in April 2021.

The new website focuses on content release, plate setting, service functions and page style, making all-round optimization and upgrading, striving to create an intelligent information platform with stronger service functions, and fully improving the communication, guidance, influence and credibility.



Official WeChat

Posters

140

Visits

253017

Subscribers

160840



Publicity for the 14th National Games

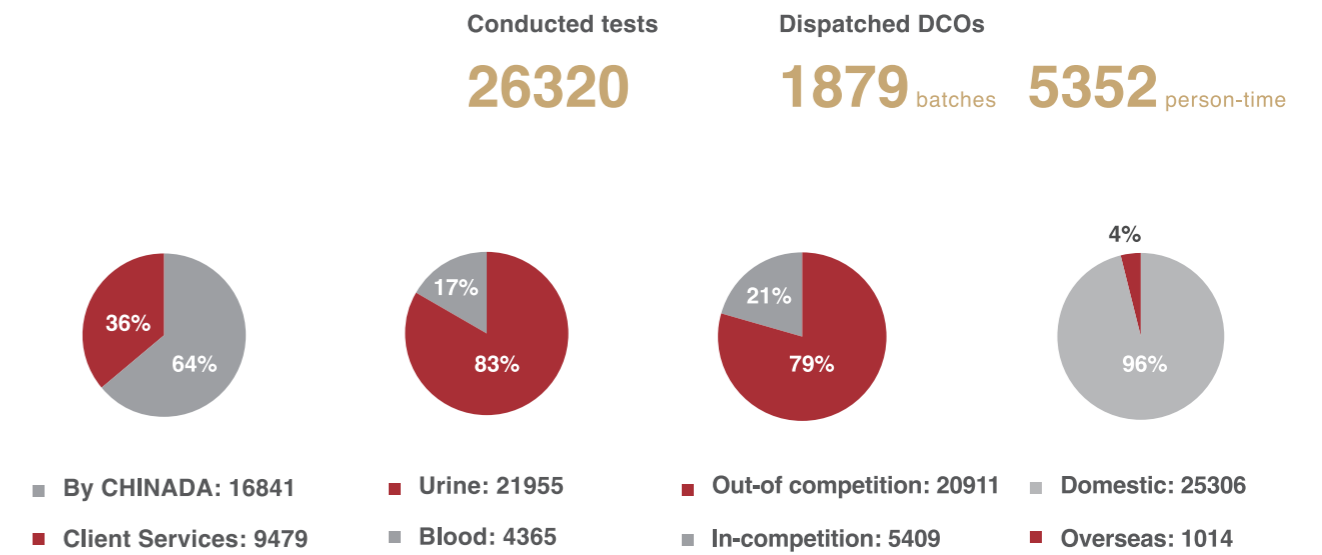
In order to convey the concept of "win clean medals", especially to young athletes and their support personnel, and enhance the awareness of "win moral, noble and clean medals", CHINADA cooperated with Xinhua News Agency, China Sports Daily and other media to comprehensively report the anti-doping work of the 14th National Games.

CHINADA fully demonstrated the participation, support and dedication of athletes, DCOs and anti-doping staff in the anti-doping project of the 14th National Games, from the pre-game meeting to news reports of provinces and NFs participating in anti-doping project, taking DCSs and Education Bases as windows, using platform like CHINADA website, WeChat and GASC website.



09 Testing

Total Tests Number

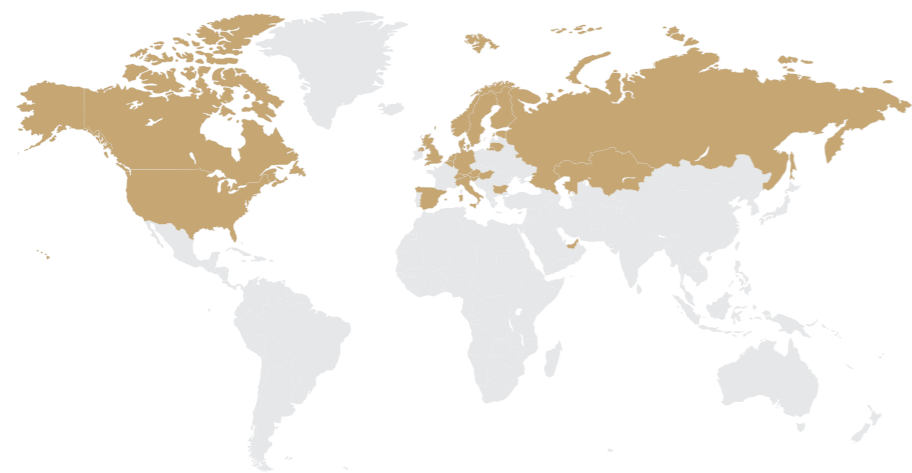


[Testing Distribution in 2021]

Agency	IC			OOC			Total		
	Urine	Blood	Total	Urine	Blood	Total	Urine	Blood	Total
CHINADA	3335	147	3482	9570	3789	13359	12905	3936	16841
CDPF	391	27	418	707	23	730	1098	50	1148
Provinces	670	0	670	5141	80	5221	5811	80	5891
FUSC and CSSF	95	0	95	9	3	12	104	3	107
IFs	221	2	223	141	52	193	362	54	416
NFs	263	2	265	1031	215	1246	1294	217	1511
Schools	120	25	145	0	0	0	120	25	145
Other	111	0	111	150	0	150	261	0	261
Total	5206	203	5409	16749	4162	20911	21955	4365	26320

[Overseas Tests in 2021]

No.	Country/Region	Tests	No.	Country/Region	Tests
1	Austria	237	13	Sweden	23
2	Russia	192	14	Finland	18
3	German	105	15	Norway	18
4	USA	70	16	UK	10
5	Latvia	63	17	Spain	6
6	Italy	50	18	Kazakhstan	5
7	Belgium	41	19	Bulgaria	4
8	Switzerland	39	20	United Arab Emirates	2
9	Netherlands	37	21	Denmark	1
10	Canada	36	22	Estonia	1
11	Hungary	28	Total	1014	
12	Slovenia	28			



[Overseas Sample Collection Agency in 2021]

No.	Sample Collection Agency	Tests
1	PWC	777
2	ITA	191
3	LGC	21
4	ADNO	18
5	USADA	7
Total		1014

Tests by CHINADA in Sports

Sports	IC		OOC		Total	
	Urine	Blood	Urine	Blood	Urine	Blood
Athletics	488	42	1197	541	1685	2268
Swimming	478	21	681	427	1159	1607
Artistic Swimming	19	0	87	28	106	134
Diving	56	0	149	20	205	225
Water Polo	22	0	127	41	149	190
BMX	24	0	21	0	45	45
Cycling-Road	62	11	100	98	162	271
Cycling-Mountain Bike	36	10	87	98	123	231
Cycling-Track	156	6	211	85	367	458
Triathlon	36	4	45	54	81	139
Weightlifting	158	14	779	49	937	1000
Wrestling	140	0	271	54	411	465
Judo	91	0	182	34	273	307
Rowing	136	24	484	322	620	966
Canoe	167	10	360	128	527	665
Field Hockey	26	0	164	59	190	249
Baseball	10	0	8	0	18	18
Softball	10	0	8	0	18	18
Football	32	0	189	62	221	283
Basketball	38	0	171	35	209	244
Basketball 3v3	31	0	125	18	156	174
Volleyball	36	0	123	36	159	195
Volleyball-Beach	31	0	83	22	114	136
Rugby Union	22	0	145	49	167	216
Golf	16	0	30	8	46	54
Roller Sport	16	0	16	6	32	38
Climbing	26	0	32	8	58	66
Surfing	9	0	5	0	14	14
Wushu	51	0	11	1	62	63
Bodybuilding	9	0	0	0	9	9
Aerobics	0	0	2	0	2	2
Underwater Sports	0	0	1	0	1	1
Breaking	6	0	2	0	8	8

Sports	IC		OOC		Total	
	Urine	Blood	Urine	Blood	Urine	Blood
Boxing	94	4	191	38	285	327
Taekwondo	48	0	99	25	147	172
Karate	44	0	41	13	85	98
Shooting	78	0	197	51	275	326
Archery	18	0	67	13	85	98
Gymnastics-Artistic	60	0	158	48	218	266
Gymnastics-Rhythmic	9	0	44	21	53	74
Gymnastics-Trampoline	14	0	52	13	66	79
Modern Pentathlon	13	0	43	12	56	68
Equestrian	21	0	68	14	89	103
Fencing	73	0	129	48	202	250
Sailing	88	0	107	37	195	232
Table Tennis	45	0	95	27	140	167
Badminton	37	0	154	42	191	233
Tennis	26	0	32	11	58	69
Handball-Indoor	20	0	26	0	46	46
Skating-Short Track	28	0	211	145	239	384
Speed Skating	38	0	290	238	328	566
Alpine	29	0	67	15	96	111
Cross-Country	56	1	128	111	184	296
Freestyle	4	0	301	67	305	372
Nordic Combined	0	0	24	34	24	58
Ski Jumping	5	0	63	21	68	89
Snowboarding	14	0	221	88	235	323
Biathlon	11	0	91	104	102	206
Bobsleigh	0	0	184	66	184	250
Skeleton	0	0	87	18	87	105
Luge	0	0	73	20	73	93
Curling	6	0	107	19	113	132
Ice Hockey	8	0	200	74	208	282
Figure Skating	10	0	117	59	127	186
Equestrian	0	0	7	14	7	21
Total	3335	147	9570	3789	12905	16841

Client Service

[Client Service for Provinces]

No.	Provinces	IC		OOC		Total		
		Urine	Blood	Urine	Blood	Urine	Blood	
1	Liaoning	38	0	832	60	870	60	930
2	Jiangsu	211	0	638	0	849	0	849
3	Shaanxi	3	0	696	0	699	0	699
4	Sichuan	10	0	388	20	398	20	418
5	Guangdong	0	0	298	0	298	0	298
6	Tianjin	0	0	268	0	268	0	268
7	Hubei	18	0	243	0	261	0	261
8	Shanghai	30	0	220	0	250	0	250
9	Zhejiang	107	0	127	0	234	0	234
10	Beijing	0	0	183	0	183	0	183
11	Henan	0	0	158	0	158	0	158
12	Hebei	10	0	141	0	151	0	151
13	Shandong	14	0	137	0	151	0	151
14	Chongqing	78	0	65	0	143	0	143
15	Shanxi	21	0	78	0	99	0	99
16	Ningxia	15	0	81	0	96	0	96

[Client Service for NFs]

No.	Sports	IC		OOC		Total		
		Urine	Blood	Urine	Blood	Urine	Blood	
1	Athletics	123	0	26	0	149	0	149
2	Swimming	60	0	53	27	113	27	140
3	Diving	0	0	4	0	4	0	4
4	Cycling	0	0	221	4	221	4	225
5	Weightlifting	0	0	24	0	24	0	24
6	Wrestling	0	0	32	0	32	0	32
7	Taekwondo	0	0	42	0	42	0	42
8	Karate	0	0	30	0	30	0	30
9	Shooting	42	0	0	0	42	0	42
10	Gymnastics	0	0	6	0	6	0	6
11	Football	0	0	33	0	33	0	33
12	Sailing	0	0	24	0	24	0	24
13	Climbing	8	0	0	0	8	0	8
14	Triathlon	0	0	17	0	17	0	17
15	Equestrian	1	2	1	11	2	13	15

No.	Provinces	IC		OOC		Total		
		Urine	Blood	Urine	Blood	Urine	Blood	
17	Jilin	6	0	89	0	95	0	95
18	Hainan	0	0	85	0	85	0	85
19	Yunnan	0	0	76	0	76	0	76
20	Tibet	0	0	73	0	73	0	73
21	Guizhou	49	0	17	0	66	0	66
22	Fujian	0	0	59	0	59	0	59
23	Hunan	25	0	26	0	51	0	51
24	Jiangxi	10	0	40	0	50	0	50
25	Anhui	10	0	35	0	45	0	45
26	Guangxi	0	0	34	0	34	0	34
27	Gansu	15	0	13	0	28	0	28
28	Xinjiang	0	0	27	0	27	0	27
29	Qinghai	0	0	14	0	14	0	14
30	Heilongjiang	0	0	0	0	0	0	0
31	Inner Mongolia	0	0	0	0	0	0	0
Total		670	0	5141	80	5811	80	5891

No.	Sports	IC		OOC		Total		
		Urine	Blood	Urine	Blood	Urine	Blood	
16	Biathlon	0	0	12	12	12	12	24
17	Bobsleigh	0	0	39	37	39	37	76
18	Curling	0	0	31	0	31	0	31
19	Ice Hockey	0	0	57	55	57	55	112
20	Speed Skating	29	0	145	39	174	39	213
21	Skating-Short Track	0	0	37	1	37	1	38
22	Figure Skating	0	0	15	4	15	4	19
23	Alpine	0	0	22	12	22	12	34
24	Cross-Country	0	0	12	0	12	0	12
25	Freestyle	0	0	62	0	62	0	62
26	Nordic Combined	0	0	9	0	9	0	9
27	Ski Jumping	0	0	9	1	9	1	10
28	Snowboarding	8	0	62	12	62	12	74
29	Locomotive Sports Association of China	0	0	6	0	6	0	6
Total		263	2	1031	215	1294	217	1511

10 Analysis

Total Analysis

	Urine	Blood	Total
Beijing Lab	14474	3945	18419
Overseas Lab	7507	394	7901
Total	21981	4339	26320

Analysis of CHINADA domestic samples in 2021

No.	Laboratory	Samples
1	National Anti-Doping Laboratory Beijing Sport University (BSU), Beijing, China	18414
2	Seibersdorf Labor GmbH Doping Control Laboratory, Austria	2412
3	Catalonian Antidoping Laboratory – Fundació Institut Hospital del Mar d'Investigacions Mèdiques, Spain	2409
4	DoCoLab Universiteit Gent-UGent, Belgium	1326
5	Laboratoire AntiDopage Français, France	745
Total		25306

Samples of Chinese Athletes Analyzed in Overseas Laboratories

No.	Laboratory	Samples
1	Institute of Doping Analysis and Sports Biochemistry (IDAS)-Dresden, Germany	444
2	Institute of Biochemistry - German Sport University Cologne, Germany	283
3	Seibersdorf Labor GmbH Doping Control Laboratory, Austria	104
4	The Sports Medicine Research and Testing Laboratory (SMRTL), Salt Lake City, USA	70
5	INRS Centre Armand-Frappier Santé Biotechnologie, Montreal, Canada	36
6	Laboratoire Suisse d'Analyse du Dopage, Switzerland	23
7	Anti-Doping Laboratory LSI Medience Corporation, Tokyo, Japan	21
8	Norwegian Doping Control Laboratory, Norway	18
9	Doping Control Laboratory Karolinska University Hospital, Stockholm, Sweden	6
10	National Anti-Doping Laboratory Beijing Sport University (BSU), Beijing, China	5
11	Madrid Anti-Doping Laboratory, Spain	2
12	Catalonian Antidoping Laboratory – Fundació Institut Hospital del Mar d'Investigacions Mèdiques, Spain	2
Total		1014

Laboratory Independence

In accordance with the relevant requirements of the *International Standard for Laboratories* established by WADA regarding laboratory independence and upon consultation between CHINADA and Beijing Sport University(BSU),the National Anti-Doping Laboratory (Beijing) was separated from CHINADA and officially transferred to BSU in December 15, 2021.



11 Result Management

AAFs

Year	Domestic Doping Tests	AAFs	AAF Rate
2021	26320	63	0.24%
2020	14067	23	0.16%
2019	20194	47	0.23%
2018	19469	116	0.60%
2017	17338	140	0.81%

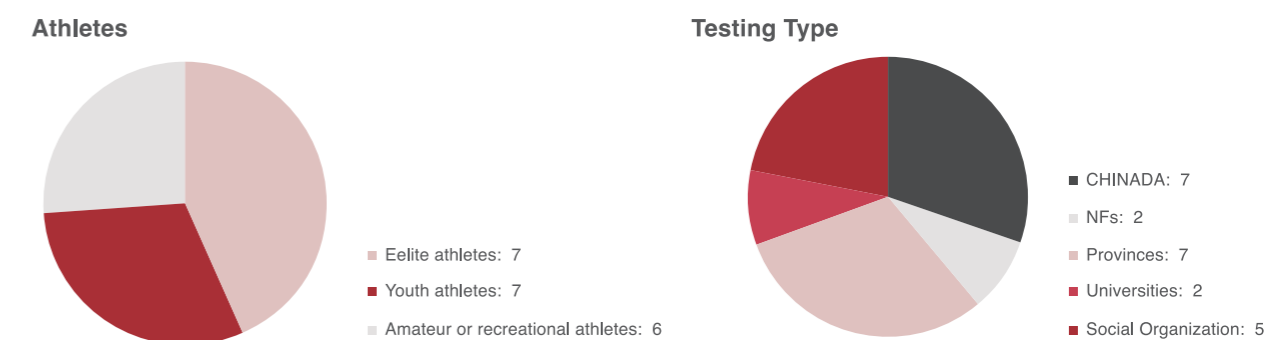
Note: In 2021, AAFs included 29 cases of food contamination, 8 cases of medication used through the permitted way, 1 case of TUE, and 2 cases of low concentration diuretics not being treated as ADRV. Therefore, 23 AAFs were actually determined as ADRVs.

ADRVs

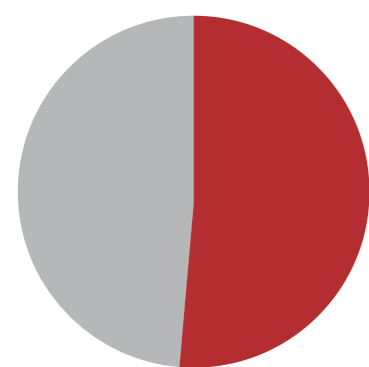
Type	Case	Person
AAFs	23	20
Others	8	8

Note: The AAFs included a case of horse.

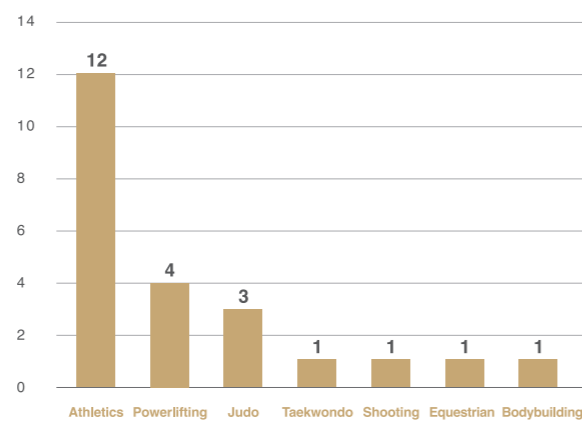
ADRV of AAFs Distribution in 2021



IC/OOC Tests



Sports



AAF Reason

Type	Substance	Case
S1. Anabolic agents	Steroid	9
	Clenbuterol	1
S4. Hormone and metabolic modulators	Letrozole	1
	Tamoxifen	1
S5. Diuretics	Hydrochlorothiazide	2
	Furosemide	4
S6. Stimulants	5-Methylhexan-2-amine (1,4-dimethylpentylamine)	3
M1. Manipulation of Blood and Blood ComponentsO		2

Note: 1 AAF involved 2 types of prohibited substances.

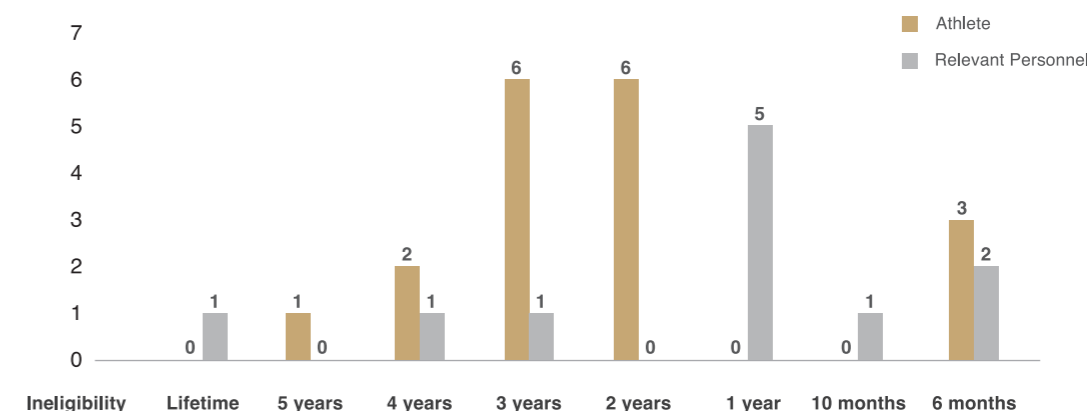
AAF Reason

Reason	Type	Case
Intentional Use	Anabolic Agents	10
	Diuretics	4
	Blood Reintroduction	2
Unintentional Use	Therapeutic Medication	2
	Supplement	3
Unknown Reasons	--	2

ADRVs other than AAFs

In 2021, **8** cases of other violations found by testing and investigation, including **1** case of evading sample collection, **6** cases of doping (manipulation of blood and blood composition through blood reintroduction) and **1** case of organizing doping.

ADRV Sanctions



ATFs of Clenbuterol

In 2021, there were **7** ATFs of clenbuterol, involving **7** sport events including basketball, Basketball 3v3, Canoe Sprint, gymnastics, cycling, swimming and table tennis, all proved to be meat product contamination.

Note: In May 30, 2019, WADA issued Stakeholder Notice regarding meat contamination, stating that laboratories shall report ATFs for concentrations of clenbuterol below 5ng/mL, requesting ADOs to organize and conduct investigation, to determine whether it is caused by meat contamination. If so, ADOs shall not assert an ADRV. Laboratories shall report AAFs for concentrations of clenbuterol equal to or above 5ng/mL. An ADRV will be asserted and the usual results management process will proceed.

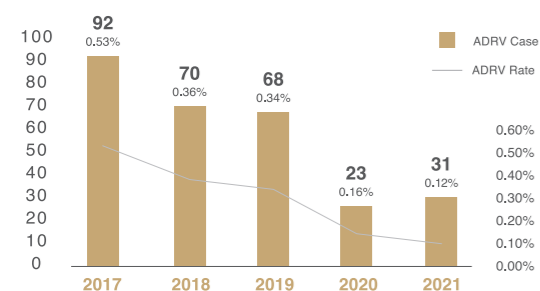
Whereabouts

CHINADA investigated **61** cases in which athletes failed to take doping tests in time. **30** cases were determined whereabouts failure (including 4 cases by IFs) and all athletes were given the first warning.

Note: any RTP athlete who has 3 whereabouts failures in 12 consecutive months will constitute ADRV.

Analysis of ADRVs

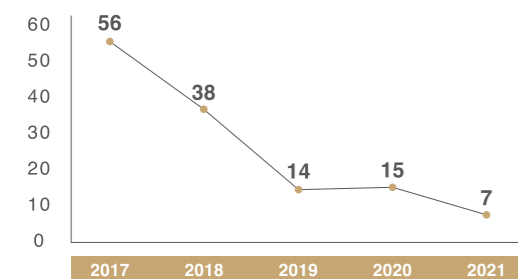
The number and proportion of ADRV showed an overall downward trend.



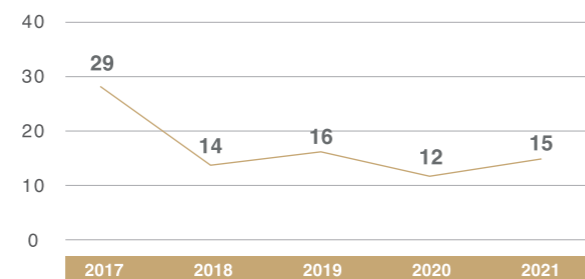
Intentional use still accounts for a high proportion in ADRV cases.

Type	Steroid	EPO	Furosemide	Blood Reintroduction	Total	Ratio to ADRV by AAF
2021	10	0	4	2	16	70%
2020	10	5	1	0	16	70%
2019	18	6	1	0	25	57%
2018	27	7	5	0	39	59%
2017	28	22	7	0	57	68%

The case of clenbuterol problems in meat products has decreased, but the risk still exists.



There were many doping cases in school sports, bodybuilding and fitness, and marathon.



Hearings

Affected by the epidemic, the Hearing Committee explored new ways to hold hearings, and adopting online hearings 8 person-time. There were 2 person-time when hearing committee basically or partially accepted the athletes' explanation, and 6 person-time didn't accept.

ABP

362 abnormal ABP data were evaluated; including 35 of blood biological passport and 327 of steroid biological passport. 224 samples were requested for further analyze by laboratories.

12 Intelligence and Investigation

35 clues

35 tip-off clues were received in 2021

4 AAFs were found accordingly. In the investigation of related ADRV cases, 6 athletes were investigated and dealt with.

4206 coaches

4413 coaches' information were collected and recorded

In order to further improve the data of the Coach Information Collection System, CHINADA input and updated the information of coaches in 31 provinces, 29 NFs and 2 industrial sports associations.

2 cases

The court imposed criminal sanctions on 2 doping cases

Since criminalization of doping, CHINADA has increased cooperation with the public security organs. After investigation by the public security organs, the court has imposed criminal sanctions on 2 cases related to doping, including 1 crime of illegal business operation and 1 crime of producing and selling toxic and harmful food.

5 cases

5 cases are under investigation



The procuratorial authority and CHINADA held a seminar on illegal business cases related to doping.

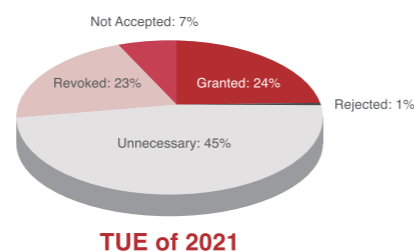
CHINADA strengthened communication and cooperation with the Narcotics Control Bureau of the Ministry of Public Security.

13 Therapeutic Use Exemptions

Data on TUE

135 TUE applications

The TUE Committee received **135** applications, of which **33** were submitted to the experts for approval. After review, **32** applications were granted and **1** rejected by written decision. There were **61** cases unnecessary to apply for TUE and **31** were revoked, and **10** cases were not accepted because they did not fall within the scope of acceptance of TUE Committee and did not meet the conditions.



Athletes Medication Query System

119908 queries

By December 31, 2021, a total of **57,838** people logged in the system, and made **119,908** queries. A total of **3008** feedback comments were received. **310** satisfaction evaluations were submitted.

According to the 2022 Prohibited List, the system data was updated on December 31, 2021, with **9** new ingredients, **33** updated ingredients and **169** updated medications.

The system includes a total of **2650** medications (**2045** permitted, **605** prohibited) and **1605** chemical components (**1155** permitted, **450** prohibited), basically covering medications commonly used by athletes.



Expert Review of Medications

95 kinds

An expert group was set up to review the prohibit status of medications and related components. The group completed the review of **57** kinds of medications of the Chinese sport delegation for the Tokyo Olympic Games, and **38** medications of the sport Chinese delegation for the Beijing Winter Olympics.

Data on TUE

Type	Substance	Sport (Person / Time)		
S2. Peptide hormones, growth factors, related substances, and mimetics	Fibroblast Growth Factors	Volleyball (1)		
S3. β_2 agonists	Salbutamol	Ice Hockey (2)		
		Weightlifting (1)		
		Tennis (1)		
		Shooting (1)		
		Boxing (1)		
		S4. Hormone and metabolic modulators	Insulins	Curling (2)
				Table Tennis (2)
				Para Judo (1)
				Para Shooting (1)
				Para Fencing (1)
S5. Diuretics and masking agents	Mannitol	Weightlifting (1)		
		Badminton (1)		
		Skiing (5)		
		Athletics (1)		
		Para Shooting (1)		
		Para Skiing (1)		
	Hydroxyethyl Starch	Basketball (1)		
S6. Stimulants	Selegiline	Para able Tennis (1)		
S9. Glucocorticoids	Prednisone	Diving (2)		
		Para Rowing (1)		
		Para Athletics (1)		
		Methylprednisolone	Free Combat (1)	
			Para Shooting (1)	

14 Analysis on Meat and Nutritional Supplements

Analysis on Meat in 2021

3267 samples

Samples from	Amount	Positive Samples	Positive Rate
National Training Bases	1429	19	1.3%
Provincial Units	1838	15	0.8%
Total	3267	34	1.0%

Analysis on Supplements in 2021

378 samples

Samples from	Amount	Positive Samples	Positive Rate
China Sport Science Society	127		
Other Social Service Samples	251	18	4.8%
Total	378		

Assist in Investigation

505 samples

The Food and Drug Analysis Department actively cooperated with other department in the investigation of doping problems, analyzed **1** meat sample, **16** investigated supplements and **505** confiscate samples, and analyzed **2** urgent samples during the 14th National Games, provided strong scientific basis for case analysis and investigation.

15 Scientific Research

Papers and Conference Reports

Title	Author	Journal
Research on the Construction of Anti-Doping Governance System ---Chinese Model	Chen Zhiyu	China Sport Science, 11 (2021)
Application of DBS Sample Collect Equipment and Methods in Doping Control	Wen Hongtao, Gao Jiuxiang, Wang Xinzhai, Yu Liang	China Sport Science, 11 (2021)
Determination of Testosterone Esters in human by LC-High Resolution Ion Trap Orbitrap MS	Yang Sheng, Yan Kuan, He Genye, Wen Chao	China Sport Science, 11 (2021)
Identification and Characterization of the Human Urinary Metabolites of Trimetazidine Using Liquid Chromatography High Resolution Mass Spectrometry, An Anti-Doping Perspective	Yuan Yuling, Zhao Xuxiao, Wei Huan, Fei Qiaoling, Xu Youxuan, Lu Jianghai	Microchemical Journal, Volume 171, 2021,106872
Establishment and Implementation of High Resolution Mass Spectrometry Method for the Detection of Foodborne Doping in Meat for Athletes	Zhao Xuxiao, Lu Jianghai, Xu Youxuan, Wang Xiaobing, Yuan Yuling, Zhang Zhizhou, Dong Chunbo, Fei Qiaoling, Wei Huan	12 th National Sports Science Conference, Wall Paper

Research Projects

Title	Project Leader	Resource	Partner
Doping Control Guide for Major Events	Wang Ru	CHINADA	Sichuan Anti-Doping Agency

The 9th Science and Technology Award of China Sports Science Society

3 awards

CHINADA recommended **7** project for the 9th Science and Technology Award of China Sports Science Society, and **3** of them won the **3rd** prize. The winning projects are as follows:

Project	Main Personnel
Study on the MS Detection Method of WADA Prohibited Polypeptide Substances	Shen Li, He Chunji, Chang Wei, Zhang Lisi, Yan Kuan, Wang Zhanliang
Detection of Doping in Urine by LC-MS -- High Throughput Primary Screening Method and Specific Confirmatory Method	Wang Zhanliang, Yan Kuan, He Genye, Chang Wei, Liu Yunxi, Zhang Yufeng
Distinguish between Medicated and Foodborne Clenbuterol by Detection Analysis Method of Doping	He Genye, Zhang Jianli, Lu Jianghai, Xu Youxuan, Wu Yun

Anti-Doping Research

6 issues

CHINADA completed the compilation and printing of 6 issues of *Anti-doping Research* throughout the year, by selecting timely and instructive articles and expanding sources, constantly improved the quality of the journal, and made it a carrier and medium for anti-doping academic discussion and information exchange.



16 Quality System

CHINADA passed the internal audit of the quality management system, and passed the external audit of BSI Beijing Company. The audit group concluded that CHINADA's management system included organizational environment, related parties demand, risk identification and control, knowledge management and other elements, fully recognized the anti-doping activities related process and control requirements with clear process and organization structure, met the standard and the requirements of the criteria listed in the audit report, and achieved expected effect continuously.

17 International Communication and Cooperation

On-site

3 visits 3 person-time

Online

26 meetings 50 person-time

Completed 3 on-site visits of 3 person-time to participate in the anti-doping work of the Tokyo Olympic and Paralympic Games. Completed 26 online meetings of 50 person-time, including multilateral work meetings, bilateral exchange meetings and meetings on the performance of international organizations. Renewed bilateral cooperation agreements with DPRKADC and ADNO, and signed memorandums of cooperation with the JADA and KADA.



2021.01
Renew the CHINADA-ADNO Anti-Doping Cooperation Agreement



2021.04
WADA TUE Seminar



2021.06
3 NADO Initiative: 2021 Kick-Off Meeting



2021.09
Signed the trilateral anti-doping cooperation agreement among CHINADA, JADA and KADA



2021.10
WADA: Asian Region Virtual Exchange of Views



2021.12
EAOC Medical Committee Meeting

18 COVID-19 Countermeasures

Due to repeated outbreaks at home and abroad, the complicated epidemic prevention and control situation greatly affected the preparations for the Tokyo Olympic Games and Beijing Winter Olympic Games.

“Zero transmission and zero infection” of Covid-19 was achieved throughout the whole year’s doping control program.

In 2021, CHINADA dispatched DCOs

1879 batches **5352** person-time



2021.11.12—11.15
Arshan, Inner Mongolia



Adhering to the principle of "epidemic prevention first", CHINADA strictly abode by local epidemic prevention policies, actively communicated and coordinated with various training bases to ensure that DCOs can enter and exit freely.



Selected DCOs were stationed in training bases and support camps for a long time to ensure the smooth implementation of the final screening mission.



Coordinate and mobilize the national doping control resources and assigned excellent local DCOs as needed.



Circuit breaker mechanism was adopted to adjust test plans at any time according to the situation of the epidemic.



Actively commissioned overseas test agencies to monitor and test athletes preparing for the Tokyo Olympics and Beijing Winter Olympics, so as to properly respond to emergencies brought about by the epidemic and ensure that there are no blind spots or omissions in the preparations for the Games.