



独立 公正 专业 权威

Fairplay

Honesty

Respect

Courage

Health

Ethics

Rules

WIN CLEAN  
MEDALS

# 2019 CHINADA | ANNUAL REPORT

China Anti-Doping Agency

President Xi Jinping ,  
“ We should win  
moral, noble and  
clean medals. ”



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Win Olympic  
Spirit Medals



Win Legally  
Compliant  
Medals



Win Clean  
Medals



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, making sure athletes and people related would “dare not, cannot and wish not” to dope, by boosting efficient anti-doping program with high quality



Goal

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

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## 01 Foreword



**Chen Zhiyu**

Executive Director  
General, CHINADA



2019 witnessed the in-depth development of CHINADA. Under the strong leadership of the leading Party group of the General Administration of Sport, CHINADA deeply studied and implemented the spirit of the 19th CPC National Congress, and the 2nd, 3rd and 4th Plenary Sessions of the 19th CPC Central Committee. Guided by the spirit of President Xi Jinping's important discourses and instructions on the sports and anti-doping work, and aimed at meeting President Xi's requirement to win "moral, noble and clean medals", we in accordance with the general requirements put forward by the leading Party group of the General Administration of Sport, further build consensus, set a clear goal, unite as one, strengthen the reform and innovation, consolidate our achievements and make progress for further development. Relying on steady implementation, we continue to comprehensively promote the anti-doping program, build a national anti-doping governance system and enhance our anti-doping competence to continuously modernize our anti-doping capabilities so as to achieve the long-term goal of ensuring athletes "dare not, cannot and wish not" to dope.

In 2019, CHINADA actively implemented the Anti-Doping Strategic Plan (2018-2022). With concerted efforts, we accomplished all the tasks for 2019 nicely according to the established steps and the schedule. To prepare for the Tokyo Olympic Games and Beijing Winter Olympic Games, we gradually built a national doping risk prevention and control mechanism and fully enhanced the establishment of a provincial anti-doping organization system, achieving positive results in the construction of a "Vertical and Horizontal Cross" anti-doping management system. We successfully completed the anti-doping activities in the 2nd National Youth Games in Shanxi, the 7th CISM Military World Games in 2019, 2019 FIBA Basketball World Cup and the 10th National Games for Persons with Disabilities, and for the first time, we successfully implemented the independent observer program. We comprehensively promoted "all-embracing, full-cycle, normalized and institutionalized" anti-doping education based on the

values of "winning clean medals", making a new breakthrough and headway in the acceleration of institutional construction and the establishment of an anti-doping education and prevention system. We strengthened intelligence orientation and used technical forces to improve the pertinence and effectiveness of doping control, further perfecting the impartial, professional and authoritative testing and sanction system, and promoting the implementation of projects including a smart anti-doping platform based on the big data and artificial intelligence and Dried Blood Spot testing. We successfully completed the routine doping analysis and gradually promoted the R&D of new technologies, making a technical preparation for doping tests at the Beijing Winter Olympic Games. We investigated and treated violation cases seriously and fairly, and strengthened the efforts to hold violators accountable so as to promote the construction of an anti-doping trustworthiness system for athletes and support personnel. We made substantive progress in implementing doping punishment according to the criminal law, further perfecting the anti-doping law system. We strengthened the analysis and monitoring of food and supplements to prevent misuse. We strengthened international communication and cooperation, successfully organized the First Session of CHINADA International Anti-Doping Symposium, took an active part in international affairs, and established a new, friendly anti-doping diplomacy system to enhance international influence. We started developing and establishing a scientific theoretical anti-doping system as a guarantee for "winning clean medals".

In 2020, CHINADA will further implement Anti-Doping Strategic Plan (2018-2022) and continue to established a new, friendly international communication and cooperation system to ensure Chinese athletes "win clean medals". Especially, we will do a good job in anti-doping program for the two

Olympic Games, advance and guide the construction of a doping risk prevention and control system for the national teams, and strengthen the construction of the provincial anti-doping organization system. We will do a good job in monitoring of the athletes to participate in major events to be held in 2020, such as the 14th National Winter Games and the 6th Asian Beach Games, as well as 2020 Winter Youth Olympics. We'll also do the preparatory work for doping control at the 2021 Shaanxi National Games and the 2022 Hangzhou Asian Games. We'll strengthen the research on the 2021 World Anti-Doping Code and International Standards, and set about revising the General rules for Doping Control in Sports and relevant normative and institutional documents. We'll focus on the R&D of detecting technologies, strengthen exchanges with and learning from WADA, overseas laboratories and experts, to make a technical preparation for Beijing 2022. We'll strengthen the scientific research to complete the development and establishment of the smart anti-doping platform, and carry out the pilot work on Dried Blood Spot testing. We'll make sustained efforts in the cooperation with WADA, ITA and other international organizations, deepen the cooperation with Norway, Japan and South Korea, and actively shoulder the responsibility as a great power to help the anti-doping agencies in North Korea, Zimbabwe, South Asia and Mongolia to do the anti-doping work. We'll also promote officers in international organizations to positively perform their duties and get fully involved in international affairs so as to enhance China's international influence.

陈子瑜



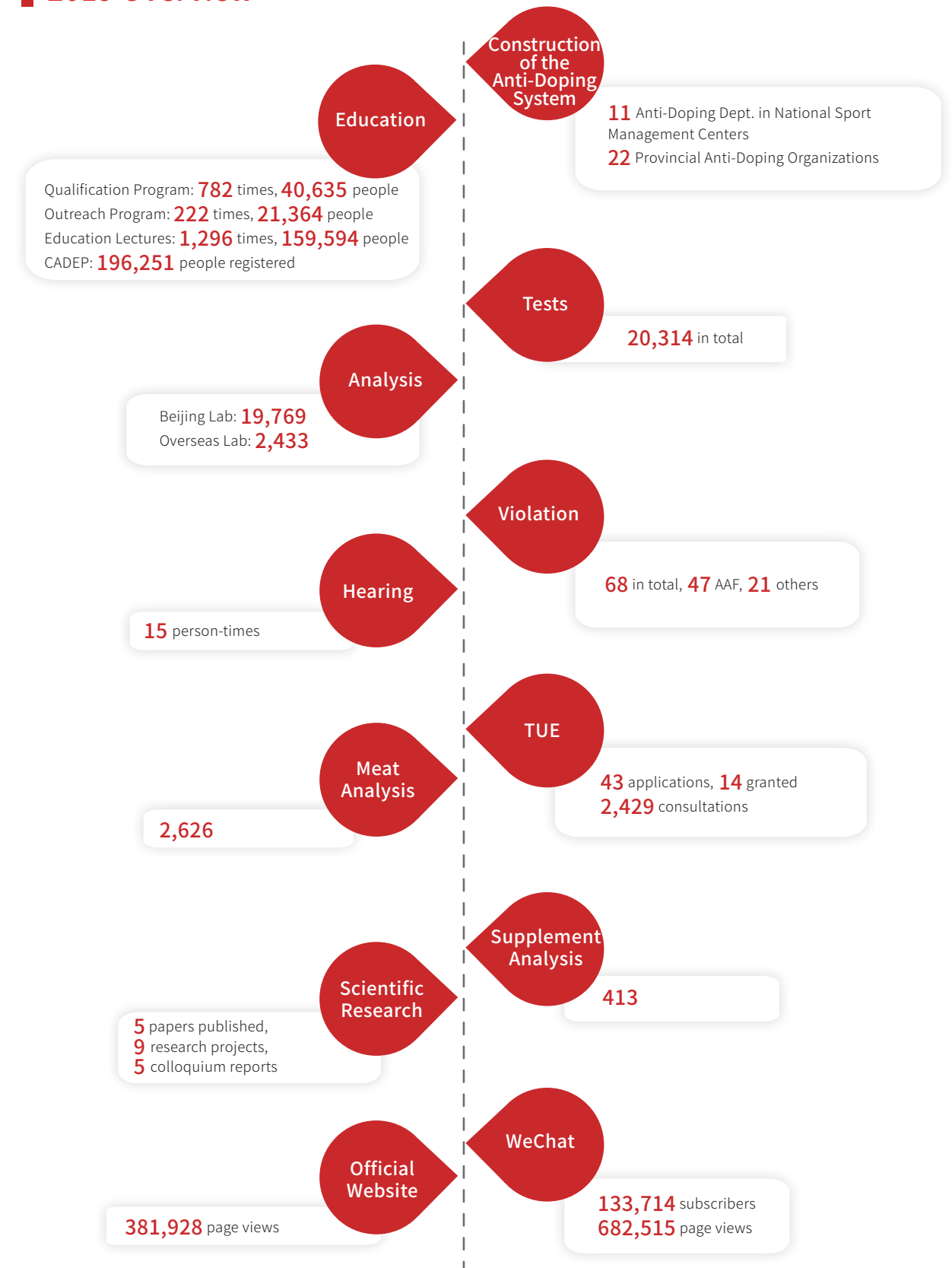
## 02 Overview



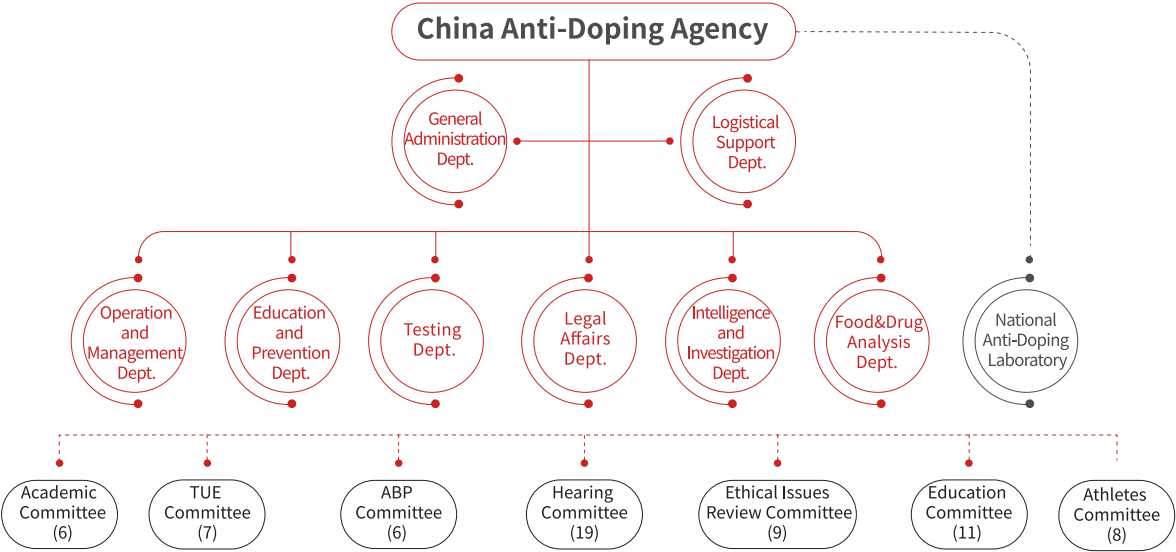
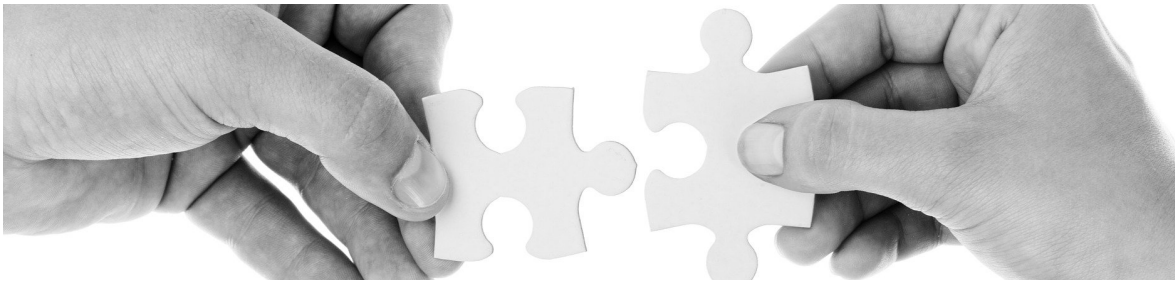
### “Win Clean Medals” Long-term Anti-Doping Governance System



## 2019 Overview



03 Team CHINADA



· 19 staff were employed in 2019, with a total of 80

Administration Coordination ☎ 010-84376283 ✉ contact@chinada.cn	Anti-Doping Coordination ☎ 010-64984040 ✉ ygc@chinada.cn	Education ☎ 010-84376806 ✉ edu@chinada.cn
Paid Tests ☎ 010-84376286 ✉ jianchachu@chinada.cn	Whereabouts ☎ 010-64953956 ✉ whereabouts@chinada.cn	Results Management ☎ 010-84376382 ✉ rm@chinada.cn
Tip-off ☎ 010-84376231 ✉ jubao@chinada.cn	TUE ☎ 010-84376808 ✉ tue@chinada.cn	Analysis on Food, Drugs and Supplements ☎ 010-64912132 ✉ —

Doping Control Officer Team in 2019

No.	Location/ Institution	DCO Number	No.	Location/ Institution	DCO Number
1	CHINADA	323	15	Qinghai	17
2	Liaoning	61	16	Guangdong	15
3	Hubei	45	17	Shanghai	15
4	Zhejiang	43	18	Heilongjiang	13
5	Beijing	40	19	Henan	12
6	Shandong	36	20	Ningxia	12
7	Liberation Army	34	21	Macao	10
8	Inner Mongolia	33	22	Hebei	8
9	Guizhou	25	23	Shanxi	7
10	Tianjin	23	24	Jilin	6
11	Jiangsu	23	25	Yunnan	6
12	Jiangxi	21	26	Sichuan	4
13	Shaanxi	20	27	Anhui	3
14	Guangxi	18	28	Gansu	3
			Total		876

Clean Sport Education Officer Team in 2019

National officers: 139. Provincial/National federation (NF) officers: 1,599

No.	Province/NF	Officer Number	No.	Province/NF	Officer Number
1	Beijing	32	15	Henan	63
2	Tianjin	45	16	Hubei	98
3	Hebei	77	17	Hunan	74
4	Shanxi	64	18	Guangdong	78
5	Liaoning	84	19	Guangxi	32
6	Jilin	83	20	Hainan	23
7	Heilongjiang	44	21	Chongqing	39
8	Shanghai	44	22	Sichuan	84
9	Jiangsu	63	23	Guizhou	50
10	Zhejiang	73	24	Yunnan	65
11	Anhui	64	25	Shaanxi	48
12	Fujian	66	26	CDPF	37
13	Jiangxi	50	27	Others	42
14	Shandong	77	Total		1599



DCO Team



Clean Sport Education Officer Team

## 04 Legal Construction



### The Announcement of Judicial Interpretations on the Application of Criminal Law in Handling Cases Related to Doping

The Supreme People's Court of China issued "The Interpretation on Several Issues Concerning the Application of Law in the Trial of Criminal Cases of Smuggling, Illegal Business and Illegal Use of Doping" (the Judicial Interpretation) on November 18th, 2019, which has taken effect on January 1st, 2020.

#### The Judicial Interpretation helps to:

- Protect public health and curb doping at the source
- Compensate for the limitations of existing anti-doping rules and enhance the effect of sanction dramatically
- Summarize the experience and trend of international anti-doping fight
- Crack down on the illegal subjects behind the athletes

#### Main Content

- There are **9** articles in the Judicial Interpretation, which mainly aim to tackle down on smuggling, illegal business and illegal use of prohibited substances. The articles are about:
- Strengthening source management and cutting off the illegal circulation network (**2** articles)
  - Expanding the scope and preventing the spread of doping (**3** articles)
  - Consolidating supervisory responsibilities and strengthening primary responsibility (**1** article)
  - Other regulations (**3** articles)



## 05 Operation and Management

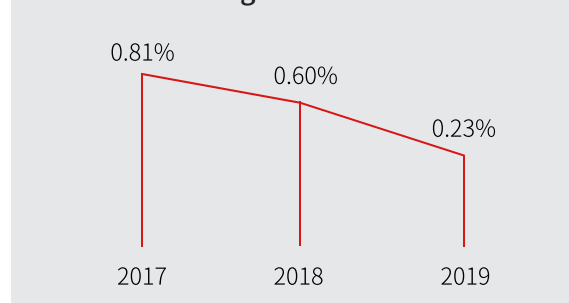


### Anti-Doping Governance System and Its Modernization

CHINADA studied and implemented the spirit of the Fourth Plenary Session of the 19th Central Committee of the Party and President Xi Jinping's instructions on anti-doping program. Under the strong leadership of the leading Party group of the General Administration of Sport of China, CHINADA consistently **promotes anti-doping governance system and its modernization**, improving the capacity of anti-doping program.

As a result, the number of AAFs has **declined gradually** from 2017 to 2019, which **confirms the effectiveness of anti-doping governance system**.

AAF rate changes from 2017 to 2019



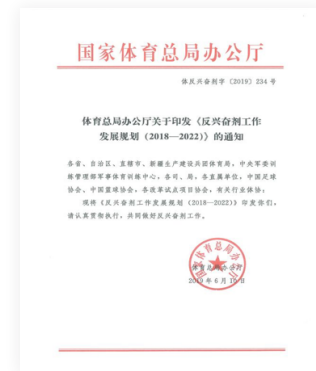
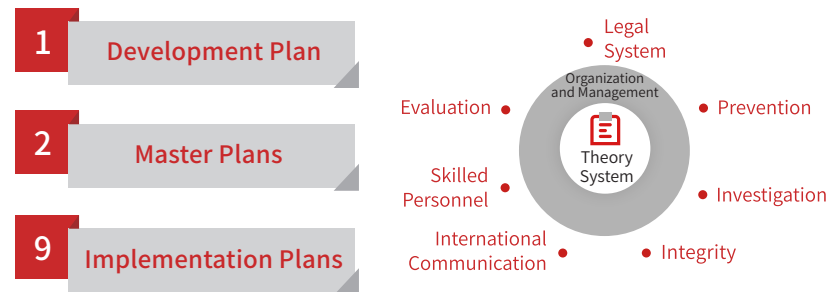
CHINADA launched the first issue of the series report of 2020 National Sports Directors' Meeting with China Sports Daily on December 16th, 2019, which focused on the construction of a **"Vertical and Horizontal Cross Anti-Doping Management System"**, and launched it on the APP "Learning Power".





## “1·2·9” Plan

The Anti-Doping Strategic Plan (2018-2022), which aims to realize anti-doping goals, is a specific guide for establishing a long-term anti-doping governance system. It's also a five-year blueprint for improving the anti-doping governance system and realizing its modernization.



## Anti-Doping Program in Preparation for Tokyo 2020 and Beijing 2022



**Objective:** To ensure that Chinese athletes “win clean medals” in Tokyo 2020 and Beijing 2022, and to achieve “zero occurrence” of doping.

**Measures:** Building a whole-scale, whole-chain and whole-circle risk prevention and control system for national teams through theory, regulation, education, test and sanction, prevention of prohibited substances in food, drugs and supplements, supervision and evaluation to pursue “clean national teams”.

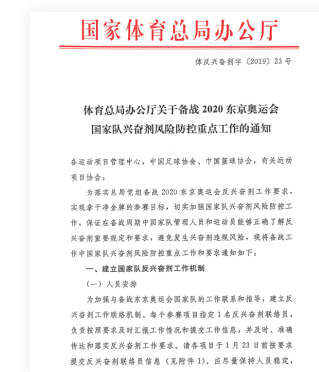


## Implementation:

1. Formulating the Anti-Doping Plan for Tokyo 2020



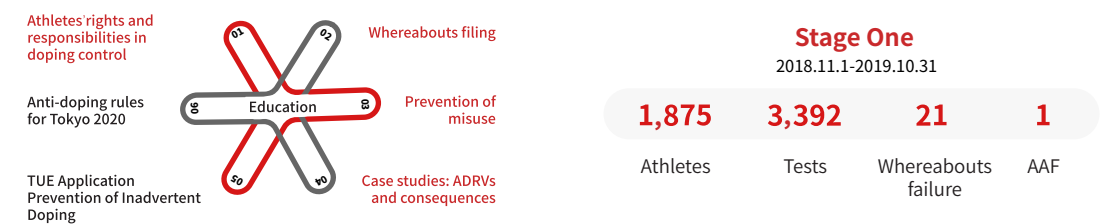
2. Issuing notices of anti-doping risk prevention and control regularly



3. Establishing weekly meeting system to prepare for Tokyo 2020 and files for national teams to achieve anti-doping governance

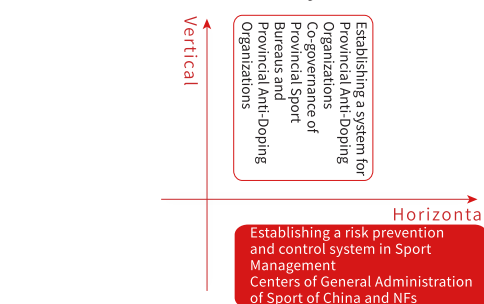
4. Hosting anti-doping training courses for national teams (6 sessions in total, 4 sessions in 2019).

5. Completing the first stage of doping control program for Chinese athletes in preparation for Tokyo 2020, and launching the second stage on November 1st, 2019.

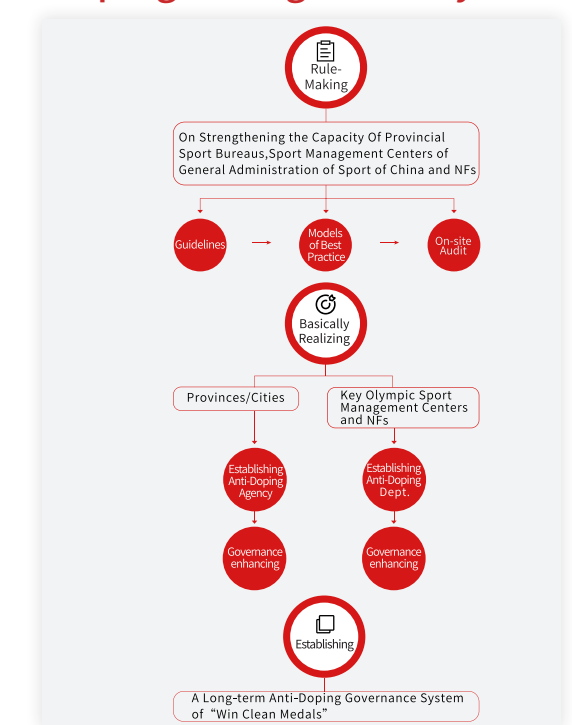
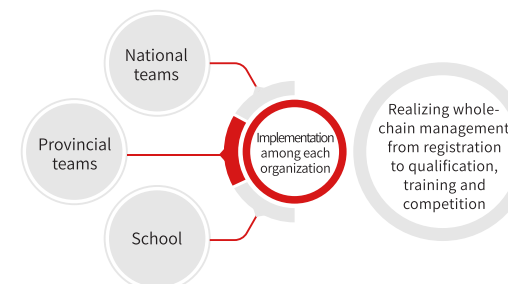


## Vertical and Horizontal Cross Anti-Doping Management System

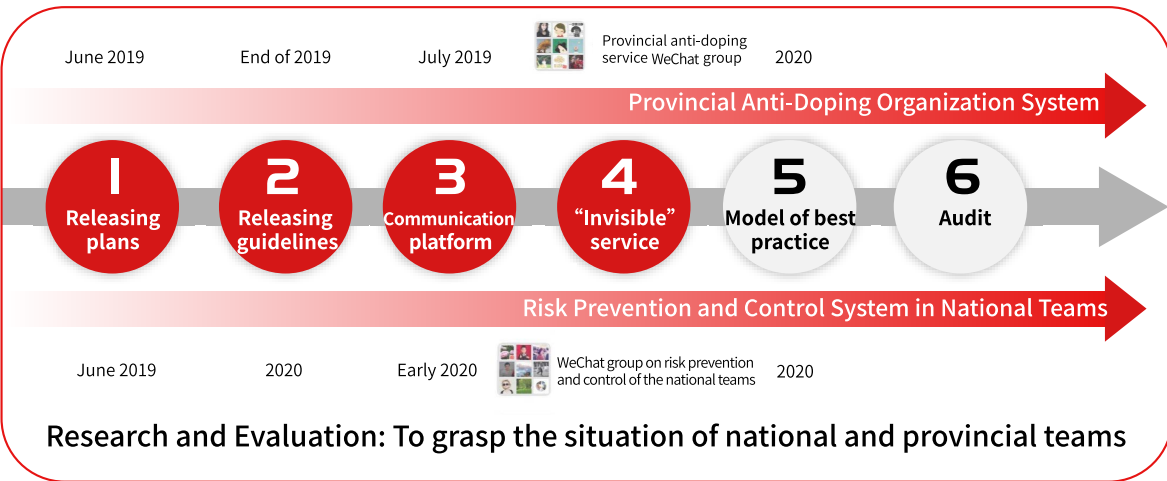
**Goal:**  
Vertical and Horizontal System



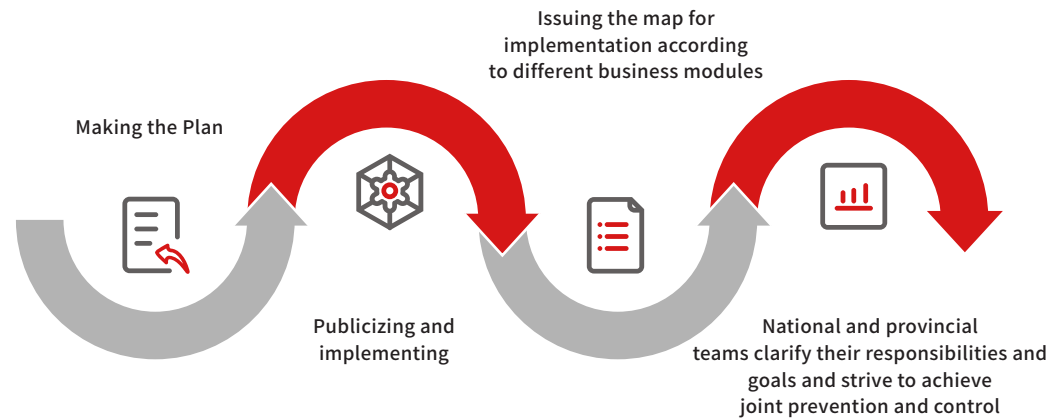
Fully Interactive System



**Measures:** Finding risks and challenges through investigation of **30** national teams and **11** provinces and cities, and proposing a “six-step” strategy accordingly



**1 Step 1: Releasing the Plan**



**2 Step 2: Releasing Guidelines**



**3 Step 3: Communication Platform**

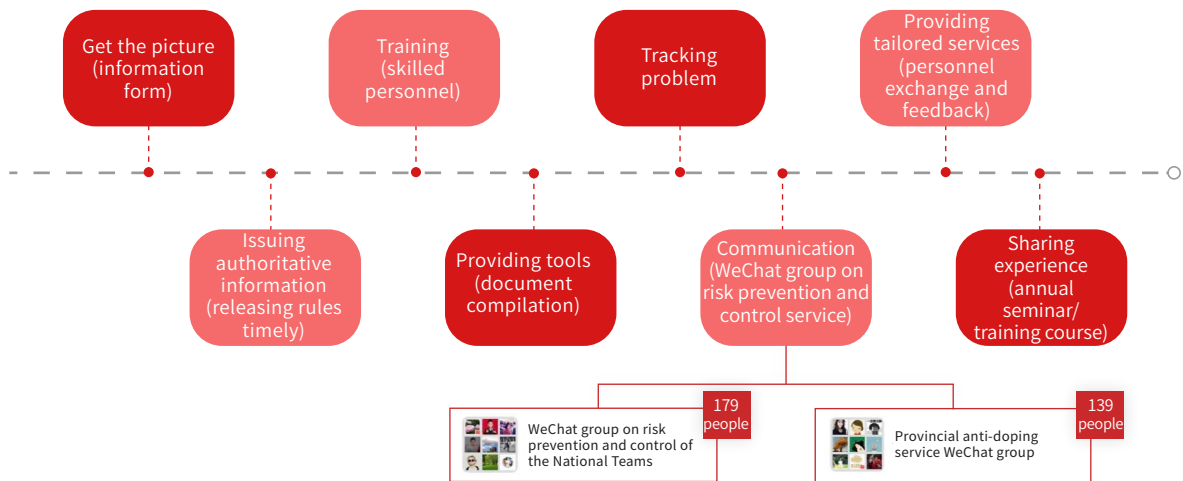


The first China provincial seminar on anti-doping was successfully held in Liaoning from July 22nd to 23rd, 2019



CHINADA held a training course on the development of the national doping risk prevention and control system in Tianjin from January 14th to 15th, 2020

**4 Step 4: “Invisible” Service**



**Effectiveness:**

**11 Anti-Doping Dept. in National Sport Management Centers**

No.	National Sport Management Center	Institution	No.	National Sport Management Center	Institution
1	Weightlifting, Wrestling and Judo Management Center of General Administration of Sport of China	Anti-Doping Dept.	7	Table Tennis and Badminton Management Center of General Administration of Sport of China	Department of Anti-Doping Education Regulation
2	Swimming Management Center of General Administration of Sport of China	Anti-Doping Office	8	Chinese Athletics Association	Anti-Doping Office
3	Aquatics Management Center of General Administration of Sport of China	Anti-Doping and Training Support Dept.	9	Chinese Cycling Association	Anti-Doping Dept.
4	Winter Sport Management Center of General Administration of Sport of China	Anti-Doping Dept.	10	China Rowing Association	Anti-Doping Office
5	Cycling and Fencing Management Center of General Administration of Sport of China	Anti-Doping Office	11	China Canoe Association	Anti-Doping Office
6	Boxing and Taekwondo Management Center of General Administration of Sport of China	Anti-Doping Supervision Dept.			

**22 Provincial Anti-Doping Organizations**



No.	Province	No.	Province
1	Beijing	12	Shandong
2	Tianjin	13	Sichuan
3	Hebei	14	Yunnan
4	Inner Mongolia	15	Shaanxi
5	Liaoning	16	Qinghai
6	Heilongjiang	17	Shanxi
7	Shanghai	18	Hubei
8	Jiangsu	19	Ningxia
9	Zhejiang	20	Tibet
10	Anhui	21	Guizhou
11	Fujian	22	Chongqing



## Doping Control Activities in Major Events

CHINADA conducted effective anti-doping activities during several major events such as the 10th National Games for Persons with Disabilities, the 2nd National Youth Games in Shanxi, 2019 FIBA Basketball World Cup and the 7th CISM Military World Games in 2019.



Number of Testing in Major Events

No.	Event	Number	Urine	Blood	Officer number
1	The 2nd National Youth Games, Shanxi, 2019	1316	1255	61	86
2	The 10th National Games for Persons with Disabilities, Tianjin, 2019	376	339	37	69
3	2019 FIBA Basketball World Cup	236	172	64	40
4	7th CISM Military World Games	651	628	23	86
	Total	2579	2394	185	281

Number of Participants in Anti-Doping Education in Major Events

No.	Event	Qualification	Outreach
1	The 2nd National Youth Games, Shanxi, 2019	42334	5726
2	The 10th National Games for Persons with Disabilities, Tianjin, 2019		3762
3	7th CISM Military World Games	585	8338
	Total	42919	17826

## Independent Observer Program

The independent observer program was the first **internal supervision** which improved the transparency and credibility of the anti-doping program of major events in China, and helped strengthen the confidence of athletes and the public.

It's the first independent observer program carried out by a NADO. It's a significant innovation of "Chinese Model" in anti-doping activities in major events. The Independent Observer Report on the 2nd National Youth Games has been issued.

### Observer team:



## Progress in Technology and Major Programs

### 1. China's Smart Anti-Doping Platform Based on Artificial Intelligence

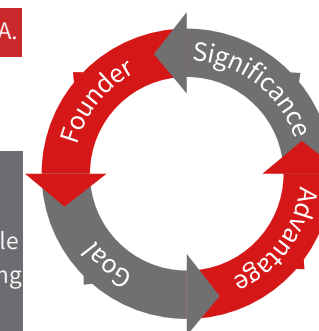
CHINADA actively developed the smart anti-doping platform based on artificial intelligence, promoting anti-doping program with the assistance of science and technology. Through automated doping control chain, intelligent data analysis and targeted anti-doping activities, the platform will escort the 2022 Beijing Winter Olympics to achieve the goal of "holding a Winter Olympics that's as pure as snow and ice".



### 2. Dried Blood Spot Project (DBS Project)

WADA, IOC, ITA, CHINADA and USADA.

The objective of the Project is to develop DBS testing for routine implementation as soon as possible and no later than at the 2022 Beijing Olympic and Paralympic Winter Games. Additionally, aspects of DBS testing and analysis are to be considered for the 2020 Tokyo Olympic & Paralympic Summer Games.



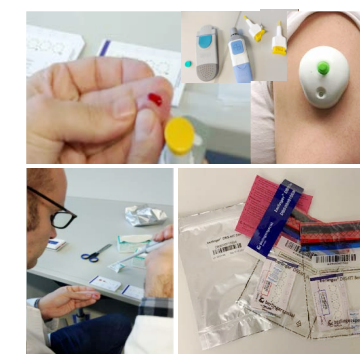
The project is the first innovative drug testing project that China has been participating in every aspect. It will give strong support to the Chinese delegation, protecting the clean sports in the 2020 Tokyo Olympics and the 2022 Beijing Winter Olympics. China will be the first country to host an Olympic Games with routine implementation of DBS.

DBS method allows for fast, simple and cost-effective collection of samples that can be easily and cheaply transported and stored. It's athlete-friendly and has no limitations on gender of sample collection personnel.



Mr. Thomas Bach,  
President of the IOC

DBS method could very well revolutionize the anti-doping fight, since it will allow for fast, simple and cost-effective collection of samples that can be easily and cheaply transported and stored. Reflecting the spirit of all stakeholders joining forces, this is very much a collaborative project between WADA, the IOC, the International Testing Agency, as well as several National Anti-Doping Organizations, including the United States, China, Japan, Switzerland Australia.



## 06 Education



### Educational Ideas

CHINADA comprehensively promoted the **“full coverage, full cycle, constant and systematic”** anti-doping education based on the values of **“Win Clean Medals”**. By speeding up system construction, formulating and promulgating the institutional documents such as Rules for the Implementation of Anti-Doping Education, Guidelines for Anti-Doping Qualification Program, Guidelines for Anti-Doping Outreach Program and Education Base, and Management Regulations for National Level Clean Sport Educators, several breakthroughs have been made in the construction of the anti-doping education and prevention system.

CHINADA launched the **Anti-Doping Qualification Program** based on the Grade Point System and developed the **China Anti-**

**Doping Education Platform (CADEP)**, realizing the full coverage of online education qualification for events at or above provincial level. CHINADA carried out outreach program with the theme “win clean medals” during several major events such as the 2nd National Youth Games, the 10th National Games for Persons with Disabilities and the 7th CISM Military World Games, promoting the spirit of Chinese sports. Under the guidance of the CHINADA, several anti-doping education bases were established in Liaoning, Tianjin and other provinces or cities. At the same time, CHINADA attached importance to the investigation of education program and the evaluation of education effect, identifying the demand of athletes and their support personnel, and improving the effectiveness and pertinence of education.

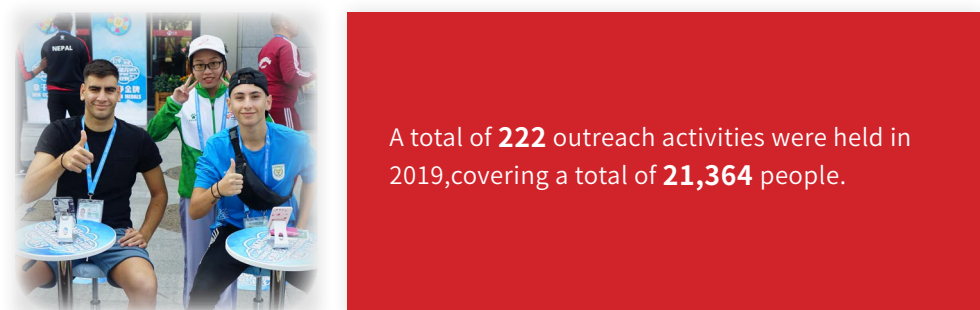


### Qualification Program

There were **782** ADQPs delivered, covering a total of **40,635** people.



### Outreach Program



A total of **222** outreach activities were held in 2019, covering a total of **21,364** people.



Education Lectures

1,296 lectures were held in 2019, covering a total of 159,594 people.

Anti-Doping Training Courses

Hosting 4 anti-doping training courses for national teams in preparation for Tokyo Olympic Games.

- 01

Athletes' rights and responsibilities in doping control
- 02

Whereabouts filing
- 03

Prevention of misuse
- 04

Case studies: ADRVs and consequences



CADEP

In 2019, there were a total of 196,251 users registered on the platform. This year the platform mainly provided certification for Chinese athletes who competed in international events and athletes from provincial teams and NFs. The cumulative number of registered users reached 36,722, with 28,935 people answering questions. The newly developed system for Tokyo 2020 has also been launched, aiming to achieve full coverage of anti-doping education access for the Chinese sports delegation.



07 Testing



Total Tests Number

The total tests number is 20,314 in 2019, including 10,319 by the General Administration of Sport of China within the plan and 9,995 tests by paid tests outside the plan. There were 18,055 urine tests and 2,259 blood tests; 8,764 tests for in-competition and 11,550 for out-of-competition. 7,699 DCOs were dispatched in 2019 with 2,621 times in total.

No.	Agency	IC		OOC		Total
		Urine	Blood	Urine	Blood	
1	CHINADA	4137	173	4492	1517	10319
2	CDPF	368	39	328	17	752
3	NFs	931	1	1310	124	2366
4	Provinces and the Central Military Commission	757	0	2893	15	3665
5	IFs	1992	168	359	180	2699
6	FUSC	34	0	291	10	335
7	Universities	147	15	0	0	162
8	Others	2	0	14	0	16
Total		8368	396	9687	1863	20314

Testing Partners

CHINADA conducted 306 tests with 9 overseas agencies in 2019, including PWC\_GmbH, Clearidium and USADA.



Testing Overseas Distribution in 2019

Data of Testing Partners

No.	Agency	Testing Number	No.	Agency	Testing Number
1	PWC_GmbH	166	6	Australian Sports Anti-Doping Authority (ASADA)	4
2	Clearidium	65	7	NADO-Italia (FMSI)	3
3	U.S. Anti-Doping Agency (USADA)	34	8	Agence française de lutte contre le dopage (AFLD)	1
4	Anti-Doping Norway (ADNO)	18	9	Slovenian Anti-Doping Organisation (SLOADO)	1
5	Canadian Centre for Ethics in Sport (CCES)	14	Total		306

Data of Overseas Tests

No.	Country/Region	Testing Number	No.	Country/Region	Testing Number
1	Portugal	59	11	Spain	9
2	United Kingdom	43	12	Netherlands	7
3	United States	40	13	Latvia	6
4	Poland	36	14	Kenya	6
5	Norway	18	15	Switzerland	6
6	Canada	16	16	Austria	4
7	Italy	15	17	Romania	3
8	France	15	18	Russia	2
9	Germany	10	19	Slovenia	1
10	Ethiopia	9	20	Finland	1
			Total		306

Data of Provincial Sport Bureau and NF Tests in 2019

Data of Provincial and the Central Military Commission Tests

No.	Clients	Type	Tests Number	No.	Clients	Type	Tests Number
1	Liaoning	Urine+ Blood	762	14	Fujian	Urine	50
2	Central Military Commission	Urine	505	15	Guangdong	Urine	50
3	Jiangsu	Urine	451	16	Anhui	Urine	45

4	Sichuan	Urine	296	17	Chongqing	Urine	34
5	Shandong	Urine	242	18	Ningxia	Urine	30
6	Tianjin	Urine	203	19	Jilin	Urine	20
7	Hubei	Urine	200	20	Jiangxi	Urine	20
8	Hebei	Urine	191	21	Beijing	Urine	20
9	Shanghai	Urine	156	22	Qinghai	Urine	13
10	Zhejiang	Urine	125	23	Tibet	Urine	7
11	Guangxi	Urine	111	24	Gansu	Urine	6
12	Shanxi	Urine	63	25	Guizhou	Urine	5
13	Henan	Urine	60	Total			3665

Data of NF Tests

Sports		IC		OOC		Total		Total
		Urine	Blood	Urine	Blood	Urine	Blood	
1	Athletics	601	0	249	25	850	25	875
2	Weightlifting	0	0	188	56	188	56	244
3	Cycling	87	0	94	34	181	34	215
4	Football	0	0	183	0	183	0	183
5	Swimming	87	0	55	0	142	0	142
6	Bodybuilding	0	0	128	0	128	0	128
7	Boxing	0	0	80	0	80	0	80
8	Speed Skating	36	0	40	3	76	3	79
9	Shooting	44	0	32	0	76	0	76
10	Wrestling	0	0	60	0	60	0	60
11	Archery	0	0	40	0	40	0	40
12	Taekwondo	0	0	22	0	22	0	22
13	Cross-Country	21	1	0	0	21	1	22
14	Judo	0	0	21	0	21	0	21
15	Wushu	0	0	20	0	20	0	20
16	Biathlon	20	0	0	0	20	0	20
17	Modern Pentathlon	0	0	13	6	13	6	19
18	Sailing	13	0	4	0	17	0	17
19	Basketball	0	0	17	0	17	0	17
20	Short Track	16	0	0	0	16	0	16
21	Artistic Swimming	0	0	14	0	14	0	14
22	Beach Football	0	0	14	0	14	0	14
23	Jujitsu	0	0	11	0	11	0	11
24	Karate	0	0	7	0	7	0	7
25	Artistic Gymnastics	0	0	6	0	6	0	6
26	Roller Skating	6	0	0	0	6	0	6
27	Parkour	0	0	6	0	6	0	6
28	Rhythmic Gymnastics	0	0	5	0	5	0	5
29	Fencing	0	0	1	0	1	0	1
Total		931	1	1310	124	2241	125	2366

Tests in Sports

No.	Sports	IC		OOC		Total
		Urine	Blood	Urine	Blood	
1	Athletics	1852	63	1367	342	3624
2	Swimming	720	39	862	248	1869
3	Artistic Swimming	29	0	77	2	108
4	Diving	64	0	74	1	139
5	Water Polo	37	0	17	0	54
6	Cycling	594	31	665	329	1619
7	Triathlon	153	9	94	73	329
8	Weightlifting	603	78	1327	135	2143
9	Wrestling	277	9	507	15	808
10	Judo	181	4	486	15	686
11	Rowing	224	15	455	279	973
12	Canoe	210	6	341	108	665
13	Boxing	157	4	281	5	447
14	Taekwondo	169	7	180	3	359
15	Karate	50	2	25	1	78
16	Shooting	158	0	127	0	285
17	Archery	47	0	74	0	121
18	Gymnastics-Artistic	54	1	47	2	104
19	Gymnastics-Rhythmic	2	0	23	0	25
20	Gymnastics-Tampoline	11	0	9	1	21
21	Modern Pentathlon	31	0	41	7	79
22	Equestrian	10	0	15	0	25
23	Fencing	91	0	85	0	176
24	Sailing	48	0	33	1	82
25	Table Tennis	22	1	73	0	96
26	Badminton	152	3	104	43	302
27	Tennis	20	0	35	0	55
28	Handball-Indoor	60	0	10	0	70
29	Field Hockey	40	1	12	0	53
30	Baseball	16	0	6	0	22
31	Softball	35	0	4	0	39
32	Football	94	3	252	0	349
33	Basketball	133	1	213	64	411
34	Volleyball	66	33	62	0	161
35	Volleyball-Beach	43	15	15	0	73
36	Rugby Union	49	0	16	0	65
37	Golf	8	0	5	0	13
38	Roller Sport	39	0	17	0	56
39	Climbing	33	0	15	0	48
40	Surfing	10	0	0	0	10
41	Wushu	123	1	50	0	174
42	Bodybuilding	36	2	128	0	166
43	Underwater Sports	49	0	3	1	53
44	School Sports	158	14	1	0	173
45	Figure Skating	24	0	35	5	64
46	Skating-Short Track	221	2	143	19	385
47	Speed Skating	216	4	234	73	527
48	Alpine	19	1	21	2	43
49	Cross-Country	50	1	54	19	124
50	Freestyle	46	0	52	2	100
51	Nordic Combined	4	0	0	0	4
52	Ski Jumping	12	0	3	2	17
53	Snowboarding	34	0	30	1	65
54	Biathlon	50	0	39	30	119
55	Bobsleigh	2	0	6	0	8
56	Luge	4	0	3	0	7
57	Curling	10	0	19	0	29
58	Ice Hockey	16	0	56	1	73
59	Ski Mountaineering	4	0	3	0	7
60	Billards Sports	18	0	0	0	18
61	Speaktakraw	4	0	0	0	4
62	Beach Football	0	0	14	0	14
63	Beach Handball	0	0	10	0	10
64	Fire Rescue	0	0	12	0	12
65	Parkour	6	1	6	0	13
66	Jujitsu	0	0	11	0	11
67	Miniature Golf	9	0	0	0	9

No.	Sports	IC		OOC		Total
		Urine	Blood	Urine	Blood	
68	Mountainbiking and Cycling	4	0	0	0	4
69	Powerlifting	2	0	2	0	4
70	Soft Tennis	5	0	0	0	5
71	Surfing	0	0	2	0	2
72	Comprehensive Combat	15	0	43	5	63
73	Orienteering	15	0	18	0	33
74	Military Basketball	4	0	0	0	4
75	Military Volleyball	8	0	10	0	18
76	Military Swimming	41	1	45	2	89
77	Military Road Bike	14	1	2	0	17
78	Military Field Bike	0	0	1	0	1
79	Military Beach Volleyball	8	0	14	0	22
80	Air Sports	9	0	19	0	28
81	Military Pentathlon	15	1	32	0	48
82	Navy Pentathlon	13	1	17	0	31
83	Military Modern Pentathlon	14	2	10	0	26
84	Lifesaving on Water	23	0	25	0	48
85	University Swimming	34	0	9	0	43
86	University Water Polo	0	0	14	0	14
87	University Basketball	8	0	24	0	32
88	University Figure Skating	0	0	5	0	5
89	University Short Track Speed Skating	0	0	10	8	18
90	University Cross-Country Skiing	0	0	8	2	10
91	University Freestyle Skiing	0	0	9	0	9
92	University Snowboarding	0	0	12	0	12
93	University Volleyball	0	0	24	0	24
94	University Diving	0	0	12	0	12
95	University Football	8	0	24	0	26
96	University Alpine Skiing	0	0	8	0	8
97	Para-Athletics	110	5	31	0	146
98	Para-Swimming	63	3	26	1	93
99	Para-Cycling	0	0	24	2	26
100	Para-Powerlifting	45	14	17	2	78
101	Wheelchair Tennis	6	1	5	0	12
102	Para-Basketball	8	1	3	0	12
103	Sitting Volleyball	11	1	9	0	21
104	Wheelchair Fencing	9	1	15	1	26
105	Para-Taekwondo	6	1	9	1	17
106	Para-Badminton	13	1	15	1	30
107	Para-Table Tennis	15	2	22	2	41
108	Blind-Golfball	8	1	10	1	20
109	Para-Archery	8	0	8	0	16
110	Para-Canoe	5	0	5	0	10
111	Para-Rowing	10	1	7	1	19
112	Boccia	8	0	9	0	17
113	Para-Judo	15	2	6	1	24
114	Para-Shooting	8	0	8	0	16
115	Blind Football	6	1	2	0	9
116	Para-Snowboard	10	1	7	0	18
117	Para-Snowboard	9	1	6	0	16
118	Para-Cross-Country Skiing	7	2	7	0	16
119	Para-Biathlon	9	1	0	0	10
120	Wheelchair Curling	3	0	8	0	11
121	Para-Ice Hockey	6	1	5	1	13
122	Mentally-Retarded Golfers	0	0	3	0	3
123	Mentally-Retarded Table Tennis	0	0	2	0	2
124	Mentally-Retarded Swimming	0	0	1	0	1
125	CISS Athletics	0	0	2	0	2
126	CISS Swimming	0	0	2	0	2
127	CISS Tennis	3	0	0	0	3
128	CISS Basketball	8	1	0	0	9
129	CISS Table tennis	0	0	1	0	1
130	CISS Taekwondo	0	0	1	0	1
131	CISS Alpine Skiing	0	0	6	0	6
132	CISS Snowboarding	0	0	13	0	13
133	CISS Cross Country Skiing	2	0	11	0	13
134	CISS Curling	4	0	10	0	14
Total		8356	399	9699	1860	20314

08 Analysis



Clients

In 2019, the samples of Beijing laboratory amount to 19,769, coming from 69 organizations, mainly from the following ones:

Clients	Testing Number	Clients	Testing Number
China Anti-doping Agency (CHINADA)	10564	World Athletics(WA-AIU)	683
Provincial Sport Bureau (CHN-PSB)	1880	International Military Sports Council (IMSC)	651
National Federation (CHN-NF)	1867	International Swimming Federation (FINA)	522

Total Analysis

	Urine	Blood	Total
Domestic Samples	13543	1803	15346
International Samples	3501	922	4423
Total	17044	2725	19769

AAF

	AAF	Ratio	ATF
Domestic Samples	42	0.27%	19
International Samples	26	0.59%	8
Total	68	0.34%	27



AAF by 2019 WADA Prohibited List

AAF by 2019 WADA Prohibited List	Domestic Samples	International Samples	Total
S1.1A Exogenous AAS	14	5	19
S1.1A Exogenous AAS S1.1A Exogenous AAS* S4. Hormone and Metabolic Modulators S1.1A Exogenous AAS* S1.1A Exogenous AAS* S1.1B Endogenous AAS and their Metabolites and isomers S1.1A Exogenous AAS* S1.1A Exogenous AAS*	1		1
S1.1A Exogenous AAS S4. Hormone and Metabolic Modulators	1	1	2
S1.1B Endogenous AAS and their Metabolites and isomers		2	2
S1.1B Endogenous AAS and their Metabolites and isomers	1		1
S1.1B Endogenous AAS and their Metabolites and isomers S1.1B Endogenous AAS and their Metabolites and isomers* S1.1B Endogenous AAS and their Metabolites and isomers*			1
S1.2 Other Anabolic Agents S1.1A Exogenous AAS S1.1A Exogenous AAS*	1		1
S1.2 Other Anabolic Agents S1.2 Other Anabolic Agents* S4. Hormone and Metabolic Modulators S4. Hormone and Metabolic Modulators* S1.1A Exogenous AAS S1.1A Exogenous AAS*		1	1
S1.2 Other Anabolic Agents; S5. Diuretics and Masking Agents	1		1
S2. Peptide Hormones, Growth Factors, Related Substances and Mimetics	6	1	7
S3. Beta-2 Agonists	2		2
S4. Hormone and Metabolic Modulators	2	1	3
S4. Hormone and Metabolic Modulators S9. Glucocorticoids	1		1
S5. Diuretics and Masking Agents	6	8	14
S5. Diuretics and Masking Agents S5. Diuretics and Masking Agents*		1	1
S5. Diuretics and Masking Agents S6. Stimulants	1		1
S5. Diuretics and Masking Agents S9. Glucocorticoids S9. Glucocorticoids*	1		1
S6. Stimulants	4	2	6
S6. Stimulants; S6. Stimulants*		1	1
S7.Narcotics		1	1
S9. Glucocorticoids S9. Glucocorticoids*		1	1
Total	42	26	68

\*The AAF detected repeatedly refer to multiple AAFs of that category found in the same sample.

Samples Analyzed in Overseas Laboratories

No.	Laboratory	Analysis Number
1	Seibersdorf Labor GmbH Doping Control Laboratory (Austria)	1664
2	Catalonian Antidoping Laboratory Fundació Institut Mar D'Investigacions Mèdiques (IMIM) (Spain)	277
3	Australian Sports Drug Testing Laboratory (ASDTL) (Australia)	200
4	Institute of Biochemistry - German Sport University Cologne (Germany)	1
5	Institute of Doping Analysis and Sports Biochemistry (IDAS) (Germany)	0
6	Madrid Anti-Doping Laboratory (Spain)	56
7	UCLA Olympic Analytical Laboratory (USA)	30
8	Norwegian Doping Control Laboratory (Norway)	18
9	Laboratoire de contrôle du dopage INRS - Institut Armand-Frappier (Canada)	14
10	Laboratoire Suisse d'Analyse du Dopage (Switzerland)	12
11	Laboratorio Antidoping FMSI (Italy)	12
12	The Sports Medicine Research and Testing Laboratory (USA)	12
13	Drug Control Centre (UK)	9
14	the Laboratório de Análises de Dopagem (LAD) (Portugal)	3
15	National Anti-Doping Laboratory (Russia)	2
16	Helsinki Doping Control Laboratory (Finland)	1
17	Pathologists Lancet Kenya (PLK) (Kenya)	1
18	Agence Française de Lutte contre le Dopage (AFLD) (France)	1
		2433

Technical Improvement

- The detection window of high-resolution mass spectrometry of liquid group was expanded from 273 to 353
- 13 detection windows of long-term metabolites were added to the gas quality group
- Boldenone detection method was added to isotopic detection
- IEF-PAGE and SDS-PAGE were added as a auxiliary confirmation means of EPO
- Blood biological passport was updated to XN instrument
- Automatic detection was launched for the analysis of gravity and PH
- Analysis method for the detection of steroid ester prototypes in DBS matrix was developed

Athletes Passport Management Unit (APMU)

Beijing laboratory was approved the accreditation of APMU of the WADA in November 2019

09 Results Management



ADRV

68 ADRVs in total, with a total ADRV rate of 0.33%

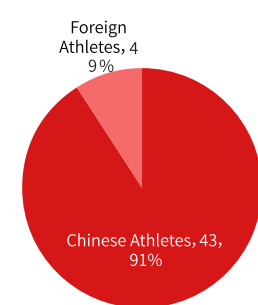


AAFs

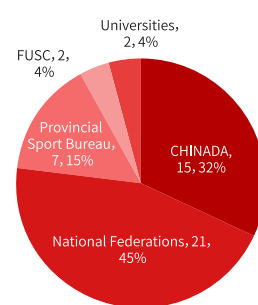
Year	Domestic Doping Tests	Adverse Analytical Finding (excluding international competition in China and tests paid by international clients)	AAF Rate
2017	17338	140	0.81%
2018	19469	116	0.60%
2019	20314	47	0.23%

AAF Distribution in 2019

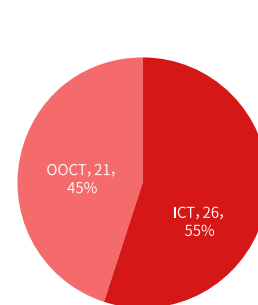
1.Chinese/Foreign AAFs



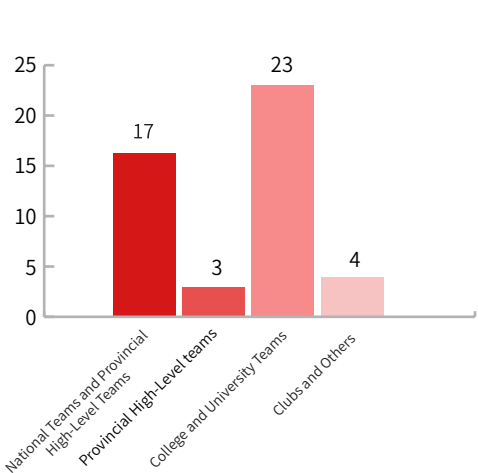
2.Paid Tests AAFs



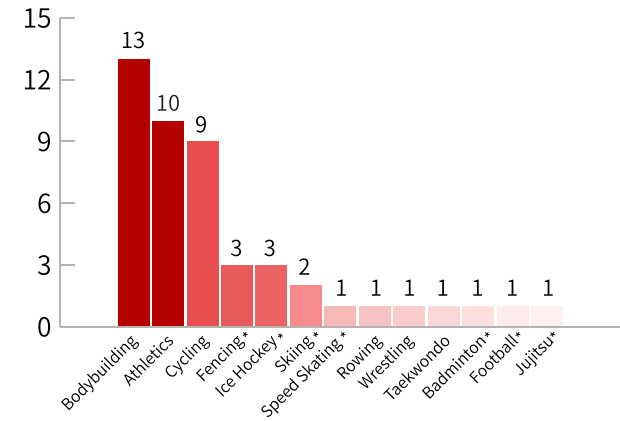
3.ICT/OOCT AAFs



4.Resource Distribution



5.AAFs in Sports



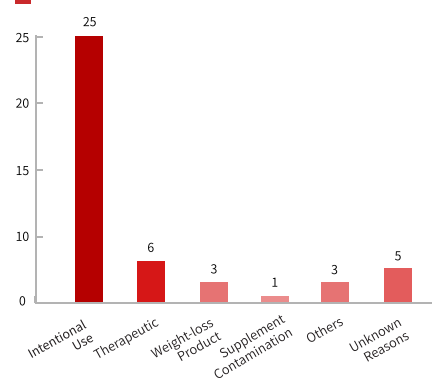
Note: The symbol “\*” means the AAFs were only found in these sports in 2019.

Prohibited Substance Distribution

Type	Substance	Number
S1.Protein Assimilation Preparation	Steroid	18
	Clenbuterol	2
S2.Peptide Hormone	Exogenous Erythropoietin	6
S3.β2-agonist	Terbutaline	3
	Banbutero	1
	Trimetazidine	1
S4.Hormone and Metabolic Regulator	Lerozole	1
	GW1516	1
S5.Diuretic	Hydrochlorothiazide	4
	Furosemide	4
	Torsemide	2
	Canrenone	2
S6.Stimulating Agent	Aucbamine	3
	1,4-dimethylpentylamine	1
	Cassione	1
S9.Glucocorticoids	Prednisone	2
	Prednisolone	2

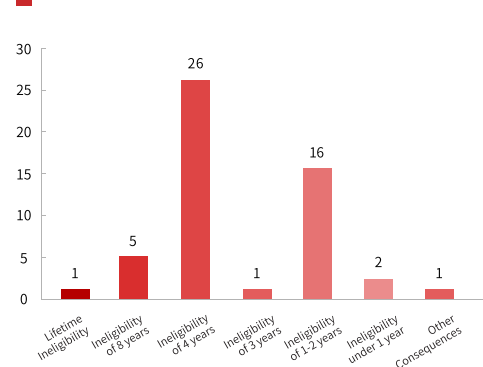
Note: There were 3 AAFs which involved 2 kinds of prohibited substances at the same time, and 7 AAFs which involved 2 or more prohibited substances at the same time.

## Reasons of AAF Tests



Note: The cases of 4 foreign athletes have been transferred to IAAF or their own NADOs, therefore they are not contained in the figure above.

## ADRV Sanctions



## ADRVs other than AAFs

There were **21** ADRV other than AAFs, with **15** cases of using prohibited substances, tampering with any part of doping control, trafficking in any prohibited substance or prohibited method, administration to athletes of any prohibited substance or prohibited method, **5** cases of falsification of evidence and providing false information and **1** case of misconduct in doping test.

## ATFs of Clenbuterol

A total of **14** ATFs of clenbuterol occurred in 2019, involving cycling, bodybuilding, rowing, athletics, volleyball, canoe, skating and basketball. Among them, **1** case was treated as AAF, **1** case was transferred to IAAF, **1** case was pending, and the rest were confirmed to be caused by meat contamination.

## Hearings

Dealing with **15** hearing cases and handling a number of major and complicated cases. Explanations of athletes were basically or partially accepted by the panels for **8** times, not accepted for **7** times.

## Handling Whereabouts Failure

Investigating in the **42** cases in which athletes fail to take doping tests in time. **35** cases of whereabouts failure (including **2** cases by IFs) and **31** people were given warning once, with **4** people twice.

## 10 Intelligence and Investigation



### Investigations

Monitoring the ABP information and handling **459** cases of abnormal information, including **54** for blood module and **405** for steroid module. Requiring laboratory's further analysis on **91** samples, with **1** AAF confirmed.

### ABPs



Directly investigating **15** major and complicated cases, making **38** surveys on parties involved, and collecting **11** kinds of drugs and supplements. About **55** kinds of evidence were fixed. Playing out the laboratory's scientific support and analyzing **11** kinds of drugs and supplements as well as **18** meat products provided by athletes. Several test reports provided by other analysis institutions were reviewed, which provided important basis for comprehensive study and judgment of the case and identification of the AAF causes, especially for distinguishing intentional use and misuse.



### Tip-offs

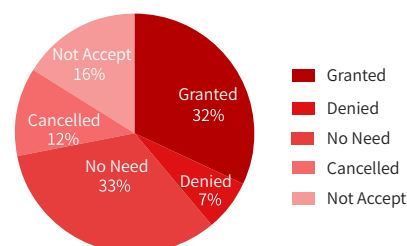
A total of **22** effective Tip-offs were received, including reports of violations of the prohibited association, sales of doping by social institutions or personnel, and use of doping by athletes.

## 11 Therapeutic Use Exemptions

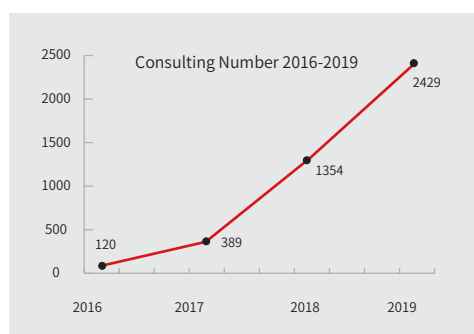


TUE Committee received **43** applications and submitted **17** applications to the experts for approval. Among them **14** cases were approved and **3** were disapproved by written decisions. There were **14** cases that didn't need to apply for TUE and **5** cases were cancelled. **7** cases were not accepted temporarily because TUE committee didn't think those were their duties. TUE Committee handled medication use consultations **2,429** times.

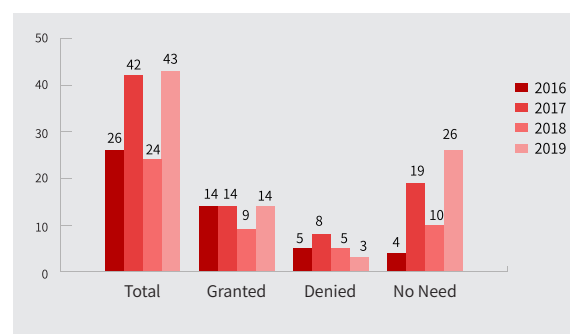
2019 TUE Granted and Denied



Consulting Number 2016-2019



Comparison of TUEs from 2016 to 2019



Types of Granted Substances

Type	Substance	Total
S2. Peptide Hormones, growth factors, related substances, and mimetics	Fibroblast growth factors	2
	Growth hormone	1
S4. Hormone and metabolic modulators	Insulins	4
S5. Diuretics and masking agents	Hydroxyethyl starch	1
	Methylprednisolone	1
S9. Glucocorticoids	Prednisone	4
	Dexamethasone	1

## 12 Analysis on Food and Supplements



Analysis on Meat in 2019

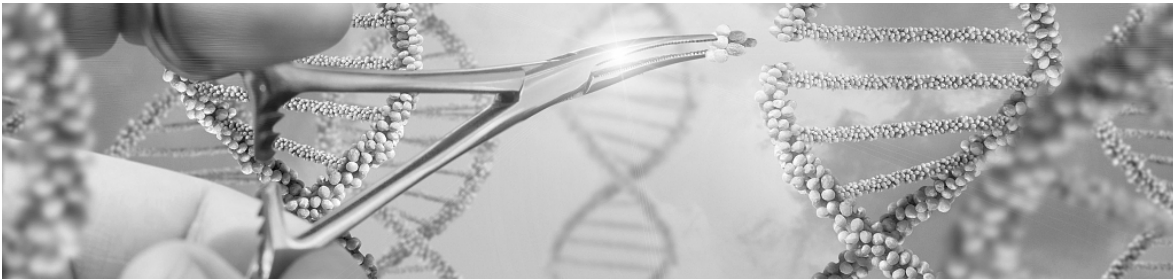
Samples from	Total	AAF Samples	Positive Result Rate
National Training Bases	1416	3	0.21%
Provincial and Municipal Units	1192	27	2.26%
Samples Analysis Assisting Investigation	18	4	22.2%
2019 Total	2626	34	1.29%

Analysis on Supplements in 2019

Samples from	Total	AAF Samples	AAF Rate
China Sport Science Society	115	0	0
Applied Health Care Samples	47	4	8.51%
Other Social Service Samples	242	6	2.48%
Special Samples	9	0	0
2019 Total	413	10	2.42%



13 Scientific Research



Papers and Colloquium Reports

Papers			
Title	Authors	Journals	Impact Factors
The risk of higenamine adverse analytical findings following oral administration of plumula nelumbinis capsules	Yan Kuan (first author), Wang Xinzhai, Wang Zhanliang, Wang Yunfei, Luan Zhaoqian	Drug Test Anal. 2019; 11:1731-1736	2.799
Comparison and optimization of SAR - PAGE tests for erythropoietins in doping analysis	Zhou Xinmiao (first author), Zhang Lisi (corresponding author), He Sen, Shen Li, He Chunji	Drug Test Anal. 2019;1-10. DOI:10.1002/dta.2703	2.799
Circulating microRNA as biomarker of human growth hormone administration to male	He Chunji, Wu Moutian, Zhang Lisi, Zhou Xinmiao	Recent Advances in Doping Analysis(26),145-148	-
Analysis of AMB-FUBINACA Biotransformation Pathways in Human Liver Microsome and Zebrafish Systems by Liquid Chromatography-High Resolution Mass Spectrometry	Lu Jianghai (corresponding author)	Frontiers in chemistry 2019;7:240	3.782
Characterization and tentative identification of new flunitrazepam metabolites in authentic human urine specimens using liquid chromatography - Q exactive - HF hybrid quadrupole - Orbitrap - mass spectrometry (LC - QE - HF - MS)	Lu Jianghai (corresponding author)	Journal of mass spectrometry 2019;54(8):704-715	2.267
Colloquium Reports			
Title	Authors	Meeting	Type
Chinese Model-Anti-Doping Program in Major Events	Yan Qingping	First Session of CHINADA International Anti-Doping Symposium	Report
Testing of Anti-Doping Program in Major Events	Yang Xiaoye	First Session of CHINADA International Anti-Doping Symposium	Report
Education of Anti-Doping Program in Major Events	Sai Fei	First Session of CHINADA International Anti-Doping Symposium	Report
Doping Control Program of Beijing 2022 Winter Olympic Games	Ling Lin	First Session of CHINADA International Anti-Doping Symposium	Report
CHINADA's Experience on WADA Audit	Cheng Yao	Korea International Anti-Doping Symposium	Report

Research Projects Assumed by CHINADA 2019

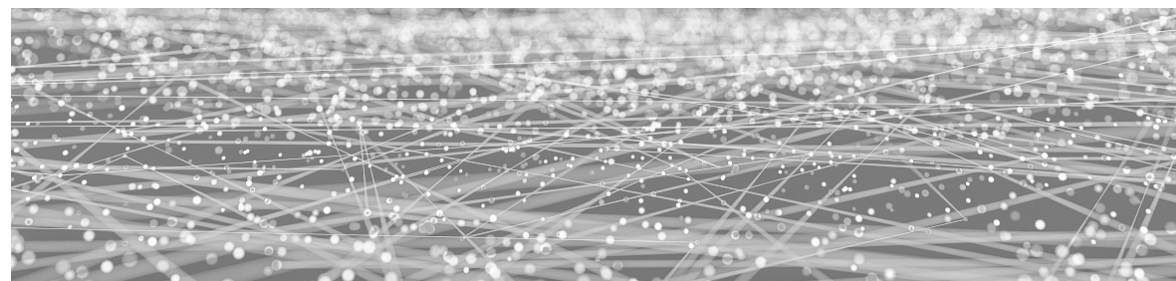
Title	Project Leader	Resource	Start	Complete	Participant (In order of applicants)
Improvement of Mass Spectrometry Detection Method for Insulin, insulin like Growth Factor and Growth Hormone Releasing Hormone in WADA Prohibited Macromolecular Substances	Shen Li	CHINADA	2018 / 1 / 1	2020 / 6 / 30	He Chunji, Wang Zhanliang, Zhang Lisi, Zhou Xinmiao, He Sen, Wu Yun, Yang Zhiyong
Comparative Study on Detection Efficiency of Erythropoietin	Zhou Xinmiao	CHINADA	2018 / 1 / 1	2019 / 12 / 31	He Sen, He Chunji, Shen Li, Zhang Lisi, Wang Lishui
Optimization and Improvement of Isotope Ratio Mass Spectrometry Detection Method for Boldenone, Formestane and 19-Norandrosterone	Wen Chao	CHINADA	2018 / 1 / 1	2019 / 12 / 31	Liu Xin
Optimization and Improvement of Confirmation Method for LC-MS/MS Detection of Exogenous Anabolic Agents	Jing Jing	CHINADA	2018 / 1 / 1	2019 / 12 / 31	Yang Sheng, Wang Shan, Liu Xin, Deng Jing, Zhang Yumei
High-throughput Initial Testing and Specific Confirmation Method for LCMS Detection of Doping in Urine Samples	Wang Zhanliang	CHINADA	2018 / 11 / 11	2019 / 12 / 31	He Genye, Yan Kuan, Wu Yun, Chang Wei, Liu Yunxi
Research on the Best Practice Model of Anti-Doping Education in China	Xie Li	CHINADA	2018 / 1	2019 / 12 / 31	Yu Junhai, Zhang Huiying, Zhang Chun, Zhang Jian, Li Keke
Research on the Sample Retesting of IOC in Recent Olympic Games	Qiu Xianting	CHINADA	2018 / 1	2019 / 12 / 31	Wu Moutian, Yan Qingping, Liu Xueqi
Effect of Traditional Chinese Medicine Containing Endogenous Steroids on Doping Control	Wang Jingzhu	WADA	2015 / 12	2019 / 12	Liu Xin
Human Subjects with Low Molecular Mass Erythropoietin Analogues: Study on Improving the Efficiency of Doping Test	Zhou Xinmiao	PCC	2019 / 5	2020 / 5	AFLD

14 Quality System

CHINADA passed the internal audit of the quality management system, and passed the recertification audit and system upgrading audit of BSI Beijing Headquarters. The Audit Group concluded that CHINADA meets the requirements of the ISO 9001:2015 standards and the rules listed in the audit report, and the management system achieves the anticipated results consistently. They recommend CHINADA for recertification.



## 15 International Communication and Cooperation



### The First Session of CHINADA International Anti-Doping Symposium

The First Session of the International Anti-Doping Symposium was successfully hosted by CHINADA on July 16th and 17th, 2019 with the theme **"Implementing Effective Anti-Doping Program in Major Events"**. The symposium aimed to consolidate the achievements of international communication and improve its continuity so as to create a unified and leading international communication brand. The symposium brought together **78** delegates from **33** countries.



Sir. Craig Reddie spoke highly of China's efforts and experience in anti-doping. "I don't know how many people in the world fully understand your National Games are actually bigger than the normal summer Olympic Games. I mean it's an enormous sporting event and you apply the correct rules to all of these competitions." Sir Craig Reddie told Xinhua News Agency. "What I think is going to happen is that you will simply get better and better in your anti-doping processes, because I think you will be running more major events."



Sir. Craig Reddie  
President, WADA



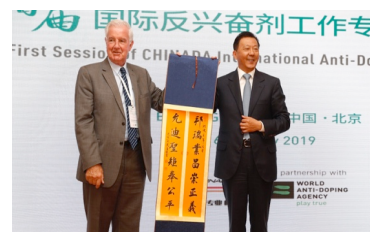
Mr. Li Yingchuan  
Vice Minister, General Administration of Sport of China



Mr. Chen Zhiyu  
Executive Director General, CHINADA



Mr. Kazuhiro Hayashi  
Director of Asia/Oceania Office, WADA

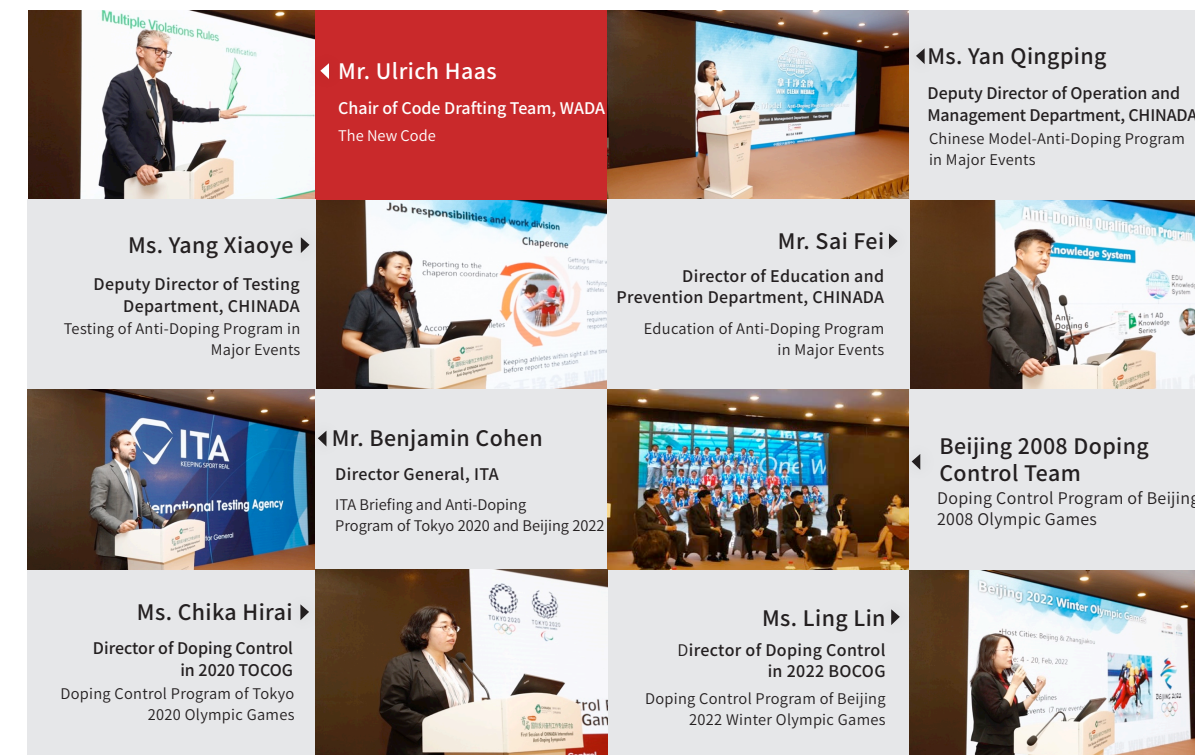


Mr. Li Yingchuan presenting gifts to Sir. Craig Reddie



Group photo of participants

### Photos of Keynote Speeches



### Other Activities

CHINADA participated in China-Norway Bilateral Conference and Anti-Doping Seminar on Winter Games in Oslo, Norway, from February 27th to March 4th.



CHINADA participated in doping control activities on the Youth and Junior Weightlifting Championships in Pyongyang, DPR Korea from October 20th to 27th.



CHINADA held the first 3 NADOs meeting with JADA and KADA Beijing, July 18th.



CHINADA participated in the Fifth World Anti-Doping Conference in Katowice, Poland from November 5th to 7th.



Mr. Witold Banka, the next President of WADA, Mr. Olivier Niggli, the Director General, Ms. Yang Yang, the next Vice President, and Mr. Kazuhiro Hayashi, Director of Asia/Oceania Office visited CHINADA on September 26th.



CHINADA participated in the annual international seminars organized by KADA, JADA and USADA.

