

WIN CLEAN MEDALS

# 2018 Annual Report

China Anti-Doping Agency

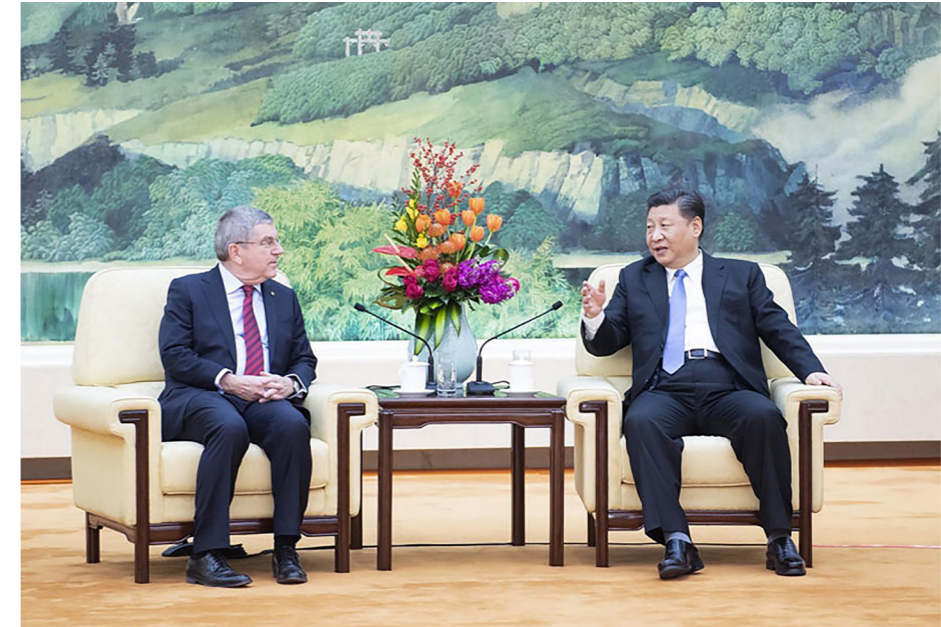
中国反兴奋剂中心

公平 尊重  
Fairplay Respect  
健康 纯洁体育 诚实  
Health Pure Sport Honesty  
道德 CLEAN SPORT  
Ethics Rules 勇气  
规则 Courage



独立公正 专业权威

**Win Olympic Spirit Medals**  
**Win Legally Compliant Medals**  
**Win Clean Medals**



Chinese government adopts "zero tolerance" attitude towards doping. On 31st January 2019, our President Xi Jinping met with IOC President Thomas Bach, he stressed, "Athletes, even if cannot win medals in competition, should win Olympic spirit medals, win legally compliant medals, and win clean medals. China will hold a winter Olympics as pure and clean as ice and snow."

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



**Theoretical System**



**Legal System**



**Organizational System**



**Education and Prevention System**



**Testing and Sanction System**



**Integrity System**



**External Exchange System**



**Human Resource System**



**Supervision System**



**From the Executive Director General**

2018 was a year of reform, innovation and development for Anti-Doping in China. CHINADA proposes the anti-doping values “Win Clean Medals”, dedicated to protecting clean athletes and clean sports. The “Development Plan of Anti-Doping [2018-2022]” was made, and the “Win Clean Medals” Long-term Anti-Doping Governance System is being constructed. A Chinese Anti-Doping System of theory, law, organization, education and prevention, testing and sanction, integrity, external exchange, human resource and supervision is being comprehensively developed and improved, which may prevent the doping problem from the source, making sure the athletes and related people would “dare not, cannot and wish not” to dope.

2018 was a fruitful year of CHINADA. The strictest ever education and tests were done to athletes participating in the Pyeongchang Winter Olympic Games, Jakarta Asian Games and Buenos Aires Youth Olympic Games, in which the goal of clean national teams was reached. In 2018, a total of 19,469 samples were collected, highest in the history. Major breakthroughs were made in investigation, with a series of major cases investigated and dealt with. CHINADA actively promoted the construction of anti-doping offices in provincial sport bureaus and NFs. CHINADA hosted the 2nd World Anti-Doping Educational Meeting successfully. CHINADA enhanced its comprehensive international influences through more international cooperation and more positions in international organizations.

In 2019 CHINADA will facilitate the construction of “Win Clean Medals” Long-term Anti-Doping Governance System. CHINADA will launch a comprehensive anti-doping program for the “2020 Tokyo and 2022 Beijing Olympics”, and promote the development of the national team doping risk control system, building clean national teams. CHINADA will build an artificial intelligence based anti-doping system, comprehensively strengthening its accurate anti-doping capability. CHINADA will implement effective anti-doping programs in the 2019 National Youth Games, the 7th CISM Military World Games and the Basketball World Cup. CHINADA will reinforce support for the SARADO and DPR Korea Anti-Doping Committee, etc., and participate in the research and development of the dried blood spot program. CHINADA will also hold the First Session of CHINADA International Anti-Doping Symposium.

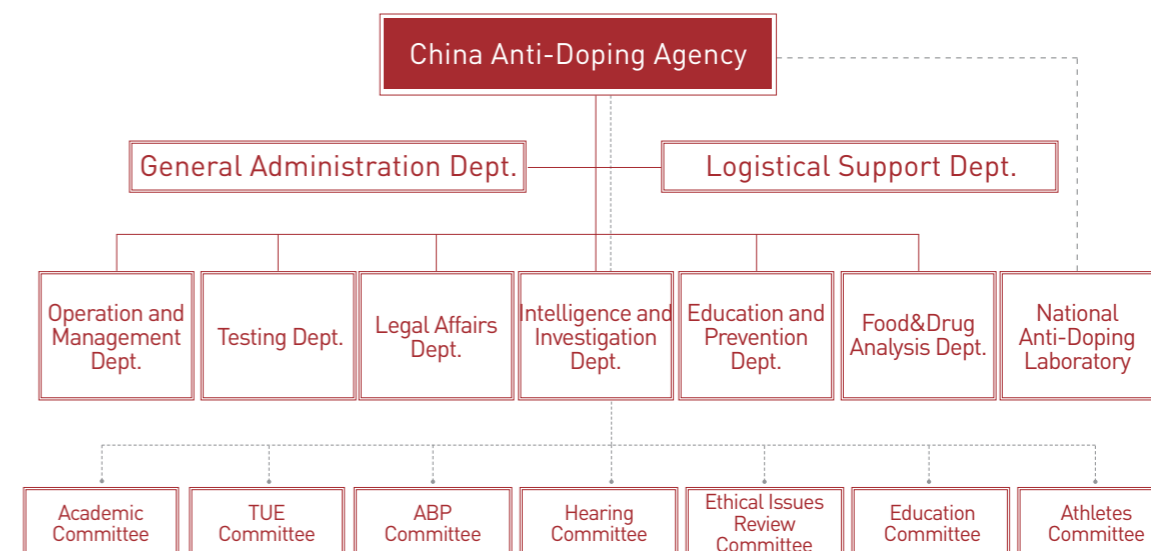
Mr. Chen Zhiyu  
Executive Director General  
CHINADA

# 2018 Overview

- Doping Control Tests**  
19,469 in total
- Qualification Program**  
185,373 people
- Analysis(Beijing Lab)**  
17,512
- Outreach Program**  
288 times, 101,308 people
- Violation**  
66 AAF, 4 others
- Education Lectures**  
1,719, 173,065 people involved
- Hearing**  
16 person-times
- Meat Analysis**  
2,371
- TUE**  
24 applications, 9 granted, 1,354 consultations.
- Supplement Analysis**  
400
- Scientific Research**  
6 papers published, 12 research projects, 2 colloquium reports
- Wechat**  
136,579 subscribers
- Official Website**  
213,655 page views
- CADEP**  
177,140 people registered



## 01. Team CHINADA



• 11 staff were employed in 2018, with a total of 78

Administration Coordination  
☎ 010-8437 6283

Anti-Doping Coordination  
☎ 010-6498 0524

Analysis on Food and Supplements  
☎ 010-6491 2132

Tip-off  
☎ 010-8437 6231  
✉ jubao@chinada.cn

TUE  
☎ 010-8437 6808  
✉ tue@chinada.cn

Education  
☎ 010-6491 0444  
✉ edu@chinada.cn

Paid Tests  
☎ 010-8437 6286  
✉ jianchachu@chinada.cn

Whereabouts  
☎ 010-6495 3956  
✉ whereabouts@chinada.cn

Results Management  
☎ 010-8437 6809  
✉ rm@chinada.cn

## 2 Committees were added in 2018



### Education Committee

Chairman Jiang Zhixue  
 Counselor He Zhenwen  
 Committee Member Ma Xiangfei, Li Na, Li Hao, Zhang Huiying, Chen Xiaoxiong  
 Observer Yu Junhai, Gao Feng  
 Secretary General Sai Fei  
 Secretary Li Keke



### Athletes Committee

Chairman Zhang Hong  
 Committee Member Fu Yuanhui, Chen Yibing, Fang Shuo, Zhao Lina, Zhou Jiamin  
 Secretary General Sai Fei  
 Secretary Zhou Weicheng



## DCO Team



Location	DCO Numbers
Beijing	304
Jiangxi	18
Qinghai	16
Hubei	12
Guizhou	11
Shanghai	10
Sichuan	8
Zhejiang	3
Tianjin	1
Shandong	1
<b>Total</b>	<b>384</b>

## Clean Sport Education Officer Team



Location	Qualified Officer Number	Location	Qualified Officer Number
Shandong	81	Hubei	100
Shanghai	47	Heilongjiang	46
Beijing	36	Anhui	65
Jiangsu	66	Jiangxi	52
Sichuan	87	Hainan	24
Liaoning	91	Henan	66
Zhejiang	76	Tianjin	48
Fujian	68	Hebei	79
Jilin	86	Yunnan	67
Chongqing	41	Guangxi	32
NPC	40	Guangdong	80
Shaanxi	51	Guizhou	53
Hunan	75	Others	113
Shanxi	68	<b>Total</b>	<b>1738</b>

**73** National Level Officers  
**1665** Provincial Level Officers

# 02. Legal Construction

## China's Progress in Taking Doping Issues into the Criminal Law

Doping sentenced to criminal penalty is being promoted. An exposure draft of "Judicial Interpretation concerning Several Questions of Law Application in the Handling of Criminal Cases of Smuggling, Producing, Selling and Using Doping" has been issued by the Supreme People's Court of the People's Republic of China and the Supreme People's Procuratorate of the People's Republic of China. After the judicial interpretation is promulgated, anti-doping will be more deterrent.



Sir Craig Reedie, President of the Foundation Board, WADA, highly appreciates the resolution and action taken by China in taking doping into the criminal law.



Mr. Li Yingchuan, Vice Minister of General Administration of Sport China, was invited to introduce the progress made by China in taking doping into the criminal law in November 2018, WADA Foundation Board.

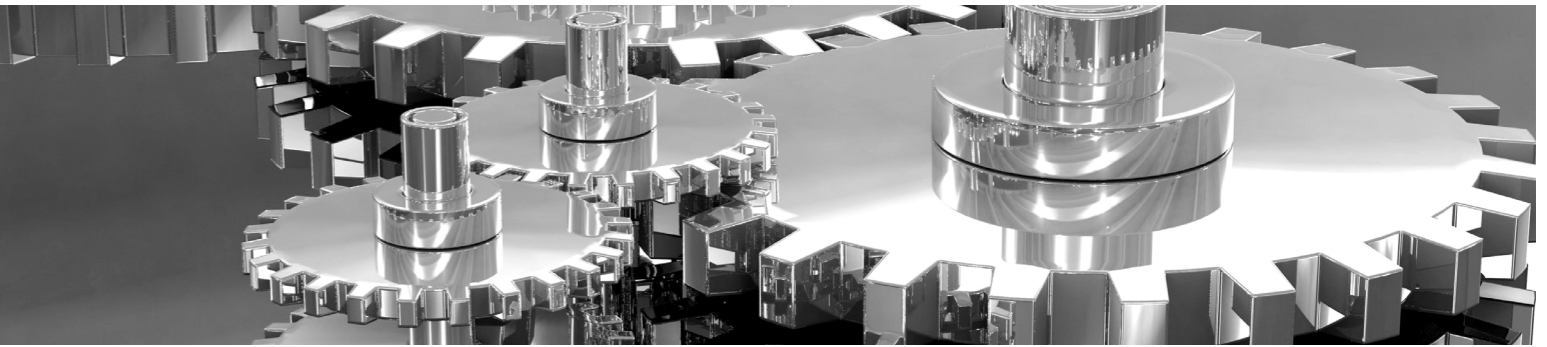


Mr. Jiang Qibo, Research Director of the Supreme People's Court of the People's Republic of China, was invited to introduce the judicial interpretation of taking doping into the criminal law, on the 2nd WADA Global Education Conference 2018, which attracted positive attentions.

## Rules Revised

- "Doping Control Rules in Sports"
- "Hearing Rules on Anti-Doping Rule Violations"
- "Measures for the Management of Athletes Therapeutic Use Exemptions"
- "Compilation of Anti-Doping Rules"



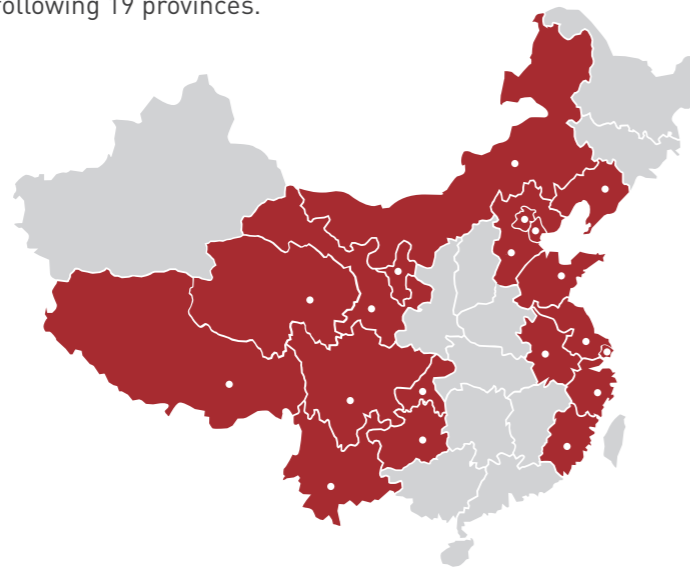


## 03. Organizational System

### Establishing a vertical and horizontal cross, upper and lower linked anti-doping management system

**Horizontal:** Establishing independent anti-doping departments in national federations. Till now independent anti-doping organizations with full-time personnel have been established in the track and field association, the swimming association, the weightlifting association, winter sports center and Taekwondo association.

**Vertical:** Establishing provincial anti-doping organizational systems jointly managed by the provincial sport bureaus and provincial anti-doping organizations. Till 2018, anti-doping organizations have been established in the following 19 provinces.



No.	Region	No.	Region	No.	Region	No.	Region	No.	Region	No.	Region
01	Beijing	04	Liaoning	07	Gansu	10	Tibet	13	Guizhou	16	Anhui
02	Tianjin	05	Inner Mongolia	08	Shandong	11	Sichuan	14	Yunnan	17	Zhejiang
03	Hebei	06	Ningxia	09	Qinghai	12	Chongqing	15	Jiangsu	18	Shanghai
										19	Fujian

## 04. Operation and Management

### Anti-Doping Working Plan Preparing for Tokyo Olympic Games

Establish clean national teams, through education, testing, sanctions and prevention, ensuring that the Chinese National Teams at Tokyo Olympic Games are clean.



**Accurate Education**  
Full coverage, full cycle, constant and systematic anti-doping education



**Accurate Testing**  
Accurate testing covers the whole process based on Big Data and AI



**Investigation and Evidence Collection**  
Strengthen the investigation methods and the ability to investigate doping violations



**Intelligence-Led**  
Strengthen intelligence collection and analysis



**Strict Sanctions**  
Intensify sanctions and accountability



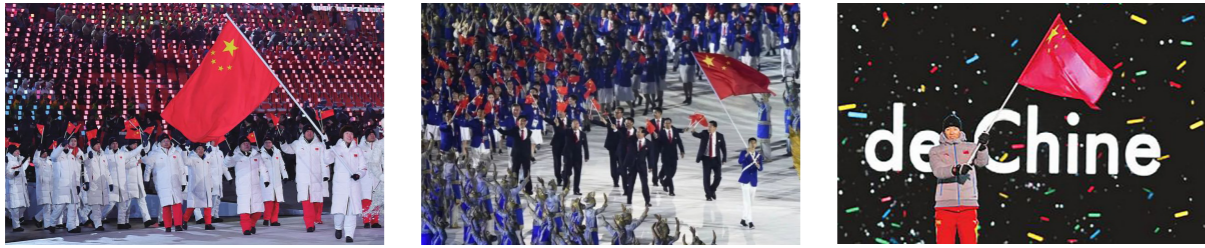
**Integrity Management**  
Construct the system of the national team anti-doping integrity



**Risk-Warning**  
Improve the risk-control system and measures of food, drug and supplements

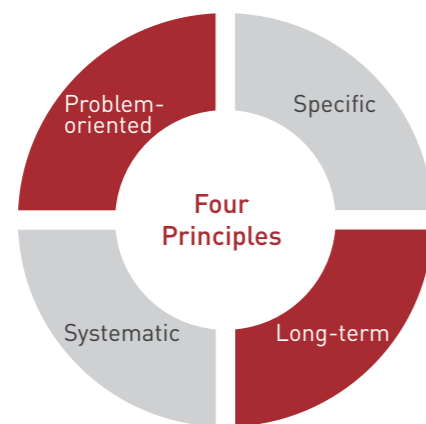


**Joint Prevention and Control**  
Build a vertical and horizontal cross, upper and lower linked anti-doping management system.



### National Team Doping Risk Control System Construction

In-depth Analysis of doping risk points of every sport, formulation of targeted, specific and systematic anti-doping measures and long-term anti-doping mechanism, building clean national teams



**Anti-doping Agency:**  
Testing, Education, Sanctions, Early-warning Mechanism, Intelligence Sharing, Training of Professional Talents, Supervision and Review

**National Federations:**  
Policies, Organizations, Duties, Working Mechanism and Intelligence Sharing

### Major Programs of CHINADA

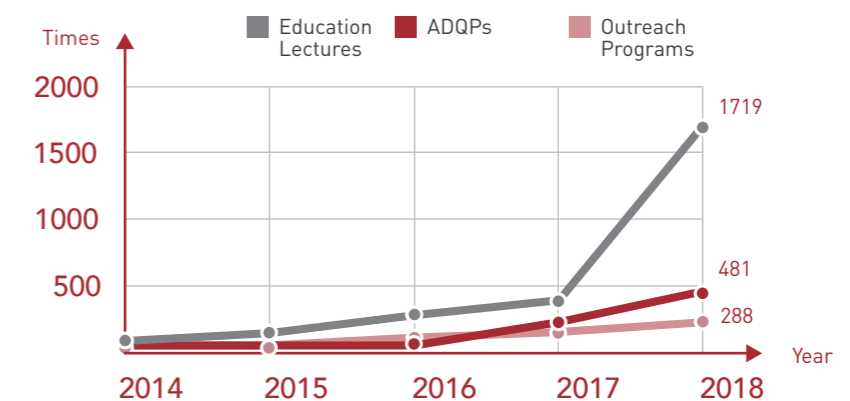
1. Build an artificial intelligence based anti-doping system, comprehensively strengthening its accurate anti-doping capability.

2. Cooperate with the IOC, ITA and WADA in the research and development of the dried blood spot program, which is planned to be applied in 2022 Beijing Olympic Winter Games.

## 05. Education

In 2018, 2,485 onsite education activities were held all over the country, involving 459,746 people. Activities and people involved were 3.3 times those of 2017, and nearly 30 times those of 2014, in which the Education and Prevention Dept. was founded.

Implementation of the "National Program"



**ADQPs**  
Online: 3  
Onsite: 477  
Overseas: 1  
Total: 481  
185,373 people involved



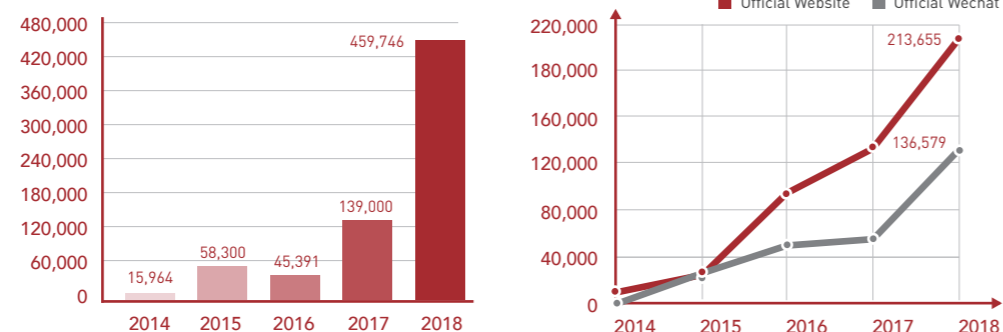
**Outreach Programs**  
CHINADA Initiated: 2  
Provincial Sport Bureaus Initiated: 236  
NFs Initiated: 49  
Requested by International Partners: 1



**Education Lectures**  
In total 1,719 anti-doping education lectures  
173,065 people involved



Anti-Doping Education Activities Coverage



### CADEP

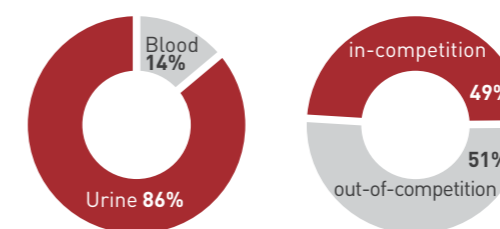
Up to now, there are a total of 177,140 users and 681 administrators registered on the platform. They finished 3 ADQPs and covered 156,199 people. The total visit numbers of CHINADA official Website is 368,584 with an average daily visit of 2,363. At its peak, the daily visit was 25,973. CADEP is equipped with the capacity to provide resources to this large numbers of users. Administrators from local sport authorities and NFs provide CHINADA with channels to manage the vast numbers of targets. They are a part of CHINADA Anti-Doping System. All the data preserved from the platform will be used for future Anti-Doping Approaches as references.



## 06. Testing

### Total Tests Number

The total tests number is 19,469 in 2018, including 16,699 urine tests and 2,770 blood tests; 9,458 tests for in-competition and 10,011 for out-of-competition.



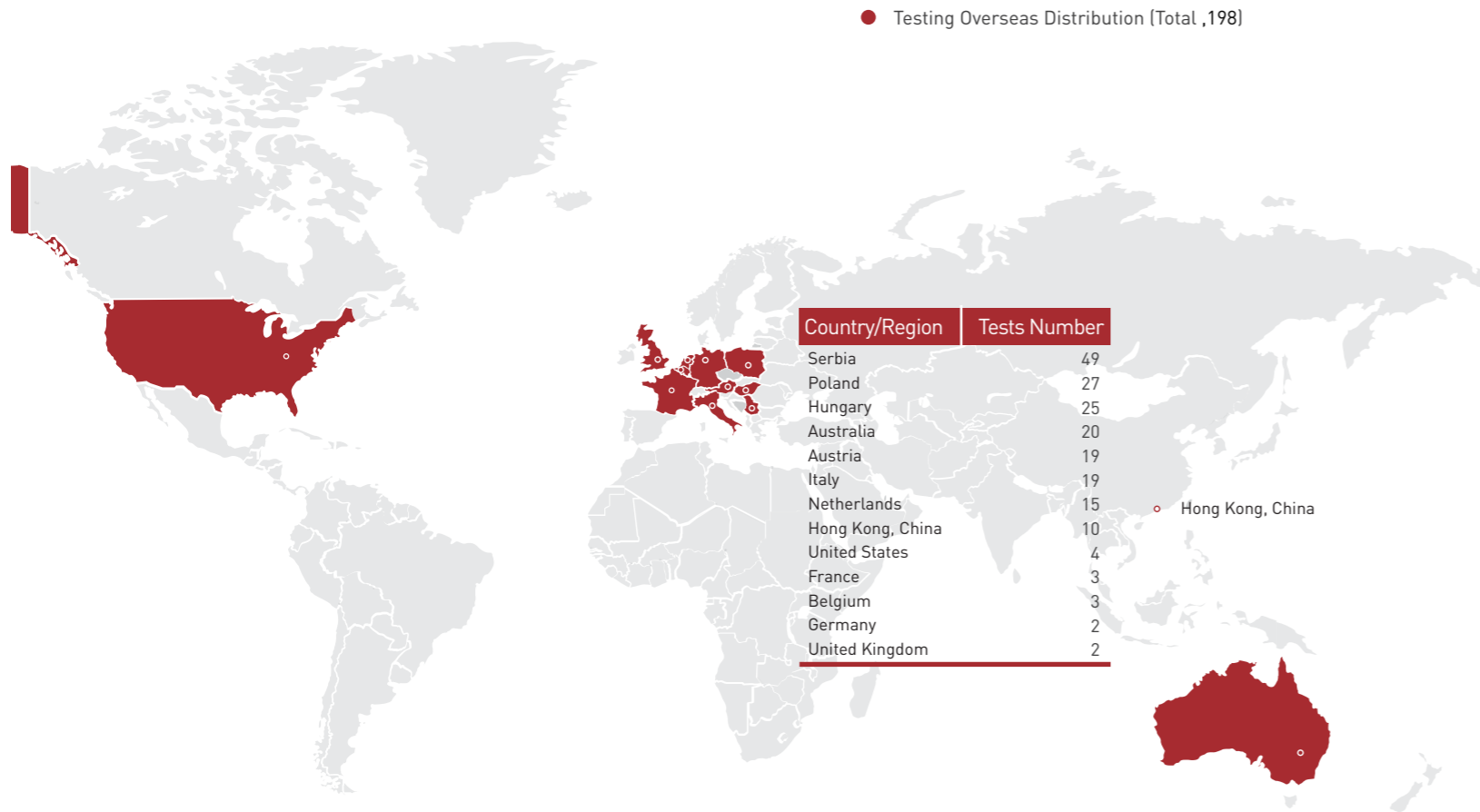
### Testing Partners

Cooperated overseas with IDTM, PWC, ASADA, LGC and USADA in 2018, 146 tests in total.

Agency	Tests Number
IDTM	72
PWC	45
ASADA	20
LGC	5
USADA	4
<b>Total</b>	<b>146</b>

## Testing Overseas Distribution

198 tests in 13 countries and regions including Serbia, Poland, Hungary and Austria were conducted in 2018.



## Distribution of Samples Sent to Overseas Laboratories

3,360 samples were analyzed by 6 overseas authorized laboratories in Sydney, Sei Bersdorf, Paris, Doha, Hong Kong Jockey Club Racing and LGC in 2018.

Laboratories	Analysis Number	Laboratories	Analysis Number	Laboratories	Analysis Number
Australia, Sydney	1,137	France, Paris	718	Hong Kong Jockey Club Racing	48
Austria, Sei Bersdorf	1,104	Qatar, Doha	348	LGC UKAS Testing Laboratory	5
<b>Total</b>					<b>3,360</b>

## Testing on National Teams for Major Events



315 athletes were tested with totally 1,025 tests for 2018 Winter Olympics in Pyeongchang (958 out-of-competition tests and 67 in-competition tests). Finally 82 athletes participated in the Winter Olympics in Pyeongchang, with a total 667 tests, 8.1 per capita, the most 11 tests.



There were 3,791 tests before the 18th Asian Games Jakarta



There were 192 tests before the Youth Olympic Games.

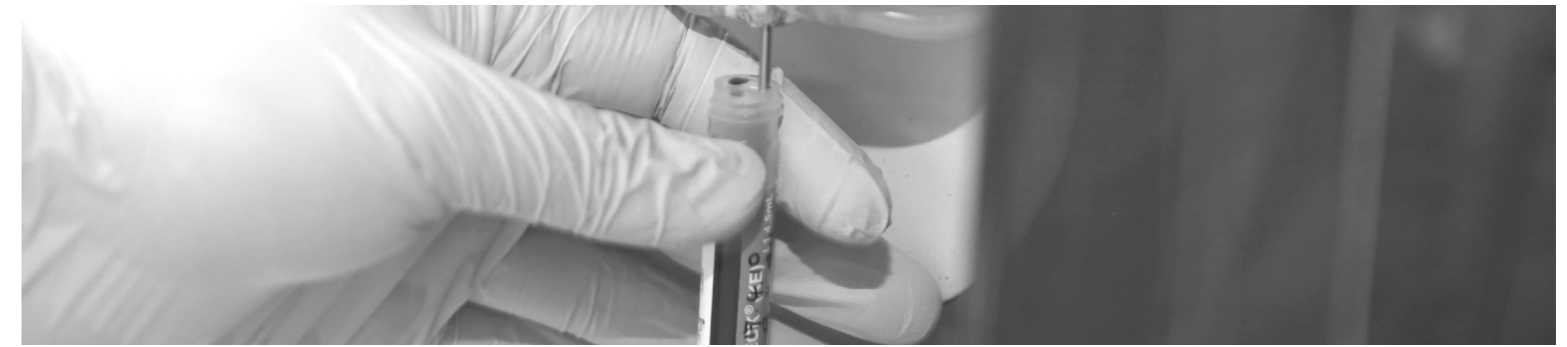
## Data of Provincial Sport Bureau Tests, Mainly in Provincial Games

2018 was the year of provincial games. All the 27 provinces/cities held provincial games conducted tests.

No.	Province/City	Tests Number	No.	Province/City	Tests Number
1	Liaoning	837	15	Hunan	103
2	Jiangsu	650	16	Shanghai	101
3	Shandong	435	17	Heilongjiang	100
4	Zhejiang	410	18	Guangdong	93
5	Henan	329	19	Shaanxi	67
6	Hebei	246	20	Jilin	62
7	Fujian	203	21	Jiangxi	60
8	Sichuan	196	22	Gansu	27
9	Shanxi	157	23	Inner Mongolia	20
10	Anhui	135	24	Guizhou	19
11	Tianjin	124	25	Tibet	12
12	Beijing	121	26	Qinghai	10
13	Yunnan	118	27	Hainan	10
14	Hubei	114		<b>Total</b>	<b>4,759</b>

## Tests Number of Sports

No.	Sports	IC	OOC	Total
1	Athletics	2,514	1,796	4,310
2	Cycling	681	832	1,513
3	Swimming	1,148	1,062	2,210
4	Diving	47	59	106
5	Artistic Swimming	22	50	72
6	Water Polo	29	36	65
7	Rowing	432	549	981
8	Canoe/Kayak	306	427	733
9	Sailing	0	60	60
10	Triathlon	98	190	288
11	Modern Pentathlon	61	23	84
12	Weightlifting	685	1,707	2,392
13	Wrestling	382	306	688
14	Judo	407	229	636
15	Boxing	327	209	536
16	Taekwondo	268	59	327
17	Football	64	147	211
18	Basketball	54	43	97
19	Volleyball	107	57	164
20	Beach Volleyball	23	17	40
21	Table Tennis	35	34	69
22	Badminton	114	113	227
23	Tennis	29	30	59
24	Fencing	108	60	168
25	Shooting	95	53	148
26	Field Hockey	31	64	95
27	Archery	61	20	81
28	Handball	32	25	57
29	Baseball	18	27	45
30	Softball	16	22	38
31	Gymnastics	14	72	86
32	Trampoline	8	53	61
33	Rhythmic	10	10	20
34	Golf	10	15	25
35	Equestrian	0	8	8
36	Speed Skating	146	231	377
37	Short Track Speed Skating	59	125	184
38	Figure Skating	2	52	54
39	Freestyle Skiing	6	39	45
40	Snow Board	10	24	34
41	Cross-Country Skiing	16	12	28
42	Alpine Skiing	16	2	18
43	Ski Jumping	0	1	1
44	Biathlon	10	7	17
45	Skeleton	0	4	4
46	Bobsleigh	0	14	14
47	Curling	4	9	13
48	Ice Hockey	2	0	2
49	Disabled Athletics	41	99	140
50	Disabled Swimming	21	50	71
51	Disabled Cross-Country Skiing	10	48	58
52	Disabled Table Tennis	4	49	53
53	Disabled Weightlifting	14	34	48
54	Disabled Basketball	6	35	41
55	Disabled Cycling	21	20	41
56	Disabled Ski Jumping	12	18	30
57	Disabled Badminton	4	23	27
58	Disabled Shooting	4	22	26
59	Disabled Archery	3	18	21
60	Disabled Judo	5	15	20
61	Disabled Snowboard	7	8	15
62	Disabled Tennis	4	11	15
63	Disabled Ice Hockey	2	9	11
64	Disabled Biathlon	9	1	10
65	Disabled Football	7	2	9
66	Disabled Rowing	7	0	7
67	Disabled Canoe	3	2	5
68	Disabled Fencing	4	21	25
69	Disabled Taekwondo	4	0	4
70	Sitting Volleyball	11	33	44
71	Wheelchair Curling	2	17	19
72	Wheelchair Racing	0	5	5
73	Boccia	2	7	9
74	Goalball	7	25	32
75	School Sport	166	0	166
76	University Students' Sport	56	0	56
77	Ice Climbing	4	0	4
78	Wushu	133	59	192
79	Fin Swimming	40	7	47
80	Basketball (3 on 3)	25	23	48
81	Soft Tennis	0	8	8
82	Surfing	47	15	62
83	Bodybuilding	39	47	86
84	Sport Climbing	54	27	81
85	Rugby	42	37	79
86	Dragon Boat	1	45	46
87	Skateboard	20	9	29
88	Bridge	0	26	26
89	Karate	8	17	25
90	Aerobics	0	24	24
91	E-Sports	0	15	15
92	Roller Skating	4	11	15
93	Squash	5	6	11
94	Paraglide	0	11	11
95	Bowling	0	8	8
96	Horse Race	36	17	53
97	Sepaktakraw	0	8	8
98	Jet Ski	0	4	4
99	Others	57	31	88
<b>Total</b>		<b>9,458</b>	<b>10,011</b>	<b>19,469</b>



## 07. Analysis

### Clients

In 2018, the samples of Beijing laboratory amount to 17,512, coming from 63 organizations, mainly from the following ones:

- China Anti-doping Agency (CHINADA)
- Fédération Internationale de Natation (FINA)
- International Association of Athletics Federations (IAAF - AIU)
- Union Cycliste Internationale (UCI-CADF)
- Badminton World Federation (BWF)
- International Tennis Federation (ITF)

### Total Analysis

	Urine	Blood	Total
Domestic Samples	11,961	2,501	14,462
International Samples	2,515	535	3,050
<b>Total</b>	<b>14,476</b>	<b>3,036</b>	<b>17,512</b>

### AAF

	Domestic Samples	International Samples	Total
AAF	66	21	87
ATF	14	7	21

Notes: Those AAF samples of meat contamination, TUE, and Double Blind External Quality Assessment Scheme (dbEQAS) don't count as ADRV.



## AAF by 2017 WADA Prohibited List

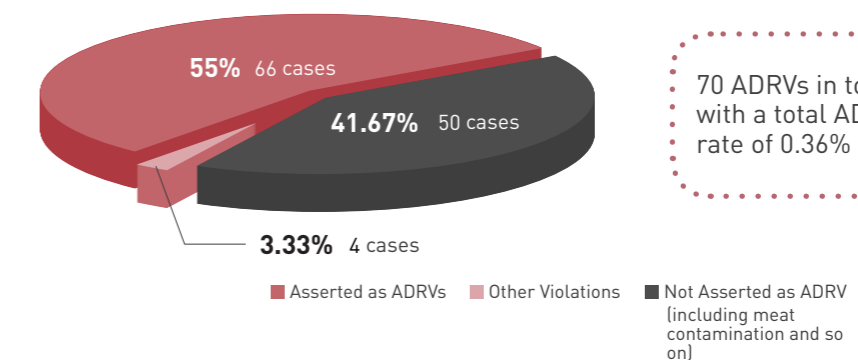
AAF by 2017 WADA Prohibited List Category	Domestic Samples	International Samples	Total
S1.1A Exogenous AAS	15	9	24
S1.1A Exogenous AAS; S1.1A Exogenous AAS ★	1		1
S1.1A Exogenous AAS; S1.1A Exogenous AAS; ★ S1.1A Exogenous AAS; ★	1		1
S1.2 Other Anabolic Agents; S1.1B Endogenous AAS and their Metabolites and isomers			
S1.1A Exogenous AAS; S1.1A Exogenous AAS; ★ S1.1B Endogenous AAS and their Metabolites and isomers	1		1
S1.1B Endogenous AAS and their Metabolites and isomers ★	1		1
S1.2 Other Anabolic Agents	18	3	21
S1.2 Other Anabolic Agents; S1.1A Exogenous AAS	1		1
S2. Peptide Hormones, Growth Factors, Related Substances and Mimetics	4		4
S3. Beta-2 Agonists	3	1	4
S4. Hormone and Metabolic Modulators	1		1
S5. Diuretics and Masking Agents	11		11
S5. Diuretics and Masking Agents; S5. Diuretics and Masking Agents ★	1		1
S6. Stimulants	6	3	9
S6. Stimulants; S6. Stimulants ★		2	2
S9. Glucocorticoids	2	3	5
<b>Total</b>	<b>66</b>	<b>21</b>	<b>87</b>

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

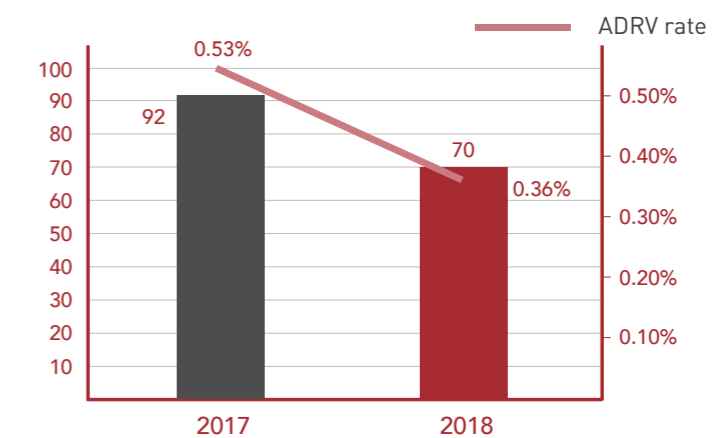
## 08. Results Management

### ADRV

ADRV and AAF Cases of 2018



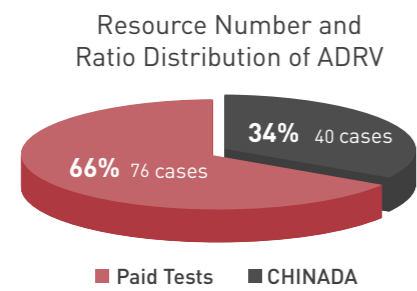
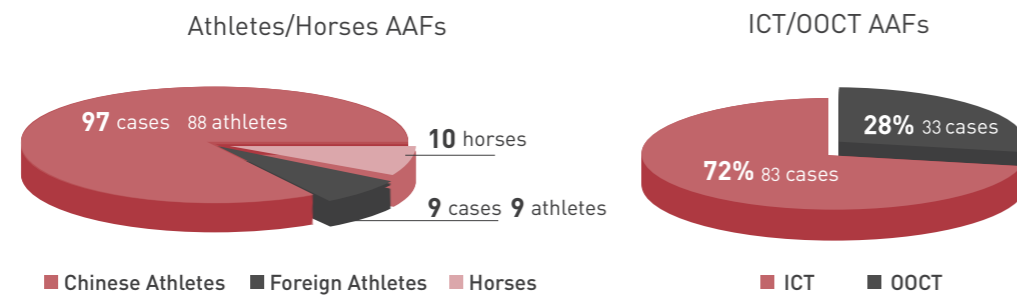
Comparison on ADRVs of 2017 and 2018



## AAFs

Year	Domestic Doping Tests	Adverse Analytical Finding(excluding international competition in China and tests paid by international clients)	AAF Rate
2017	17,338	140	0.8%
2018	19,469	116	0.6%

## AAF Distribution in 2018



**Paid Tests AAF:**  
 National Federations, 28, 24%  
 Provincial Sport Bureau, 42, 36%  
 NPC, 1, 1%  
 Universities, 5, 4%

Sports	AAF
Athletics	49
Cycling	14
Equestrian	9
Bodybuilding	8
Swimming	7
Canoe/Kayak	6
Boxing	4
Wrestling	4
Weightlifting	3
Triathlon	3
Others	9

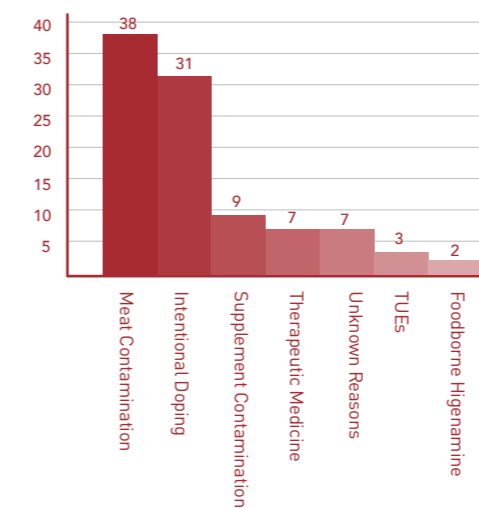
Other sports and disciplines include short track speed skating, rowing, taekwondo, wushu, volleyball, table tennis, dragon boating, fin swimming and speed racing.

## Prohibited Substance Distribution

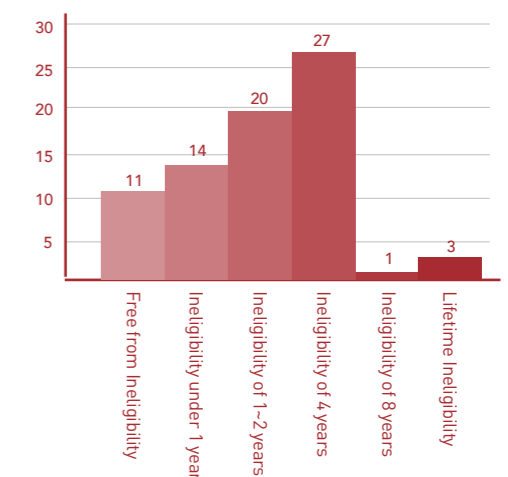
Prohibited Substance	Including	Number
S1 Protein Assimilation Preparation	Steroid	27
	Clenbuterol	38
	Other	1
S2 Peptide Hormone	Exogenous Erythropoietin	7
S3 $\beta$ -agonist	Norvaline	4
	Salbutamol	
	Tulobuterol	
S4 Hormone and Metabolic Regulator	Ammonium	1
	Furosemide	16
Hydrochlorothiazide		
S5 Diuretic	Triamterene	
	Probenecid	
	Canrenone	
	Indapamide	
	1,3-dimethylbutylamine	
S6 Stimulating Agent	Octylamine	8
	Strychnine	
	Prednisone	
S9 Glucocorticoids	Prednisolone	4

There were 106 AAF samples (excluding 10 horses), involving seven categories of prohibited substances in the 2018 Prohibited List.

## Reasons of AAF Tests

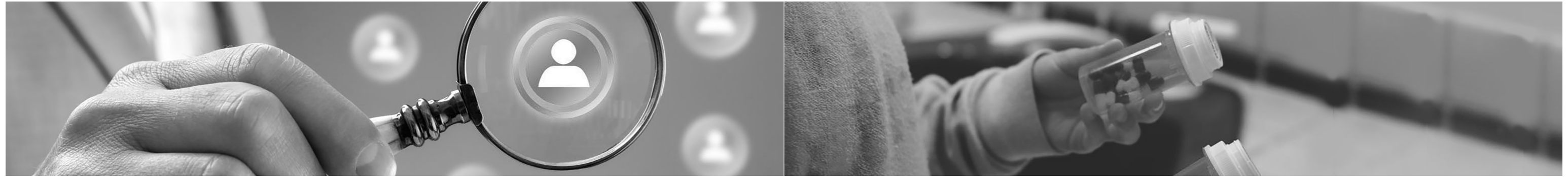


## Results Management



## ADRVs other than AAFs

1 case in ABP, 1 case in evading test, 1 case in failed sample collection, 1 case in violation of the prohibition against participation during ineligibility.



## 09. Investigations and Hearings

### 1 Investigations

Directly investigating 8 major and complicated cases, making 55 surveys, arraigning witnesses for 20 times, collecting nearly 30 kinds of drugs and supplements, forming 4 reports and requesting documents, and helping to sort out 321 copies of doping control forms

Collecting, compiling and identifying the photos of 8 people, and collecting a large number of audiovisual materials

Playing out the laboratory's scientific support, cooperating with the Food and Drug Analysis Dept. to get nearly 30 drugs and supplements and more than 40 meat products analyzed

### 2 ABPs

Monitoring the ABP information, handling 656 cases of abnormal information, including 70 for blood module and 586 for steroid module

Requiring laboratory's further analysis on 77 samples, and confirming several athletes of high risk through ABP monitoring, with 1 ADRV confirmed

### 3 Hearings

16 hearing cases (Explanations of athletes were basically or partially accepted for 12 times, not accepted for 4 times.)

Checking the evidence strictly, ensuring the legitimacy of processing procedure and the authenticity of the results

Giving a ruling fairly and justly, protecting the legitimate rights and interests of athletes

### 4 Handle Whereabouts Failure

Investigating in the 107 cases which athletes fail to take doping tests in time. 63 cases of whereabouts failure, 56 people were given warning once, 6 people twice, and 1 ADRV confirmed.

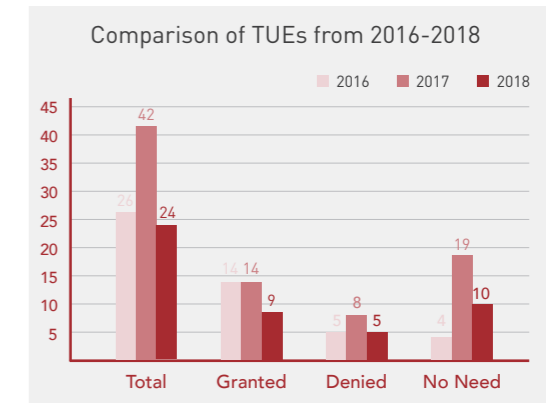
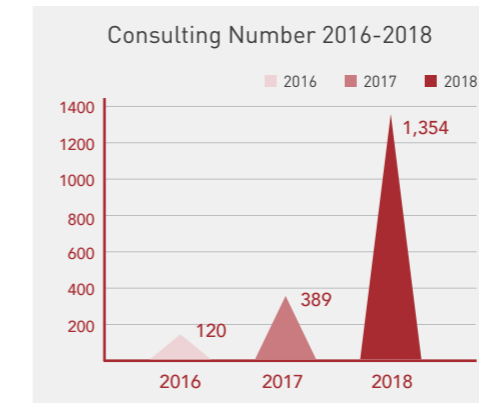
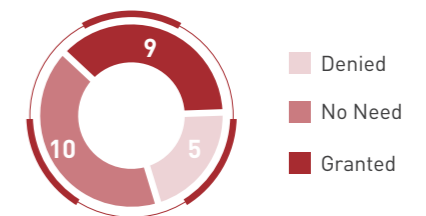
#### Change of Hearing Mode



## 10. TUE

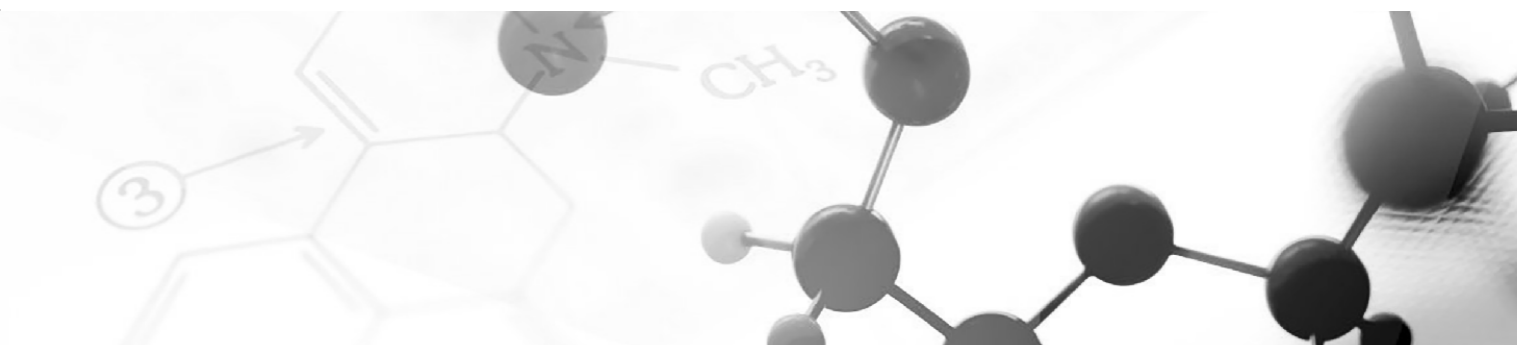
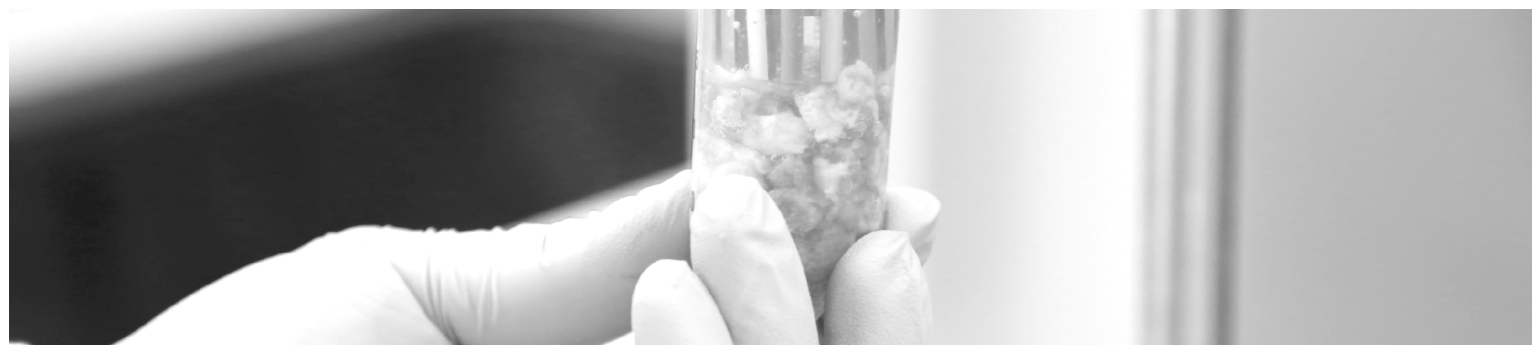
TUE Committee handled medication use consultations 1,354 times, and 24 TUE applications. 9 granted.

2018 TUE Granted and Denied



#### Types of Granted Substances

Types	Substance	Total
S4. Hormone and metabolism regulator	Insulin	2
S5. Diuretic and masking agent	Hydroxyethyl starch	3
	Dexamethasone acetate	1
S9. Glucocorticoids	Triamcinolone	1
	Prednisone acetate	2



## II. Analysis on Food and Supplements

Analysis of Meat Sampling in Market 2018

Cities	Total	AAF Samples	Positive Result Rate
11	330	43	13%

Data of Meat Analyzed in 2018

Samples from	Total	AAF Samples	Positive Result Rate
National Training Bases	1,518	15	1%
Provincial and Municipal Units	811	8	1%
Samples Analysis Assisting Investigation	42	9	21%
<b>2018 Total</b>	<b>2,371</b>	<b>32</b>	<b>1%</b>

Data of Supplements in 2018

Samples from	Total	AAF Samples	Positive Result Rate
China Sport Science Society	126	20	5%
Products in Market	231		
Products Applied to State Administration of Market Regulation	41		
Special Samples	2		
Investigating Samples	22	8	36%
<b>2018 Total</b>	<b>422</b>	<b>28</b>	<b>6.64%</b>

## 12. Scientific Research

Papers on Core Journals

Title	Authors	Journals	Impact Factors
Follow-up Investigation of Two rhEPO AAF Cases—Comparison of Erythropoietin Electrophoretic Migration Behavior between Urine and Blood	Zhou Xinmiao	Recent Advances in Doping Analysis(25) 2017, P18-24 (Published in 2018)	
Detection of Higenamine by LC-MS/MS Method, and Some Relevant Study Progress	Yan Kuan	Recent Advances in Doping Analysis(25) 2017, P56-59 (Published in 2018)	
Study on the Determination of Desmopressin and its Elimination in Human Urine by LC-MS/MS	Yan Kuan	Journal of Instrumental Analysis Aug,2018 Vol.37 No.8 950-954	
Detection of Nine WADA Prohibited GHRPs and GHS Using the HPLC-MS/MS Method and Their Stability in Human Urine	Shen Li	Chinese Journal of Sports Medicine 2018, 5th Issue CNKI:SUN:YDYX.0.2018-05-010	
Doping Control Analysis of 13 Steroids and Structural-like Analytes in Human Urine Using Quadrupole-Orbitrap LC-MS/MS with Parallel Reaction Monitoring (PRM) Mode	Lu Jianghai	Steroids 2018 Mar;131:1-6	2.557
Structurally Diverse Cytotoxic Dimeric Chalcones from <i>Oxytropis chiliophylla</i>	Lu Jianghai	J Nat Prod 2018 Feb 23;81(2):307-315.	3.885

## Research Projects assumed by CHINADA 2018

Title	Resource	Start	Complete	Participants
Improvement of Mass Spectrometry Detection Method for Insulin, insulin-like Growth Factor and Growth Hormone Releasing Hormone in WADA Prohibited Macromolecular Substances	CHINADA	2018/1/1	2019/12/31	Shen Li, He Chunji, Wang Zhanliang, Zhang Lisi, Zhou Xinmiao, He Sen, Wu Yun, Yang Zhiyong
Comparative Study on Detection Efficiency of Erythropoietin	CHINADA	2018/1/1	2019/12/31	Zhou Xinmiao, 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	CHINADA	2018/1/1	2019/3/30	Wen Chao, Liu Xin
Optimization and Improvement of Confirmation Method for LC-MS/MS Detection of Exogenous Anabolic Agents	CHINADA	2018/1/1	2019/3/30	Jing Jing, Yang Sheng, Wang Shan, Liu Xin, Deng Jing, Zhang Yumei
High-throughput Initial Testing and Specific Confirmation Method for LC-MS Detection of Doping in Urine Samples	CHINADA	2018/1/1	2019/4/30	Wang Zhanliang, He Genye, Yan Kuan, Wu Yun, Chang Wei, Liu Yunxi
Research on the Best Implementation Model of Anti-Doping Outreach Education in China	CHINADA	2018/1	2019/12	Xie Li, Yu Junhai, Zhang Huiying, Zhang Chun, Zhang Jian, Li Keke
Research on the Sample Retesting of IOC in Recent Olympic Games	CHINADA	2018/1	2019/12/31	Qiu Xianting, Wu Moutian, Yan Qingping, Liu Xueqi
Retrospective Statistical Study of Athlete Bio-passport Data (Blood Module)	CHINADA	2018/1	2019/12	Zhuang Junling, Luan Zhaoqian, Zhou Xinmiao, Wu Moutian, Wen Hongtao
Study on Risk Assessment Methods of Athletes Using Traditional Chinese Medicine Preparations	CHINADA	2018/1	2019/6	Chen Xiaoxiong, Zhang Runyun, Wang Xinzhai, Luan Zhaoqian, Xu Youxuan, Zhan Hui, Wang Fei, Ni Long, Yuan Xiaoli
Investigation and Countermeasure on the Case of Higenamine Positive	General Administration of Sport of China	2016/11	2019/12	Wang Xinzhai, Luan Zhaoqian, Cheng Yao, Xu Youxuan, He Chunnian, Liu Haibo, Ma Guochuan, Han Zhaoqi, Yang Ming
Effect of Endogenous Steroids Containing Traditional Chinese Medicine on Doping Control	WADA	2015/12	2019/12	Wang Jingzhu, Liu Xin
Longitudinal Analysis of Endogenous Steroid Detection Indicators applied to Target Testing	WADA	2015/4	2018/12	Zhou Xinmiao, Yang Xiaoye, Liu Xin, Liu Xueqi



## 13. 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.

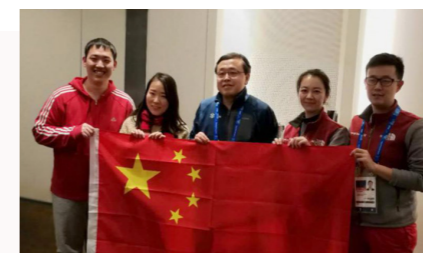






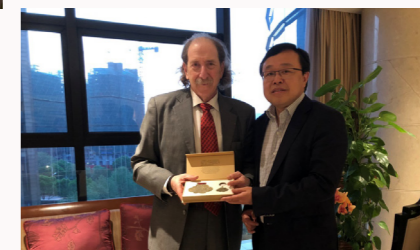
# 14. International Communication and Cooperation

The 2nd WADA Global Education Conference was held successfully on October 24-25 in Beijing, issuing "Beijing Declaration"



CHINADA Participating in 2018 Pyeongchang Winter Olympics, February

Meeting with Anti-Doping Commission Chairman of IWF on 10, April



Director of IOC Medical and Scientific Commission visiting CHINADA on 20, April



CEO of ADNO visiting China in June, meeting with CHINADA on bilateral cooperation



CHINADA and Zimbabwe Olympic Committee signing Anti-Doping Education Cooperation MOU on September 26-28



CHINADA and SARADO signing Anti-Doping Education Cooperation MOU in October



DPR Korea Sports Delegation visiting CHINADA in December