





KOREA
ANTI-DOPING
AGENCY

2020
ANNUAL
REPORT

Foreword	02
The New Face of KADA	05
Snapshots of 2020	06
Major Businesses and Achievements in 2020	10



Message from the
President

“We are your reliable sponsor to highlight the true values.”

The COVID-19 placed sports industry into a crisis in the year of 2020. I am grateful for those who are associated with our organization's anti-doping effort to fight for the actual values of sports during these difficult times.

Korea Anti-Doping Agency spent last year with COVID-19 as an opportunity to review and better our organization's overall anti-doping business as well as organizational stability. Our organization completed a total update on Korea Anti-Doping Rules in accordance with the most recent version of 2021 World Anti-Doping Code, increased the effectiveness of doping tests by quality improvement, and raised awareness about anti-doping by using a variety of educational resources. Especially, we set up the ground to provide personalized education for target groups by launching anti-doping education center for medical personnel. We expanded the base of anti-doping by running several public service announcement campaigns several public service announcement campaigns for everyone in the Republic of Korea.

As for the international cooperative effort, KADA switched its annual International Anti-Doping Seminar for Asian and Oceania into webinar, allowing more groups to join and make their voices heard. We also successfully served as a Board to the World Anti-Doping Agency as we used various online media to host virtual meetings with developing countries to extend anti-doping support and other types of aids.

The ways of doping have become more diverse and sophisticated recently. Responding to such a rapidly changing scene of doping, KADA is consistently working with related agencies, including the Ministry of Food and Drug Safety, Customs, Police and other offices to detect nonanalytical anti-doping rule violations. We expect our work shifts the paradigm of anti-doping activities to create safer sports environment because we believe this challenging time was a valuable opportunity to make a new leap forward.

I appreciate once again as many of you stood by us last year to help us grow and take our organization's professionalism to the higher ground despite of all the obstacles, yet I ask for your continued attention and support.

I hope our nation recovers from COVID-19 as soon as possible to allow everybody return to enjoy playing sports.

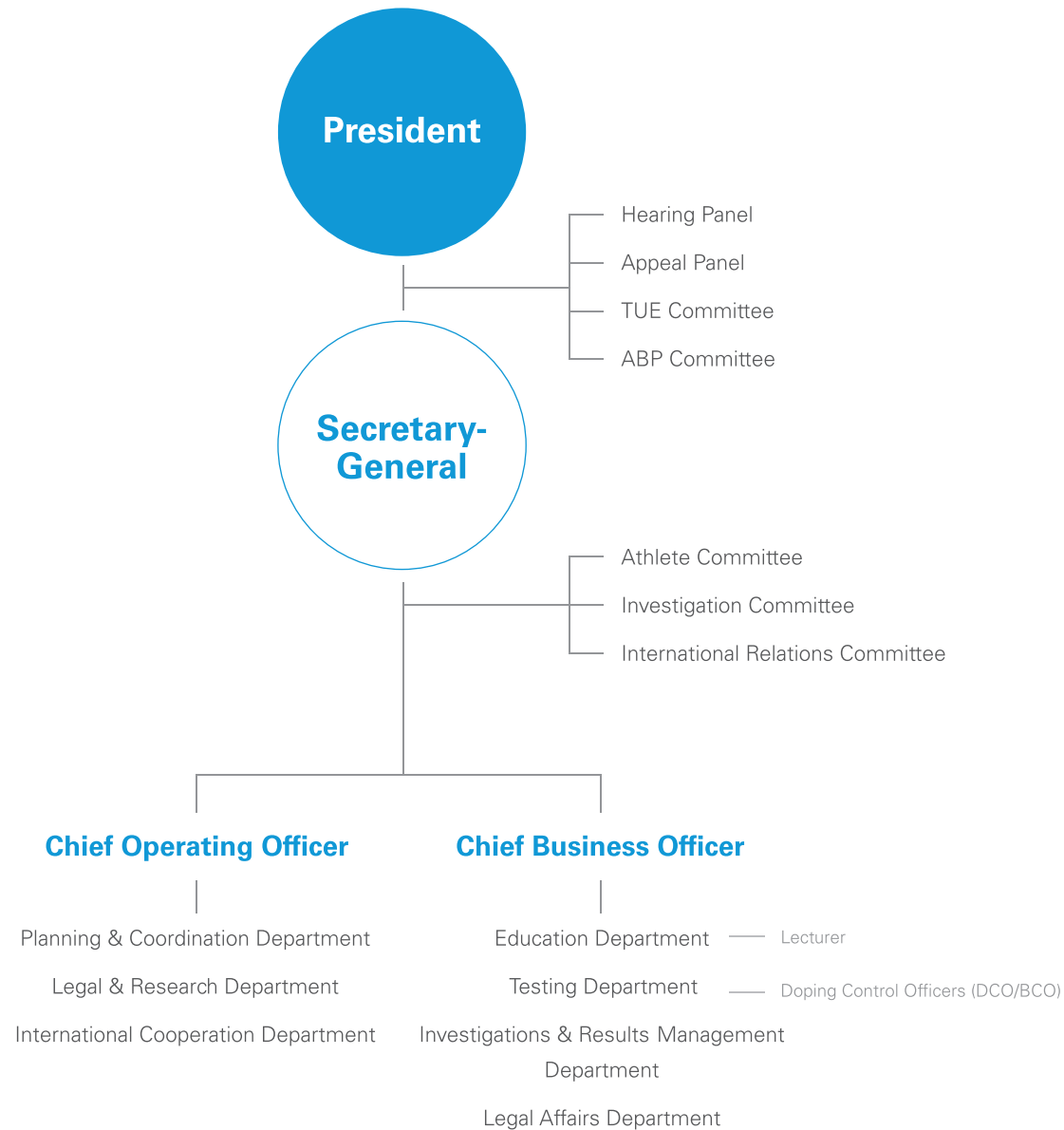
July 2021

President of Korea Anti-Doping Agency

Lee Young-Hee

People Making Changes

KADA Organizational Chart



The New Face of KADA

In the refashioning year of 2020,
We updated our CI, the face of KADA.



+

The new CI represents national anti-doping agency as it visualizes Korea's traditional papercraft play, Jog le Jup Gi, with the colors of Taeguk.

Snapshots of 2020

Closing Balance (Income and expense)

*Unit: 1,000 KRW

Korea Sports Promotion Fund

6,676,000

KADA Operation Cost

2,629,000

Business Cost for Anti-doping activities

4,047,000



Korea Sports Promotion Fund

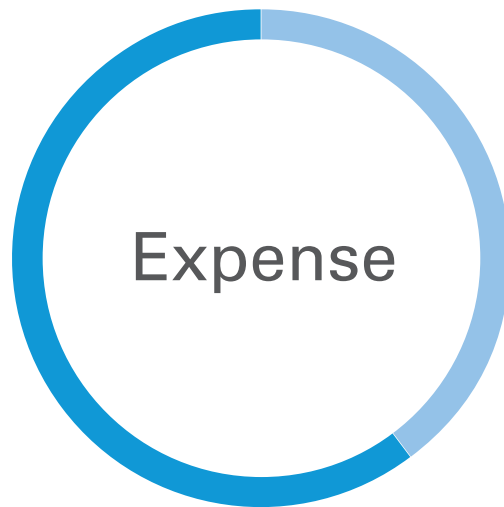
6,560,099

KADA Operation Cost

2,615,159

Business Cost for Anti-Doping Activities

3,944,940



12 Months in Review

January

- 1. 13. The Personal Information Protection Commission enabled the Ministry of Food and Drug Safety to provide information on athletes who purchase illegal drugs.

July

- 7. 1. Launched paperless doping tests
- 7. 10. Trained new anti-doping lecturers
- 7. 27. Re-acquired the certification of ISO9001:2015

February

- 2. 6. Approval of the anti-doping activity business plan and budget for 2020
- 2. 19. MOU between KADA and Korea National Sport University
- 2. 25. MOU between KADA and Korea Institute of Science and Technology (KIST)
- 2. 26. The 1st foundation board Meeting (to close balance, etc.)

August

- 8. 13. Visited by Choi Yun-hui, 2nd Vice Minister of Culture, Sports and Tourism

March

Instituting measures against COVID-19

September

- 9. 4. Developed sports anti-doping mascot

April

- 4. 1. Launched the Korea Anti-Doping Rule Taskforce team
- 4. 27. The 1st provisional foundation board Meeting (to appoint board members, etc.)

October

- 10. 2. MOU between KADA and Korean Paralympic Committee (KPC)
- 10. 6. MOU between KADA and International Esports Federation
- 10. 17. Hosted workshops for DCOs
- 10. 24. Provided continuing education for anti-doping education and promotion instructors

May

- 5. 14. MOU between KADA and World Martial Arts Masterships Committee
- 5. 14. MOU between KADA and Sport Integrity Australia
- 5. 19. Appointed Professor Lee Jeong-yeon as a new board member

November

- 10. 29.-11. 7. Provided regular reeducation for DCOs
- 11. 3. Hosted KADA's Asia & Oceania International Webinar
- 11. 20. MOU between KADA and Korea Pharmaceutical Information Center

June

- 6. 4. MOU for anti-doping between the Ministry of Culture, Sports and Tourism and the Ministry of Food and Drug Safety
- 6. 5. MOU between KADA and Korean Sport & Olympic Committee (KSOC)
- 6. 11. MOU between KADA and Korea Professional Sports Association
- 6. 23. MOU between KADA and Bhutan Anti-Doping Committee
- 6. 23. Updated the KADA CI

December

- 12. 10. Hosted the Korea-China-Japan anti-doping agency meeting
- 12. 18. The 2nd foundation board Meeting (to amend articles, etc.)
- 12. 31. Approved to amend the Korea Anti-Doping Rules

Anti-Doping Activities of 2020 in Numbers

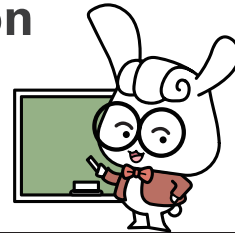


Major Activities and Achievements in 2020

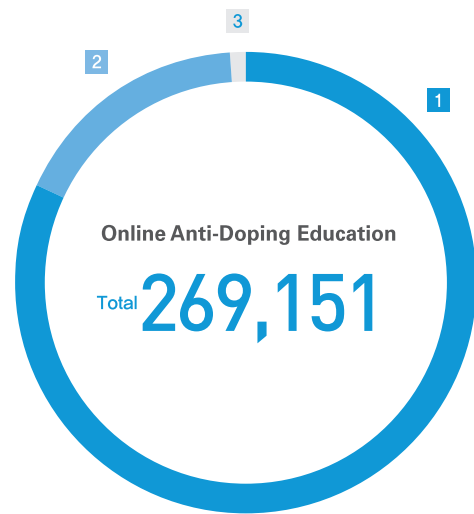
01 Expansion of anti-doping education

Anti-doping Education for Each Target Group

Total **272,530**

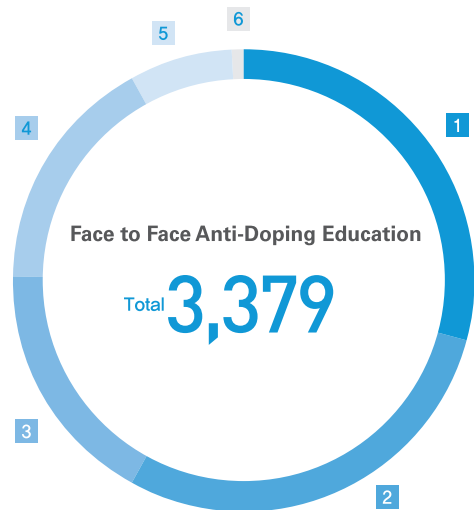


*Unit: participants



- 1 athletes and coaches **221,172**
- 2 student athletes **45,634**
- 3 professional athletes **2,345**

* 46% increase compared to the last year's data (183,456 people in 2019)



- 1 professional athletes **991**
- 2 others (coaches, staffs, etc.) **980**
- 3 national athletes **582**
- 4 student athletes **559**
- 5 student athletes from sport-specialized middle or high schools **246**
- 6 national athlete candidates **21**

*Number of anti-doping education participants provided by other national anti-doping organizations (as of 2019 and 2020)
Australia: **42,247** / United States: **38,515** / Canada: **33,864**

Anti-doping Education and Promotion Lecturer Training and Management

Number of Lecturer assignments in 2020



Number of Lecturers in 2020



Anti-doping instructor training

- As KADA's face to face education witnessed rapidly soaring demand with increased number of participants (**24,518** in 2108 → **42,316** in 2019), our organization trained extra lecturers who are professional in anti-doping education and promotion.
- KADA newly appointed **18** lecturers after training, final performance assessment, and mock class evaluation. (**47** lecturers in 2019 → **65** lecturers in 2020)

02 Improving Anti-Doping Promotion Campaigns

Outreach Activities

Total 3 times



*As KADA had to reduce Outreach programs with the cancellation of sports competitions due to COVID-19, it sent out anti-doping leaflets to KSOC-registered Athletes and their coaches and parents (54,664 in total).

Anti-Doping Public Service Announcement Campaigns

- Background**
- The demands of the public service announcement campaign arose as doping rose as a social issue with some athletes' doping confessions, doping scandals at private baseball schools, and other mishaps.
 - As the vast majority of 2020 sporting events were either cancelled or postponed due to the COVID-19 pandemic.

Campaign Period November - December

Diversification of Media Outlets

Media Outlet	Performance	Picture
TV (Terrestrial TV networks and IPTV)	<ul style="list-style-type: none"> • (Terrestrial TV networks) 2.5 times of advertisement exposure on average to the 36.2% of the age group of 20 years old to 64 years old who reside in Seoul and the Metropolitan area • (IPTV) 832,024 times of exposure on average 	
Digital media (YouTube, Online Banner Advertisements, etc.)	<ul style="list-style-type: none"> • 23,351,120 times of exposure on average 	
Outside Billboard	<ul style="list-style-type: none"> • (Gangnam-daero) 25 days in total (more than 80 times featured each day) • (Seoul Shinmun building) 31 days in total (more than 96 times featured each day) 	
Transportation	<ul style="list-style-type: none"> • (Subway) 5 screen door units in Samsung, Seolleung, and other stations on Line 2 • (Bus) 16 buses operating outside of downtown Seoul 	
Golf Driving Range	<ul style="list-style-type: none"> • 27 media units in 14 golf driving ranges in the metropolitan area for 31 days in total (7,646 times featured each day) 	

Character Design Contest for Anti-Doping

Background · To expand athletes and other interests' participation in anti-doping activities through the contest
 · To create a novel character and utilize it for various promotional items

Total participants (General Public Group) **70 contestants from 68 teams,**
 (Student Group) **22 contestants from 22 teams**

Contest Result

Grand Prize **TonTon**

TonTon is a healthy and robust rabbit. TonTon runs for fun. When TonTon was a young kid, he was deeply impressed by the story of the rabbit and the turtle, thinking highly of living a cheating-free life. TonTon swore himself not to commit shameful behavior. In his glasses, TonTon watches out for people in case anyone turns into the wrong ways. TonTon is always about his promises in passion despite his cute look. Sometimes his ears may resemble hand gestures making promises. (TonTon's ears are designed after the figure of hands making promises. Fair competition and play without doping starts from everybody's commitment!)



Gold Prize of General Public Group **Kadie(KADA+SHIELD)**

KADIE is an anti-doping mascot created after the shapes of shield and test tube. The KADA symbol above his head is a silhouette of sprout that signifies the bright future of fair sports competition. Still, his body in the test tube will turn red if it detects any prohibited substances. The character's name, KADIE, is a combination of KADA and Shield, which means to safeguard athletes and spectators. KADIE works as the guardian angel to protect athletes from doping and to secure a fair sports environment.



Gold Prize of Student Group **Purity**

Purity is a mascot to represent anti-doping in sports. The KADA symbol inspired this character. Purity has a character on her head and medal, representing her sound health from enjoying doping-free sports. Purity is brought to the world thanks to honesty and fairness. Always with a big smile on her face, Purity is kind to everybody to explain why they should avoid sports doping. With her clear and honest personality, Purity believes in the value of fairness. Her name, Purity, implies integrity and fairness.



03 Athlete Survey About Anti-Doping

Mission The mission is to face the current status of anti-doping activities and configure future direction by learning about the reality of doping from athletes, coaches, parents, and amateur athletes

Survey Period September 28 – October 31

Survey Subjects KSOC-registered athletes (elementary/middle/high school and college students in the general level), KPC-registered athletes, professional athletes, medical practitioners, athlete support personnels, athletes' parents, and sport club members

Sample Size **12,000 respondents**

Main Results

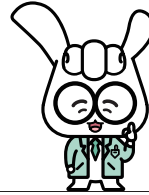
- An average of **16.9%** of the respondents answered that they had the experience of using prohibited substances. About the use of banned substances to improve performance, **32.2%** gave an affirmative response. These figures alert relevant officials to keep an eye on this issue.
- It exhibits high records that **64.7%** and **34.8%** of the sport club members admitted the usage of health supplements or prohibited substances, but their awareness about prohibited substances in OTC medication is low at **35.9%**, and their anti-doping education experience is low as well at **14.1%**
- Parents may be prone to recommend taking health supplements and supplements to their children, student-athletes. The survey results indicated their low awareness of the possibility that over-the-counter drugs might contain prohibited ingredients.

Doping Experience and Awareness by Stakeholder

Doping awareness and experience		Athletes							C	Pa	SP	MP
		E	M	H	C	N	P	D				
Use Rate	Health supplements use rate	▼	▼	–	▲	▲	▲	▼	▲	▲	▼	
	Prohibited substance use rate	▼	▼	▼	–	–	▼	▲	▲	–	–	
Doping Awareness (Information/Knowledge)	Prohibited substance use rate	▼	▲	–	–	▼	▼	▼	▼	▼	▼	
	Anti-doping awareness	▼	–	–	▲	▲	▲	▲	▼	▼	▲	▼
Anti-doping education experience rate		▼	▲	▲	–	▲	▲	▲	▼	▼	▲	▼
		Lacking awareness							High risk doping group		Lacking awareness	

NOTE: E=elementary school student athletes / M=middle school student athletes / H=high school student athletes / C=college student athletes / N=non-professional athletes / P=professional athletes / D=disabled athletes / C=club members / Pa= parents / SP= support personnel / MP= medical practitioners

04 Introducing an Anti-Doping Education Center for Medical Personnel



- Background** To set up a preventive system to keep anti-doping in advance by educating and certifying healthcare workers responsible for guiding prescription to the patients so that athletes may avoid anti-doping rule violation
- Main Activities** **Designing education curriculum** available to install anti-doping certification system for healthcare workers
- Domestic and international research references, case studies, surveys, hosting of professional discussion about the subject
 - Collaboration with related agencies to provide adequate education
 - (Korea Society of Sports Medicine) Receiving academic advice from the Korea Society of Sports Medicine's research committee and hosting of the joint academic event with specialty doctors
 - (Korean Pharmaceutical Association) Producing educational resources for pharmacists, and publishing online education sessions on the Korean Pharmaceutical Association's website

Education Curriculum

Regular courses

150 minutes / 10 sessions

- Understanding Anti-Doping
- Prohibited List of Prohibited Substances 1,2
- Therapeutic Use Exemption (TUE) 1,2
- Pharmacists and Anti-Doping
- Dentists and Anti-Doping
- Korean Medicine Doctor and Anti-Doping
- Guideline for using Dietary Supplement
- Results Management (Penalty)

Advance Courses

250 minutes / 14 sessions

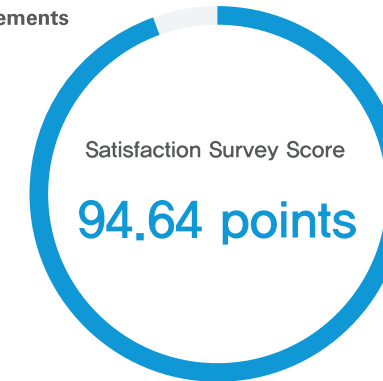
- Introduction of Anti-Doping
- Athlete Interviews
- International Standard of Prohibited Substances 1,2
- Therapeutic Use Exemption (TUE) 1,2
- Musculoskeletal Disorders
- Pain Management
- Diabetes
- ADHD
- Cardiovascular Diseases
- Growth Hormone
- Asthma
- Post TUE and Major International Competitions

05 International Anti-Doping Partnership

International Anti-Doping Seminar (Webinar) for Asia & Oceania

- Background** To lead anti-doping program in Asia and Oceania regions by sharing practical information to stakeholders
- Theme** How to improve anti-doping program through data collection
- Date, Time & Location** 11. 3. (Tue). 13:00 - 16:00 / Seoul Olympic Parktel
- Participants** **157 participants from 57 countries**

Major Achievements



Participant group photo



WADA President's Congratulatory Remark

NADO Executive Meeting for Korea, China, and Japan (Online)



Background

- To improve the partnership between the Republic of Korea, China, and Japan and to exchange the most up-to-date anti-doping information inside NADO.
- KADA hosts the meeting in 2020 to follow the NADO's regular meeting schedule (once a year) between Korea, China, and Japan
- *(1st meeting in Beijing, China in 2019)

Date and Time 12. 10. (Thur) 14:00 – 17:00 (KST)

Participants **20 participants** including each country's executives

Major Agendas

- Staff and DCO assignment to the international competitions
- Discussion about revision of codes and international standards.
- Discussion about anti-doping program with COVID-19 pandemic

Total **15** cases



International Anti-Doping Webinar

KADA attended many international anti-doping webinars to learn and exchange the latest anti-doping information, as many events are prepared online during the COVID-19.

Host	Date	Subject
World Anti-Doping Agency (WADA)	10.2. (Fri)	Athletes' anti-doping rights act
	8. 21. (Fri)	Major changes in World Anti-Doping Code 2021
	7. 29. (Wed)	Result management
	7. 23. (Thurs)	Cyber security
	7. 15. (Wed)	Dried Blood Spot Testing
	7. 3. (Fri)	COVID-19 and Clean Sports
	6. 22. (Mon)	Therapeutic Use Exemption (TUE)
	6. 11. (Wed)	Risk assessment and test distribution plan (TDP)
	6. 3. (Wed)	International standards for education (ISE)
	International Testing Agency (ITA)	6. 30. (Tue)
6. 16. (Tue)		Therapeutic use exemption (TUE)
6. 2. (Tue)		Anti-doping education
Institute of National Anti-Doping Organizations (iNADO)	8. 31. (Mon)	Court of Arbitration for Sports (CAS)
	7. 8. (Wed)	Health supplements
	7. 2. (Thurs)	Paperless testing



Cooperation Agreements with International Organizations

Total **4** cases



International Testing Agency

Cooperation agreement to conduct doping test and share information (5.11.)



Australian Anti-Doping Agency

Cooperation agreement to conduct doping test and share information (5.14.)



Bhutanese Anti-Doping Agency

Cooperation Agreement to support anti-doping program development (6.25.)



International Esports Federation

Comply with World Anti-Doping Code and support anti-doping program development (10.6.)

Research for mid to long term international cooperations development

Mission The goal is to monitor and stimulate mid to long-term international relations development with the newly launched KADA's international cooperations department in 2020.

Research Period 9. 18. (Fri) to 12. 17. (Thurs)

Main Agendas Inducing **4** strategic tasks and **9** action tasks for mid-/long-term development of international cooperation

Strategic Assignments

Expansion of international meeting operation and participation

Executions

- Expansion of participating countries and searching for international meeting agendas
- Proactively attending international anti-doping seminars and discussions

Strengthen International Relations

- Research about international relations policy trends and benchmarking of leading agencies
- Raising international relations professionals
- Supporting researches in the anti-doping field

Expansion of partnership with international organizations

- Broadening network with international anti-doping organizations (NADO/RADO)
- Participating in international competitions and collaborating with international organizations

Stronger partnership with international anti-doping organizations

- Expansion of human network with international anti-doping organizations (WADA, NADO)
- More joint campaigns with international organizations for anti-doping

06 Update on the Korea Anti-Doping Rules



Updating on the Korea Anti-Doping Rules after 6 years with the revision of World Anti-Doping Code released in 2021. (After 6 years since 2014)

- Operation of taskforce team which is made up of anti-doping code experts. (20.4. ~12.)

Working to improve effectiveness of the revised rules through working together with related agencies

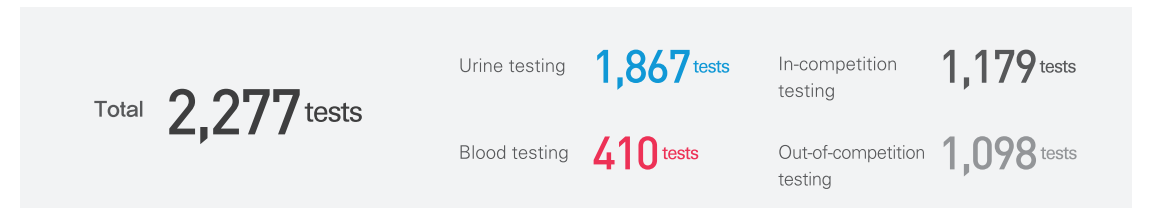
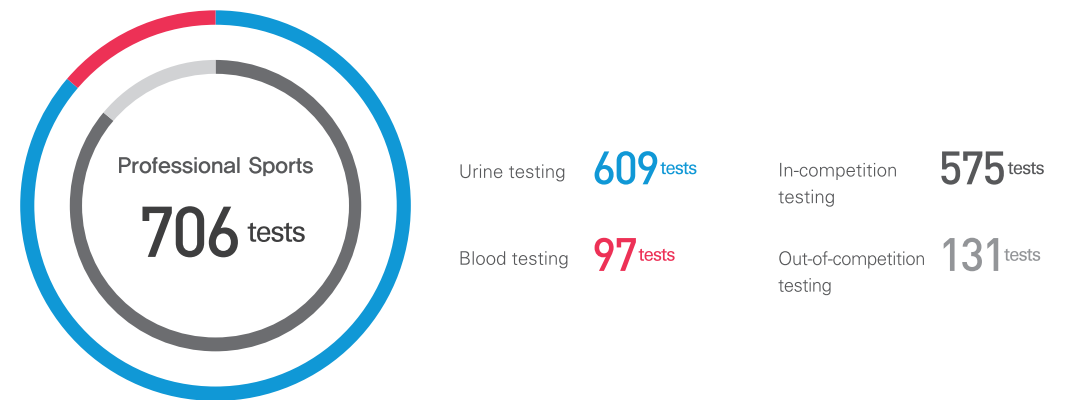
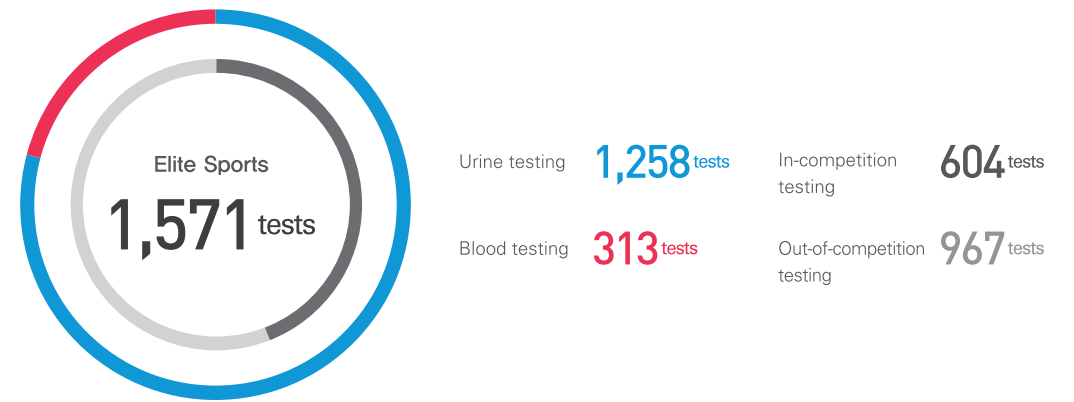
- Working to improve effectiveness of the revised anti-doping rules through working together with KSOC and KPC
- Listening to the feedbacks and giving anti-doping rule guidance through meetings with KSOC and KPC.

07 Effective management of Testing Program



Total **2,777** tests

Test Numbers by Categories



Testing Numbers by Sport

Sport	Urine	Blood	Total	In-competition	Out-of-competition
Golf	10	0	10	6	4
Modern Pentathlon	11	0	11	0	11
Basketball	20	2	22	9	13
Rugby Union	24	6	30	9	21
Wrestling	74	14	88	32	56
Roller Sports	9	10	19	0	19
Biathlon	34	15	49	16	33
Volleyball	16	0	16	7	9
Badminton	10	2	12	4	8
Bodybuilding	16	11	27	14	13
Boxing	18	4	22	2	20
Bobsleigh and Skeleton	20	4	24	18	6
Skating	102	35	137	67	70
Shooting	16	2	18	0	18
Ice Climbing	2	0	2	2	0
Sport Climbing	9	0	9	0	9
Softball	4	1	5	0	5
Aquatics	58	21	79	0	79
Underwater Sports	4	0	4	0	4
Skiing	149	33	182	85	97
Ice Hockey	30	7	37	30	7
Baseball	20	2	22	15	7
Archery	11	0	11	0	11
Weightlifting	47	12	59	30	29
Sailing	26	0	26	8	18
Judo	7	2	9	0	9
Athletics	132	30	162	70	92



Sport	Urine	Blood	Total	In-competition	Out-of-competition
Cycling	87	40	127	50	77
Soft Tennis	14	0	14	14	0
Rowing	24	11	35	0	35
Triathlon	7	8	15	0	15
Gymnastics	52	6	58	14	44
Football	10	2	12	4	8
Canoe/Kayak	55	15	70	34	36
Curling	22	0	22	20	2
Table Tennis	13	1	14	0	14
Taekwondo	13	3	16	0	16
Tennis	4	0	4	0	4
Fencing	12	0	12	0	12
Field Hockey	14	4	18	11	7
Handball	12	1	13	7	9
Para-Biathlon	3	1	4	4	0
Para-Swimming	3	0	3	0	3
Para-Nordic Skiing	8	2	10	10	0
Para-Alpine Skiing	3	0	3	3	0
Para-Ice Hockey	12	2	14	9	5
Para-Powerlifting	3	1	4	0	4
Para-Athletics	8	3	11	0	11
Professional Golf	43	0	43	43	0
Professional Basketball	110	11	121	89	32
Professional Volleyball	84	8	92	71	21
Professional Baseball	209	49	258	236	22
Professional Football	163	29	192	136	56
Total	1,867	410	2,277	1,179	1,098

Registered Testing Pool (RTP) Management

Registered Testing Pool (RTP) is applicable to the national top athletes who are highly prioritized for applying KADA's doping control program. They are required to provide their up-to-date whereabouts into the Anti-doping Administration & Management System (ADAMS) and are subject to at least three out-of-competition testing a year.

*Selection Criteria for RTP athletes: Sports physiological factor, athlete biological parameters, test history, athlete performance, intelligence, and etc.

RTP **135** Athletes, Total tests **738** tests

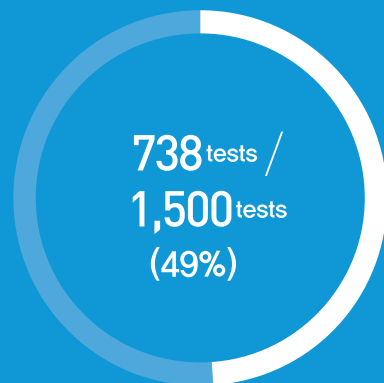
Whereabouts Failures **41** cases

Golf	1 case	Boxing	1 case	Skiing	2 cases	Triathlon	2 cases
Rugby Union	1 case	Skating	4 cases	Baseball	1 case	Football	1 case
Wrestling	5 cases	Shooting	1 case	Sailing	1 case	Canoe/Kayak	4 cases
Roller Sports	2 cases	Sport Climbing	1 case	Athletics	2 cases	Curling	1 case
Bodybuilding	1 case	Aquatics	5 cases	Cycling	4 cases	Fencing	1 case

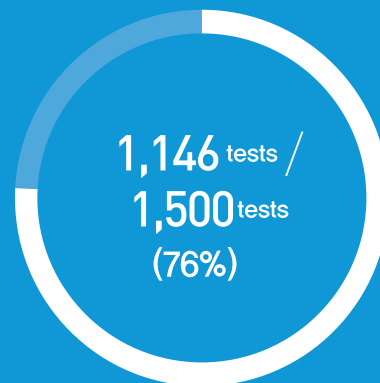
Athletes who are in RTP and sports/disciplines having a high risk of doping based on the risk assessment (e.g. Athletics, Aquatics, Cycling, and Skating) during the Covid-19 pandemic.

Status

Number of tests for RTP athletes / Total number of tests

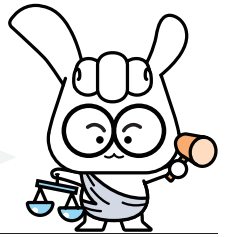


Number of tests for high-risk sports / Total number of tests



Anti-doping rule violation cases

Total **25** tests



Anti-doping rule violation cases by categories

Elite Sports (unit :case)

Bodybuilding	6	Weightlifting	2	Taekwondo	1
Aquatics	2	Canoe/Kayak	2	Fencing	1
Skiing	2	Rugby	1	Para-Athletics	2
Baseball	2	Athletics	1	Para-Archery	1

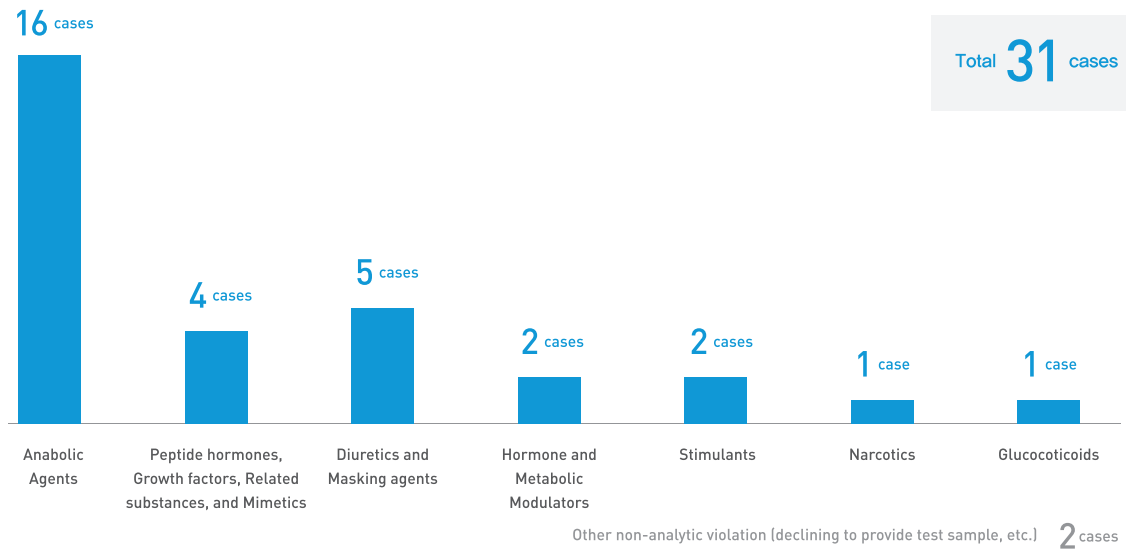
Professional Sports (unit :case)

Professional Golf	2
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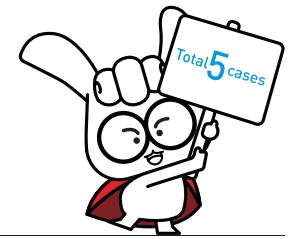
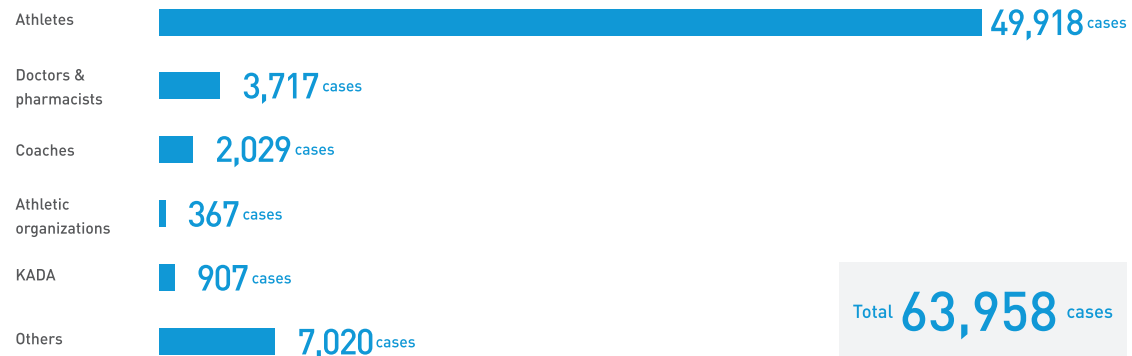
Anti-doping rule violation cases by age group



Anti-Doping Rule Violations by Prohibited Substance



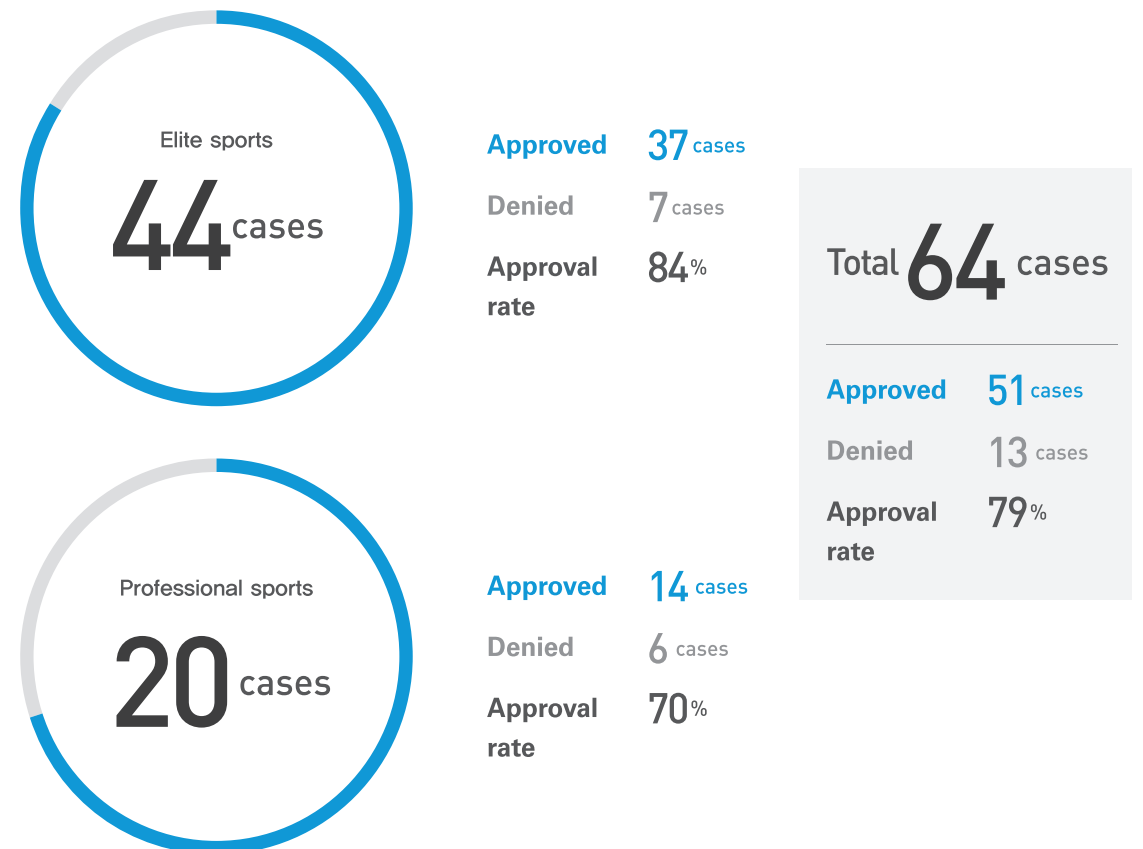
Prohibited Substances Search Engine Use Report*



Appeal Cases for Anti-Doping Rule Violations

Appeal Date	Sport	Prohibited Substance/Violation	Hearing Panel's Original Decision	Decision on Appeal
2.18. (Tue)	Fencing (1 case)	S5. Canrenone	20 month-suspension	16 month-suspension
5. 21. (Thurs)	Ski (2 cases)	S2. Somatropin	2 year-suspension	12 month-suspension
8. 6. (Thurs)	Rugby (1 case)	3 whereabouts failures within a 12-month period by a RTP athlete	18 month-suspension	16 month-suspension
10. 29. (Thurs)	Baseball (1 case)	Possession of prohibited substances (S1.1 Stanozolol and S1.2 Clenbuterol)	4 year-suspension	Denied (confirming the original decision)

Therapeutic Use Exemption Case Reviews

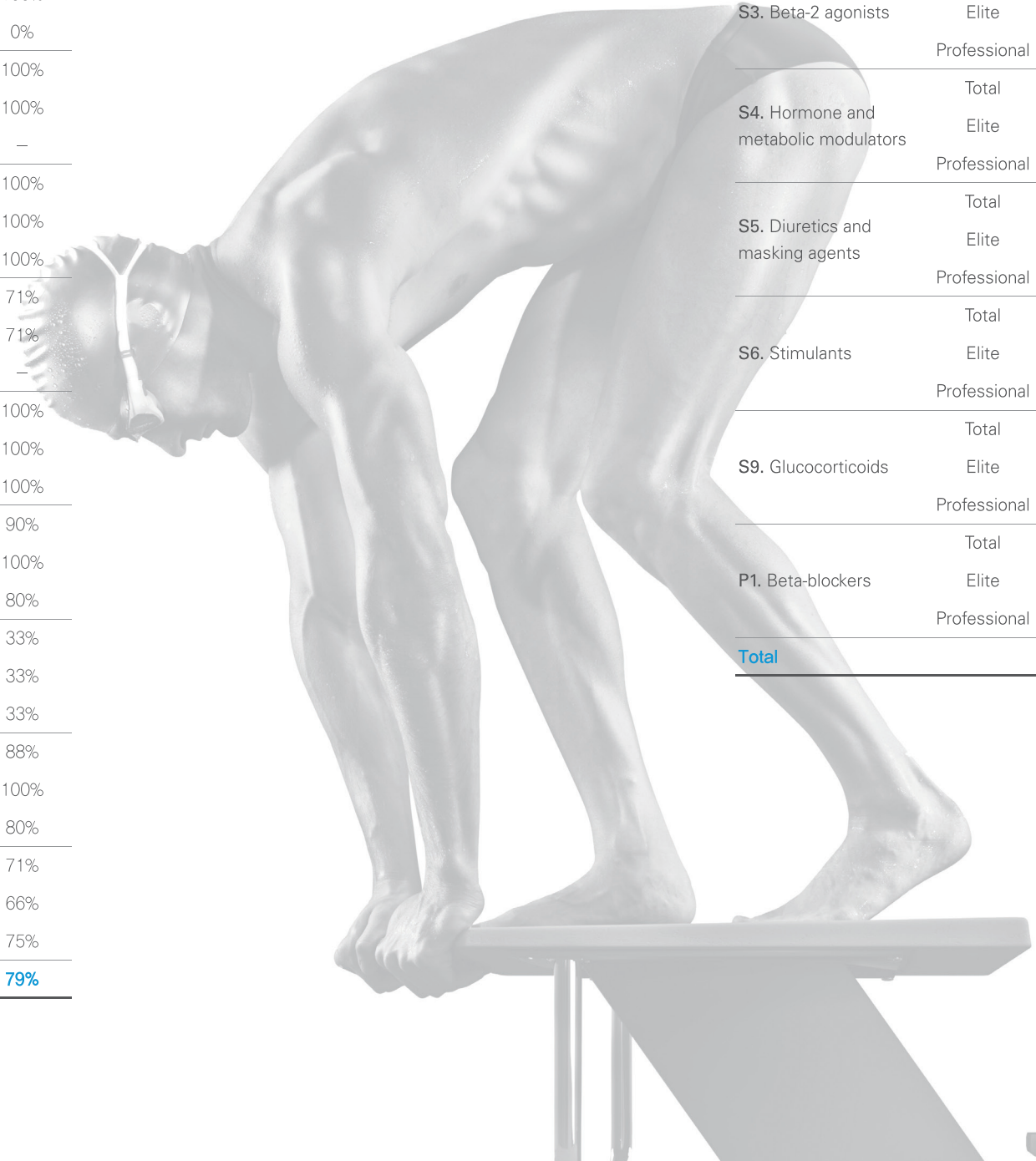


Decision Overview by Medical Condition

Medical Conditions	Sport Category	Total	Approved	Denied	Approval Rate
Circulatory conditions	Total	1	1	—	100%
	Elite	1	1	—	100%
	Professional	—	—	—	—
Digestive conditions	Total	2	1	1	50%
	Elite	1	1	—	100%
	Professional	1	—	1	0%
Musculoskeletal conditions	Total	2	2	—	100%
	Elite	2	2	—	100%
	Professional	—	—	—	—
ENT conditions	Total	4	4	—	100%
	Elite	3	3	—	100%
	Professional	1	1	—	100%
Endocrine and metabolic conditions	Total	14	10	4	71%
	Elite	14	10	4	71%
	Professional	—	—	—	—
Neurological conditions	Total	8	8	—	100%
	Elite	7	7	—	100%
	Professional	1	1	—	100%
Ophthalmological conditions	Total	11	10	1	90%
	Elite	6	6	—	100%
	Professional	5	4	1	80%
Respiratory conditions	Total	6	2	4	33%
	Elite	3	1	2	33%
	Professional	3	1	2	33%
Dermatological conditions	Total	9	8	1	88%
	Elite	4	4	—	100%
	Professional	5	4	1	80%
Others	Total	7	5	2	71%
	Elite	3	2	1	66%
	Professional	4	3	1	75%
Total		64 cases	51 cases	13 cases	79%

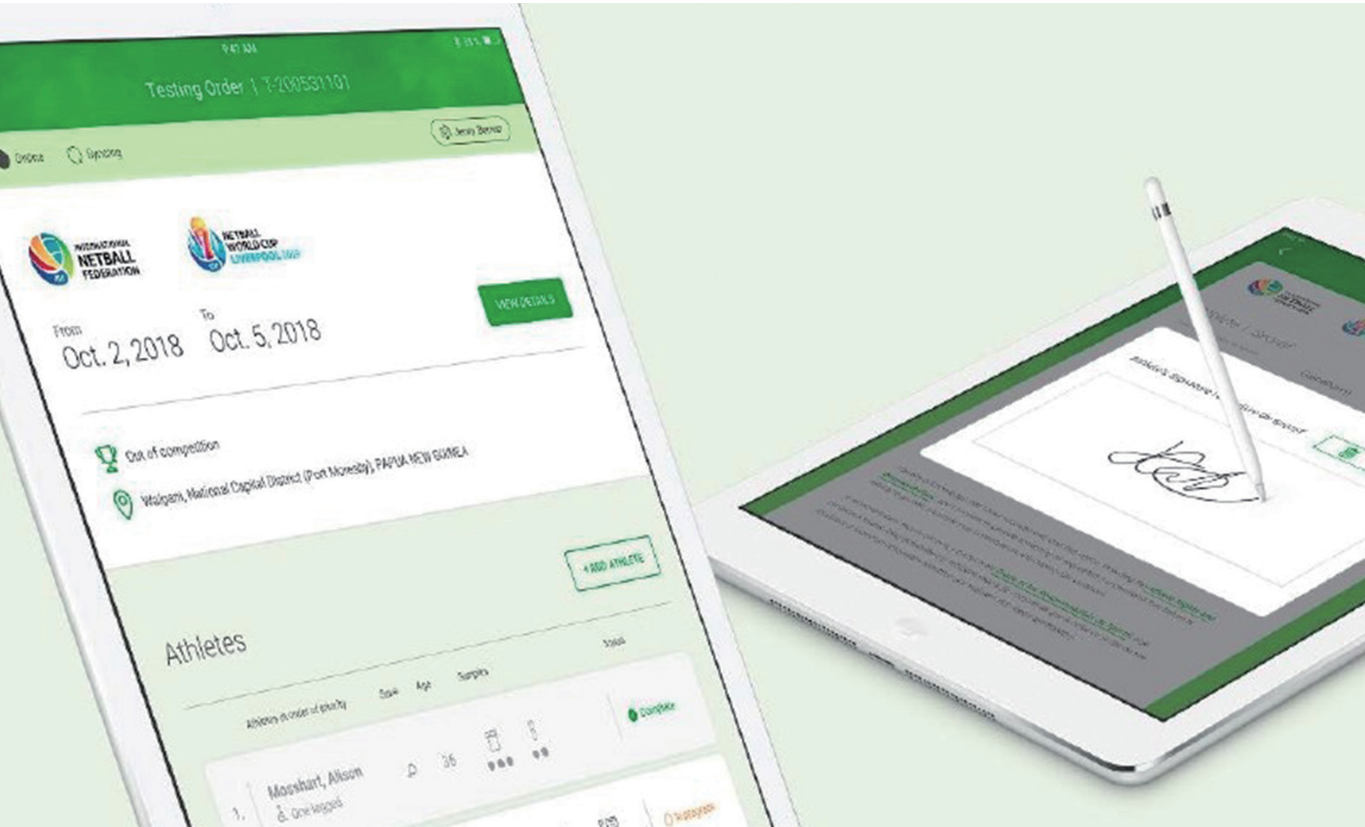
Decision Overview by Prohibited Substance

Prohibited Substance	Sport Category	Total	Approved	Denied	Approval Rate
S2. Peptide hormones, growth factors, related substances, and mimetics	Total	7	3	4	42%
	Elite	7	3	4	42%
	Professional	—	—	—	—
S3. Beta-2 agonists	Total	3	—	3	0%
	Elite	1	—	1	0%
	Professional	2	—	2	0%
S4. Hormone and metabolic modulators	Total	7	7	—	100%
	Elite	7	7	—	100%
	Professional	—	—	—	—
S5. Diuretics and masking agents	Total	5	4	1	80%
	Elite	3	3	—	100%
	Professional	2	1	1	50%
S6. Stimulants	Total	9	9	—	100%
	Elite	7	7	—	100%
	Professional	2	2	—	100%
S9. Glucocorticoids	Total	32	27	5	84%
	Elite	18	16	2	88%
	Professional	14	11	3	78%
P1. Beta-blockers	Total	1	1	—	100%
	Elite	1	1	—	100%
	Professional	—	—	—	—
Total		64 cases	51 cases	13 cases	79%



08 Enhancing professional skills of DCOs

Launch of the paperless doping control system



Background As WADA has launched the digitalization of doping control module, KADA leads the way to introduce the paperless doping control system to provide athletes and stakeholders with the advanced digital test service by improving their convenience, data security and speed of sample collection process.

Targeted athlete classification RTP athletes, National Team athletes and professional sports athletes

Tests completed by Paperless system **687 test sessions**

Objective KADA launched the paperless doping control system for collecting and transmitting doping control data, by using a tablet personal computer.(The system led to prevention of errors in writing, strengthened data security and reduction of processing time.)


Enhancing professional skills and capacity of DCOs

- Launched two dedicated DCO pools for professional DCO Operations - **27** DCOs of RTP-dedicated DCO Pool and **18** of Senior DCO Pool)

RTP-dedicated DCO Pool

The RTP-dedicated DCO Pool conduct out-of-competition doping tests after tracking down the whereabouts report managed by WADA's Anti-doping administration system for RTP athletes designated by international federations or committees.

Senior DCO Pool

The senior DCOs are responsible for the on-site testing  team's operation. It includes the duties of educating the sample collection team members (doping examiners or chaperones) and the necessary sample transportation process to comply with the international standard.

- Monitored and evaluated the performance of the DCOs, and provided feedbacks on errors
- Launched a new training & assessment system(LMS), and Hosted the DCO Workshop (17 Oct.) and the annual training course (29 Oct. - 7 Nov.) for the DCOs' yearly re-accréditation, using various materials (such as WADA's Athletes' Anti-Doping Rights Act, 'Mentimeter' program, and etc.) to increase the communication between DCOs and KADA and between themselves as well.
- Established **6** new guidelines for fair, transparent and professional DCO operations

New 6 Guidelines for DCO Operations

Guideline	Contents
DCO assignment	· DCO assignment criteria and exceptions
Senior DCO operations	· Selection process, criteria, training and assessment of Senior DCO pool
DCO Uniforms	· General guidelines about dress code of DCOs and exceptions
DCO allowance	· General guidelines for payment of DCO allowance and other expenses
DCO Assessment	· How to assess DCOs mutually, receive comments from athletes/national federations, evaluate the performance of DCOs in the field, and etc. · Guidelines for reflecting and dealing with the result of DCO assessment
RTP-dedicated DCO pool operations	· Roles, responsibilities, selection process and criteria, assignment and training of RTP-dedicated DCO Pool

09 Data-Based Reinforcement of Anti-doping Activities

Athlete Biological Passport (ABP) management, doping report system management, target testing by athlete performance monitoring and Registered Testing Pool (RTP) athlete replacement recommendation

Total 337 cases (target testing **255 cases**, RTP based athlete replacement recommendation **82 cases**)

ABP Management

- Effective in January 2020, KADA mandates ABP management through WADA-certified Athlete Passport Management Unit (APMU) analyzing agency
- Since detecting anti-doping rule violation becomes tricky with minimal prohibited substance intake or occasional consumption, KADA spots anti-doping rule violation by tracing each athlete's personal medical and biological history through repetitive testing
- KADA manages ABP through Australia's APMU

ABP reviews in 2020 **739 reviews completed**

Main follow-ups



Long-term storage of testing sample

12 cases



Re-analyzing of the samples

1 cases



IRMS analysis

16* cases

* KADA has sent the samples to an international lab to run an additional analysis following WADA's recommendation



Doping Report System Management

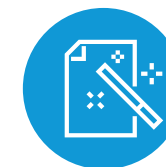
Suppose anyone sees someone to use or try to use any prohibited substances or suspicious behavior. In that case, they can file a complaint through KADA's website, mobile application, telephone, email, and other various channels for investigation



Complaints

13 cases

(against 35 subjects)



Closed complaints

8 cases

(investigated 15 subjects)



Denied

5 cases



Transferred to another agency for result management

8 subjects

*Completed placing sanctions against 4 subjects as of 2020

Performance Monitoring

- Athletes who play one of the **26 types** of individual sports are being monitored for their performance at international competition through monitoring program (Podium) that is developed by international performance analysis company (Gracenote)
- The performance monitoring is carried out with the athletes' records, including their Olympic and Paralympic participation, international ranking, domestic competition result, and other in-house analysis

Joint Investigation of the Ministry of Food and Drug Safety for Illegal Steroid Trading

- Major points**
 - The approval of the Personal Information Protection Committee (1.13.) ensured an official information sharing channel between KADA and the Ministry of Food and Drug Safety
 - The Ministry of Food and Drug Safety provided information on athletes who purchased prohibited substances to help launch an investigation against them (two times)
 - The Ministry of Food and Drug Safety provided information on the coaches of suspected drug use
- Achievements**
 - Hosted business meetings (5 times)
 - Attended at the working-level meeting of the Ministry of Culture, Sports and Tourism, the Ministry of Food and Drug Safety, and KADA (7.29.)
- Expected outcome**
 - Through cooperation between KADA and the Ministry of Food and Drug Safety, sellers of prohibited substances are subject to criminal punishment for violating the Pharmaceutical Affairs Act. It also will raise awareness about doping by notifying that purchasers (athletes and athlete support personnel) will also be subject to sanctions for violating Korea Anti-Doping Rules in the case of illegal trade of prohibited substances.

MOU between the Ministry of Culture, Sports and Tourism and Ministry of Food and Drug Safety

- Date and Time / Location**
 - 6.4. (Thur) / National Museum of Modern and Contemporary Art
- Attendees**
 - Minister Park Yang-woo (Ministry of Culture, Sports and Tourism), Minister Lee Eui-kyung (Ministry of Food and Drug Safety), KADA President Lee Young-hee, KADA Secretary General Jin Jae-soo, and other people of interest
- Main Points**
 - Information sharing for the list of athletes who purchased prohibited substances
 - Education, advertisement, research, and other activities related to prohibited substances, and doping risk



10 Other Business (MOUs with related organizations)

Organization	Date	Main Context
Korea National Sport University	2.19. (Wed)	
Korea Institute of Science and Technology (KIST)	2.25. (Tue)	
World Martial Arts Masterships Committee	5.14. (Thurs)	
Korean Sport & Olympic Committee (KSOC)	6.5. (Fri)	
Korea Professional Sports Association	6.11. (Thurs)	
Korean Paralympic Committee (KPC)	10.12. (Mon)	
Korea Pharmaceutical Information Center	11.20. (Fri)	



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