

**WORLD  
ANTI-DOPING  
AGENCY**

play true



# **The Athlete Biological Passport: Shaping the Present and Future of the ABP**

**Athlete Biological Passport Symposium**

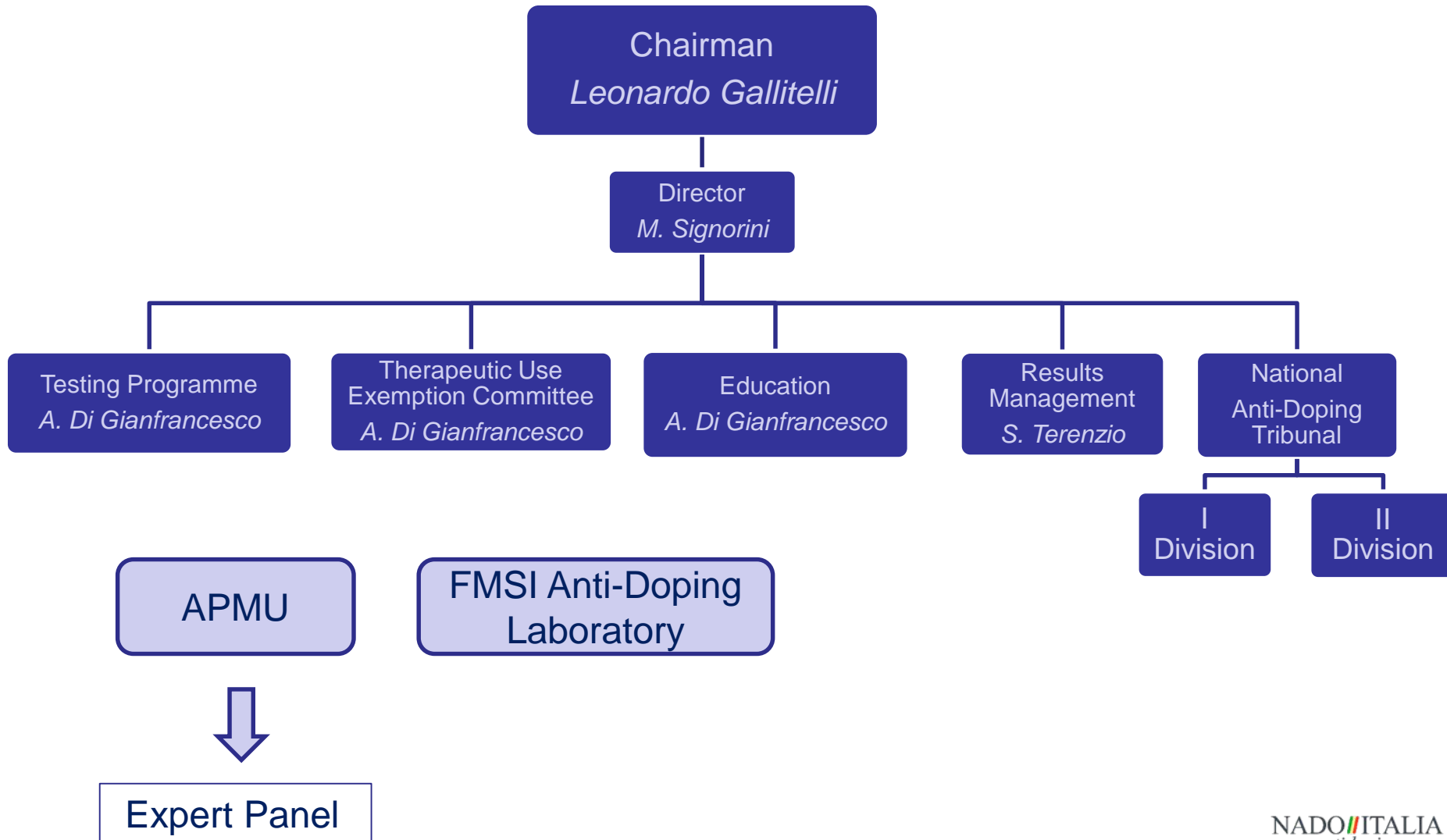
**5-7 November 2018**

Rome, Italy

## **The ABP experience from Italy**

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Head Testing Programme, TUE Committee & Education - NADO Italia  
Member, WADA Health, Medical & Research Committee

# NADO Italia organization



# Anti-Doping Control Committee

## Composition:

- 2 Former Top Level Athletes
- 1 Full Professor of Statistics
- 1 Carabinieri Senior Officer
- 5 Physicians (specialist in sports medicine, haematology, endocrinology)

- Risk assessment
- TDP: *In – Out of Competition*
- RTP
- ABP



# Athlete biological passport - ABP

## STEROIDAL MODULE

- NADO Italia first adopted Steroidal Module;
- GC-C-IRMS on all samples having T/E > 4

## HAEMATOLOGICAL MODULE

- Since 2017

# Why this choice?

## ADAMS

- *Italian legislation on data protection and privacy*
- *Adaptive model fully integrated into ADAMS*
- *Athlete Passports through ADAMS can be shared and safely stored.*

## Administrative Organization

- *Haematological Module: Experts outside the APMU and the ADO*
- *Steroidal Module: internal or external APMU*

# Benefits of an APMU within the Laboratory

## **EFFICIENCY**

The APMU is placed between the Experts and the ADO

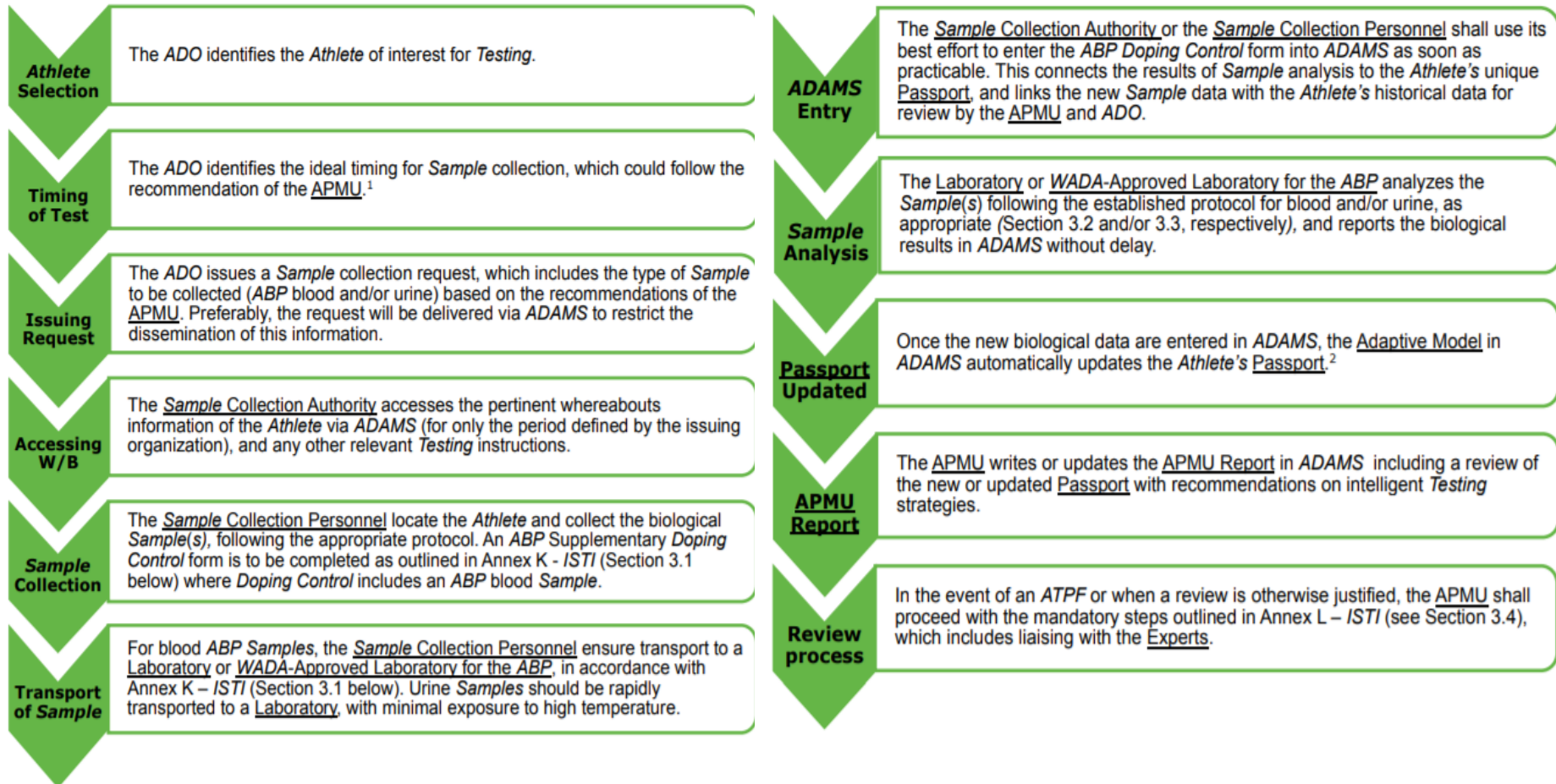
## **PROFESSIONAL EXPERTISE STEROIDAL PASSPORT**

The Expert Panel must have expertise mainly in the field of Laboratory Steroid analysis

## **ANONYMOUS EVALUATION**

Only the Testing Authority is aware of athletes identity in ABP while APMU and Experts identify the tests through code numbers.

# ABP Administrative Sequence Chart



# NADO Italia ABP

## Athlete Selection

- Investigation – Carabinieri
- Target testing
- Sharing information

## Sample collection

- DCOs /BCOs are all physicians belonging to FMSI

## Expert Panel

- Steroid ABP: Experts are within Laboratory FMSI, independent of the Passport Custodian (NADO Italia)
- Haematological ABP: external Experts

## Review Process

- All the Experts do not have any contact with NADO Italia
- APMU and NADO Italia dialogue through ADAMS



# Initial Review Phase

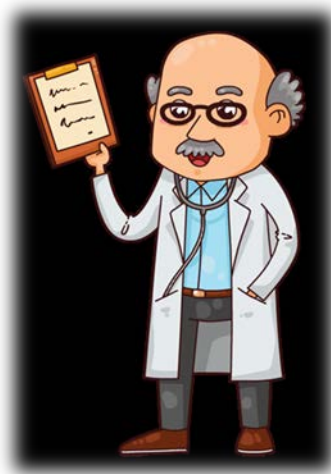
<b><u>Expert Evaluation</u></b>	<b><u>APMU Action</u></b>
<b>Normal:</b> Likely physiological condition	Continue normal <i>Testing</i> pattern.
<b><u>Passport suspicious:</u></b> Further data is required.	Alert <i>ADO</i> to do Target <i>Testing</i> and provide recommendations.
<b>Likely doping:</b> Considering the information within the <i>Athlete's Passport</i> , it is likely that the <u>Passport</u> is the result the <i>Use of a Prohibited Substance</i> or <i>Prohibited Method</i> and it is highly unlikely that it may be the result of a normal physiological or pathological condition.	Send to a panel of three <u>Experts</u> , including the initial <u>Expert</u> , as per section 3 of this Annex L.
<b>Likely medical condition:</b> Considering the information within the <u>Passport</u> , it is likely that the <u>Passport</u> is the result of a pathological condition	Inform the <i>Athlete</i> via the <i>ADO</i> (or send to other <u>Experts</u> ).

# Consequences of the Initial Review

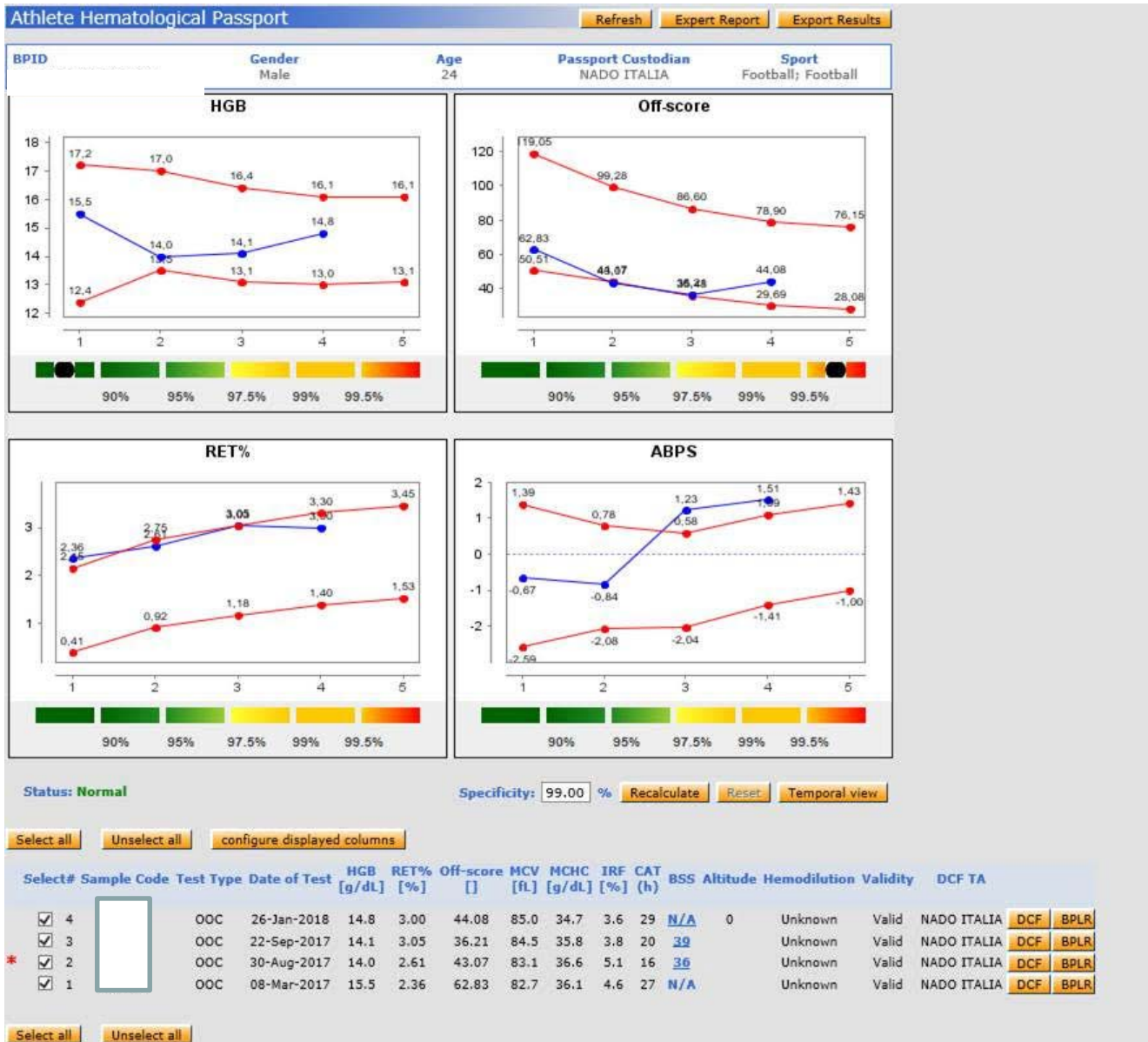
- ABP is a tool to detect the possible use of Prohibited Substances or Prohibited Method. It is not intended as a health check.



- The ADO must inform the athlete if the Passport suggests a possible pathology identified by the experts.



# Likely medical condition



## APMU Report

[Refresh](#)
[Hematological Passport](#)
[Export Report](#)
**ADTN**
**Gender**  
Male

**Sport**  
Football; Football

**Status: Submitted-Medical Condition**
**APMU**
**Recommendation**

Likely medical condition

**Comment**

Passport evaluated by an international expert which consider it as "medical condition"  
The evaluation stated as it follows: "Male football player with normal haemoglobin but constantly very high reticulocytes. Red cell indices are normal, so I do not see any indication of a haematological abnormality at this stage. I suspect the athlete has a subclinical pathology which leads to a high red cell turnover with increased reticulocytes."

**Expert**
**Expert Opinion**

Cancelled by APMU

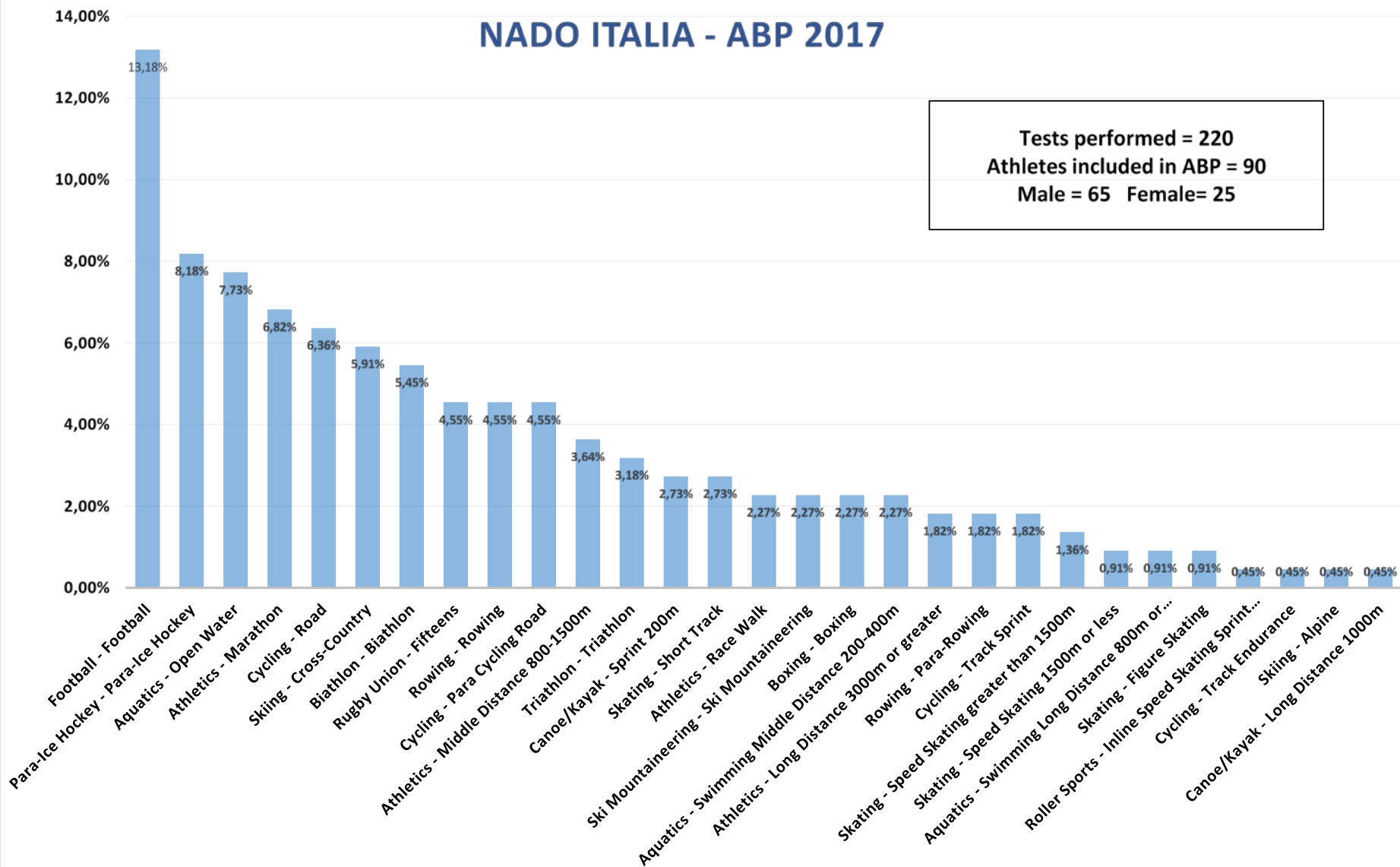
**Cancelled by APMU**
**Comment**

### Report History

Recommendation	Comment	Submitted by	Date/Time	
Passport suspicious: further data is required			21-Feb-2018 07:53 GMT	+
Passport suspicious: further data is required	Trend con valori di %RET alti. Off score sempre basso		19-Dec-2017 09:23 GMT	+

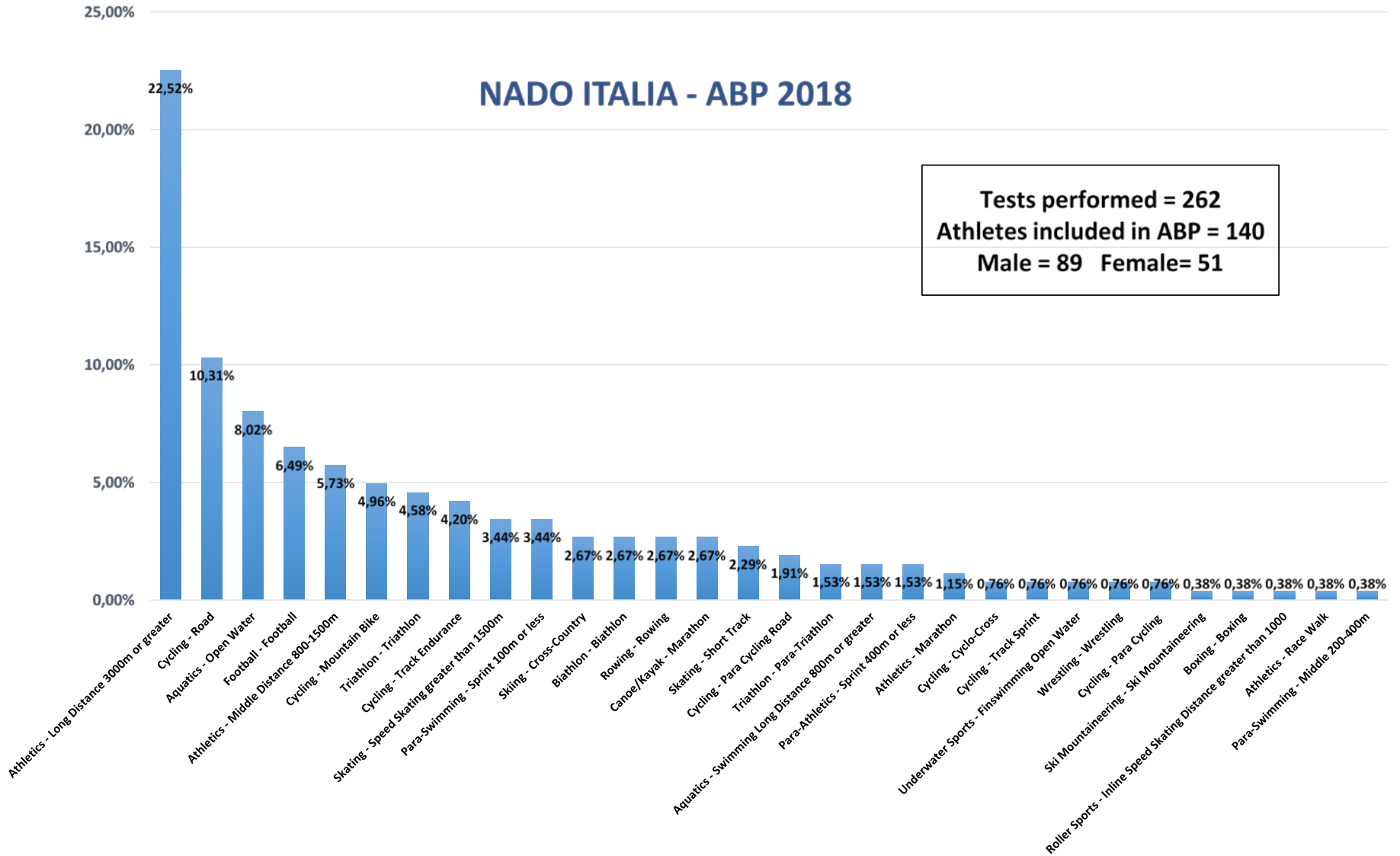
# NADO ITALIA - ABP 2017

Tests performed = 220  
 Athletes included in ABP = 90  
 Male = 65 Female= 25



# NADO ITALIA - ABP 2018

Tests performed = 262  
 Athletes included in ABP = 140  
 Male = 89 Female = 51



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**Thank you very much for your attention**