


# **PYSD RESEARCH METHODOLOGY**

**Sport Diagnostic Center Sabac  
PYSD Meeting in Sofia, Bulgaria  
18 and 19<sup>th</sup> of July 2019**

# SUBJECTS



- $N_{\min} = 420-700$  (6-10 per item) per country (and sport?)   $N_{\min} = 5040$  in whole research
- Years: 12-15 (four subgroups: 12, 13, 14 i 15-year-old)
- Sports: soccer, basketball and swimming
- At least 6 months coached by same coach



# INSTRUMENTS

- **The Student Resilience Survey (SRS)**

*Lereya et al, 2016*

- 10 subscales (40 items):
  - Family connection, School connection, Community connection, Participation in home and school life, Participation in community life, Self-esteem, Empathy, Problem solving, Goals and aspirations, Peer support
- Frequency of each item are rated on a 5-point scale (1 = never to 5 = always).



# INSTRUMENTS

- **The Parental Involvement in Sport Questionnaire (PISQ)**

*Lee & MacLean, 1997*

- 3 subscales (19 items):
  - Directive behavior, Praise and understanding, Active involvement
- 5-point scale (1 = never to 5 = always).



# INSTRUMENTS

- **The Coach–Athlete Relationship Questionnaire (CART-Q)**

*Jowett & Ntoumanis, 2004*

- 3 subscales (11 items):
  - Commitment, Closeness and Complementarity
- 7-point scale (1 = not-at-all to 7 = extremely)



# PROCEDURE

- Parents signed agreement of participating their child in the research!
- Anonymous (printed) questionnaires
- Excel database for each partner (prepared by SDCS)



# STATISTICAL ANALYSIS

- Descriptive statistics
- Linear Correlation
- ANOVA
- Etc.



# RESULTS

Analyzed data will give us several conclusions:

- Athletes resilience level (ARL)
- Correlation size between ARL and parent-athlete (PA) and coach-athlete (CA) relationship
- Possible differences of ARL, PA and CA between age groups
- Possible intercultural differences
- Possible differences of ARL in individual and team sports
- other statistical relations





# RESULTS

Research results will help us:

- To develop partner proposed activities for action phase.
- To make standardized procedures and protocols for identification and selection phase.



**THANK YOU!**

