

## The Reality of Preventing the Coronavirus in the School Environment with middle school teachers

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### Abstract:

The present study aims to shed light on the reality of preventing the Coronavirus in the school environment, particularly in physical education and sports session, The research design adopted in this study draws on a descriptive approach, in this respect the tool employed in the field study was questionnaire form, the prepared questionnaire focused on the arrangements and the precautions taken by the professors during their sessions to apply health measures in light of Coronavirus spread, after making sure of the questionnaire stability, it was conducted on 20 professors of physical education and sports in Algeria. The results showed that the professors of physical education and sports deal with teaching their subjects according to the generalizations and procedures recommended by the Ministry of Education in light of the Corona pandemic. The means of prevention against the Coronavirus vary in the school environment and sports sessions.

**KEY WORDS :** CORONAVIRUS; SCHOOL ENVIRONMENT;  
WORD3 ; MIDDLE SCHOOL TEACHERS .

**المخلص:** هدفت هذه الدراسة إلى معرفة واقع وسائل الوقاية من الفيروس كورونا في الوسط المدرسي وفي درس التربية البدنية والرياضية، ولتحقيق الأهداف قمنا بأعداد استمارة استبنايه تمحورت حول الترتيبات التي يتخذها الأستاذ أثناء اخرجه لدرسيه و الاحتياطات المتخذة لتطبيق الاحترازاات الصحية في ظل نقشي فيروس الكورونا،تمت العملية على عينة الدراسة الأساسية قوامها 20 استاذ لمادة التربية البدنية بالجزائر مستخدمين في ذلك المنهج الوصفي،وبعد المعالجة الاحصائية أظهرت النتائج على أن أستاذ التربية البدنية والرياضة يتعامل في تدريسه لمادته حسب التعميمات والاجراءات التي توصي بها الهيئة المشرفة على التربية والتكوين في ظل جائحة كورونا،وسائل الوقاية من الفيروس كورونا متفاوتة في الوسط المدرسي وفي درس التربية البدنية والرياضية.

**الكلمات المفتاحية:** فيروس كورونا؛ الوسط المدرسي؛ أساتذة الطور المتوسط؛

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## 1-Introduction:

It is well known these days that the more man progresses in civilization and development, the wider his demands and problems, this increases his need for education this latter makes the first concern to move all the energies of the individual to promote and prepare him to become an able adult who can face daily difficulties and solve problems encountered by the individual himself and his community. Education means individual education from all aspects whether spiritual, mental, physical, or social in a balanced and comprehensive manner to prepare a useful individual for himself and his society as much as a human needs education, he needs physical education too, for this; sports today has become one of the most important requirements and cultural manifestation in society, it occupies an important place in the educational system which cannot be dispensed.

Physical education is considered one of the important fields in education which reflects human behavior, it seeks the same goals that education seeks to achieve, so it contributes to integration with other subjects and in its way to improve the abilities of students in various fields, as it provides them with many skills , motor experiences, knowledge, and information cover both psychological and social aspects as they can exploit the potential within individuals and discharge them in correct and appropriate ways, instead of wasting the energies of young people on leisure time and societal diseases such as deviation, drugs, and social ills ... They can fill their free time with sports, with an atmosphere full of fun, happiness, and joy. It also works to develop physical sufficiency, which is intended to be a physiologically and morphologically healthy body. The latter also treat many psychological deviations resulting from suppression and emotion.

Physical education and sports occur within groups where the individual moves away from psychological complexes such as selfishness and self-love, as well as playing a lot in the process of feeling pleasure and expressing the internal emotions of practitioners and developing their emotions.

There is no doubt that today's related world is a changing world in which every issue impacts the rest of the countries, whether this impact negatively or positively, there are many contemporary global issues, including environmental issues such as climate change, for example, issues of security and peace, and to a large extent issues of serious infectious diseases and epidemics, the **word epidemic** means

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an infectious virus that spreads between individuals rapidly, leading to the emergence of symptoms of the disease and stimulating the body's immunity to fight it, either it can overcome it or it cannot. It leads to serious consequences that can lead to death (**World Health Organization**)

Over the years, different epidemics have been identified and vaccination has been tried to protect against disease spread, over the years it has been deadly to large numbers of people such as **Cholera, plague, and Ebola epidemics and yellow fever ... Swine flu and the latest of which is the COVID-19 pandemic** Which led to the death of millions at the global level and the world is still trying now to limit its spread due to its difficulty, it is a new disease that was first discovered in 2019 it is still in continuous development so that it can be transmitted from person to person through scattered droplets from the nose and mouth while coughing or sneezing, through direct and indirect contact. The Algerian school community has not been spared from this epidemic, as there are conflicting opinions, as it is after the high number of infections and the registration of cases among the educational staff between demands calling for the suspension of studies until the index of injuries declines in light of the recording of deficiencies in the means of prevention and reduction of the disease and between Egypt for the continuation of education like other countries and when we delve into the issue we found that the Coronavirus has a negative reflection on the school sports system, as well for students, as **Dr. Al-Kilani** confirmed that some countries that were affected by the Coronavirus claimed that physical contact during the physical education and sports classes may lead to the infection transmission, There is a study conducted to discover **whether the practice of physical education without contact through smart applications is important or not**. The experiment had allocated many teachers who considered the lack of direct communication with students, video, and drafts led to the lack of physical education concepts as well as the ability to discover and apply many skills. Despite the problem of distance, there are many solutions to make exercise effective, Perhaps the education system and the official curriculum have thought of a strict evaluation situation to provide guidance, technical assistance, and protocols on how to modify curricula and teaching methods during this pandemic to achieve environment safety for teachers and reduce the remnants of this serious disease. In this scientific reference, we have decided the presentation

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of our study on the **means of preventing the Coronavirus in the school environment, particularly in physical education and sports session.**

**\*Problem Statement:**

physical education is one of the educational subjects that have special nature, as it occupies a special place for students, due to the content it provides of various sports activities, which are the basic means by which to achieve their objectives, to achieve these goals, an organized curriculum has been developed for many provisions, orders, and decrees regarding its organization and management at all education stages. Whether through the continuity of the practice of the physical education and sports class or through the application of programs and strategies that are concerned with teaching individuals physical activity in the hope of reaching the most effective methods used in teaching physical education and consolidating its lofty values among young people, physical education and sports is a science that stands on its own and every activity has a brief goal to achieve good results, for this sake they depend on continues research to enable them making a positive leap in terms of the obtained results among students, whether through continuous training or through some programs and strategies reaching the complex methods used in teaching physical education, especially when it comes to the followed method by the teacher to deliver information and teaching skills because of what the world is experiencing as a result of this epidemic disease. Coronavirus is considered among the "coronaviruses" that hit the immune system by destroying certain types of cells like lung cells, as it has similar symptoms to the common cold symptoms, this virus is non-microscopic and characterized by the property of rapid transmission from one person to another, and the infected person does not show symptoms until after 15 days, this resulted in an increase of infected persons as well as a high mortality rate, this latter made scientists and researchers, especially specializing doctors in epidemiology, under great confusion and pressure to identify the quality and composition of the virus, how to provide an accurate diagnosis of the epidemic, and how to make a preventive vaccine, this latter made society members under great pressure and turbulent psychological state because one of the human being goals is to develop, and maintain his health and his community, not forgetting that. health in education is one of the basic goals Health education is one of the first goals that everyone seeks to achieve, as it is a technical process that has its principles and

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educational basis, it seeks to acquire for individuals a set of information and basic gains appropriate after influencing the behavior of individuals and providing them with healthy habits that help them grow properly, especially in educational institutions in both stages (intermediate and secondary) and especially physical education and sports share, in which students must take all preventive methods to avoid infection, especially as it is the most vulnerable because it forces individuals to mix and crowd and disrespecting the divergence, whether by working according to a systematic plan to teach the learner proper health behavior to practice sports or by applying programs and strategies that protect individuals from contracting the virus,

The reality of sports in Algeria indicates the teachers' interest in the health state considering students' psychological state, although performance, in general, depends on the student's primitive abilities as well as psychological skills. Considering that the teacher is responsible for the students, controlling and determining them from all aspects taking into account several criteria, as all this depends on the success of the teaching process, the student's preparation, the success of the lesson, and its effectiveness in terms of improving and developing the health level in various respects.

Based on the above and the importance of physical education and sports session, we have formulated a problem that we are trying to find answers to the main **question:**

**- Are the means of preventing the Coronavirus available in the school environment and sports sessions?**

**\*General hypothesis:**

**- The Measures for preventing the Coronavirus are sufficient in the school environment and sports sessions.**

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## **2- General objective of the study:**

- Identify how the sports professor deals with teaching his subject in light of the Corona pandemic.
- Identify the available prevention measures for Coronavirus in the school environment and the physical education and sports sessions.
- Identify the current curricula for teaching physical education and sports and the extent to which they take into account the emergency circumstances experienced by educational institutions.

The research mainly aims to shed light on showing the reality of teaching physical education and sports in educational institutions in light of the Corona pandemic, namely the problem of rearranging the basis of physical education for life and health plans to confront the negative effects that may result from the emerging Coronavirus, and how the professor of physical education and sports deals in teaching his subject under the Corona pandemic according to the generalizations and procedures recommended by the ministry of education as well as the means of prevention from the Coronavirus, which made us try to know Some health protocols and methods to be followed to be safer in the practice field of the without suffering the epidemic risks.

### **\*Research importance:**

We chose to study the topic "**Means of Preventing the Coronavirus in the school environment and the physical education and sports session**"

- To know the most important health methods and protocols used by sports professors in conducting physical education and sports session
- Enriching the knowledge balance, this research is considered one of the important scientific types of research in physical education and sports, as well as aiming to highlight the importance of knowing the protocols that facilitate the teachers of physical education and sports to rise to their high level.

Each study has objectives that it seeks to achieve to provide an alternative or modify what is existing, it remains to give answers to the posed questions The goal of each study can be summarized in which the objectives of the research can be summarized.

- Clarifying the importance of preventive means against the Coronavirus for physical education and sports teachers in light of some variables.

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- Highlighting the role of the physical education teacher in the success of the educational session through avoiding the Coronavirus infection.
  - Try to highlight the role of the professor in achieving healthy behavior.

**\*Terms and Concepts:**

The Concept of physical education and Sports:

**\*Contextual definition:** **Butcher** defines it as an integrated part of public education, an experimental field aimed at forming a decent citizen of civil, mental, and emotional tourism, through the physical activity chosen to apply the tasks.

**\*Operational definition:**

It can be defined as: "the formation of the individual in all respects physically, mentally, psychologically and socially through various sports programs"

**Coronavirus:**

**Contextual definition:**

It is a wide range of viruses that cause disease in animals and humans, and it is an infectious disease caused by the last virus discovered from the strain of coronaviruses. There was no knowledge of the existence of this dangerous virus before the outbreak began in the **Chinese city of Wuhan** in December 2019 and Covid-19 has turned into a pandemic Control Association

**\*Operational definition:**

It is a group of viruses that leave the comfort variety to humans.

**Health Protocol Contextually:**

Develop epidemiological plans and programs to prevent injuries and infectious diseases.

**Previous and similar studies:**

**\*First study:**

A study by **Mohammed Al-Amin** 2015-2016 entitled: "The level of health awareness among students practicing and non-practicing physical education and sports" aimed through this comparative study to know the level of **health awareness among students** at the secondary level in the municipality of Biskra.

It used a questionnaire as a tool of the study with a sample of **(90)** students at the level of **(04) secondary schools** divided into **(45)** students practicing physical education and sports and **(45)** non-practicing physical education and sports class.

**\*Second study:**

A study by **Abdel Halim Khalfi** 2013 entitled "The impact of health control on the level of health awareness among students of the University Center" The study sample consisted of **(252) male and female students** and then deliberately selected from various disciplines using the descriptive approach, the data were processed through **SPSS** programs using the scale developed by Emad El-Din Abdel-Haq and his colleagues in 2012 and the multidimensional health control source scale (Lawloston), which was translated by Jabali Noureddine in 2007 and was Reaching the following **conclusions:**

- The level of health awareness among the students of the university center is very high, estimated at **81.94%**.
- There are statistically significant differences between male and female scores in the level of health awareness.
- There is a relationship between the level of health awareness and health control among single and married students at the level of 0.01.

**\*Third study:**

The study by **Muhammad Matar Arak** 2010-2011 entitled "The level of awareness among **physical education students at the University of Muthana for the academic year 2010**" numbering **(161) male and female students** distributed over the academic stages and gender, the choice of researchers from this community in the different stages of research was randomly and what suits the purpose of each stage and researchers used the descriptive approach being the most appropriate to solve the problem This adopted a study of the application of health awareness scale resulted that there is variation in the level of awareness among students of the first and second basic stages in the College of Education Sports and there is a discrepancy in the sources obtained by students of the Faculty of Physical Education on health information.



### 3- Procedural definition of the concepts mentioned in the research:

#### 01) – Methodology of the Study:

The descriptive approach is more suitable for studying, as it is based on describing what exists, analyzing it, and then interpreting it to test the posed hypotheses.

#### 02) - Study variables:

- Independent variable : Coronavirus.

- Dependent variable : School environment "pupils, teachers, workers, the administration"

#### 03) Study Population:

The study population consists of all physical education and sports teachers of the state of Algiers and its suburbs both sexes for the year: 2021-2022, numbering (1300) teachers in secondary school

#### 04) - Study sample:

Intended sample: High School Teachers

#### 05) - Fields of study:

a) **Spatial domain:** This study was conducted in Algiers' high schools.

b) **Temporal domain:** This study was conducted from February 28, 2022, to May 10, 2022, in two phases.

#### Data presentation:

**The first question: How widespread is the Coronavirus at the level of your institution**

First question	Yes	No
Number of answers	20	0
Percentage	100%	0%

The table below shows the professors' answers about the actions taken at the level of their institution, it illustrates that all professors, i.e. (20) professors, presented the measures taken at the level of their institutions.

**Second question: Are there any preventive conditions set by your institution that must be adhered to?**

The second question	Yes	No
Number of answers	20	0
Percentage	100%	0%

The table shows that the protective conditions set by the institutions have been adhered to, the answers illustrate that (20) professors mentioned the preventive conditions set by their institutions, i.e., 100% of the conditions were adhered to.

**Third question: Do you think that you have succeeded in applying the procedures followed?**

Third question	Yes	No
Number of answers	14	06
Percentage	65%	35%

The tables show that 65% of the professors succeeded in applying the procedures followed, while 35 % did not succeed in applying the procedures followed, i.e. about (14) professors succeeded in applying these procedures, while (06) professors did not succeed in applying these procedures.

**Fourth question: what is the extent of the student's commitment to the imposed procedures?**

Fourth question	Yes	No
Number of answers	17	03
Percentage	75%	25%

The answers showed that 75% of students adhered to the imposed measures, while 25% did not.

**Fifth question: Is there continuous follow-up by your administration?**

<b>Fifth question</b>	<b>Yes</b>	<b>No</b>
<b>Number of answers</b>	<b>18</b>	<b>2</b>
<b>Percentage</b>	<b>86%</b>	<b>14 %</b>

The table below shows that 86% of the institution's management was continuously followed, while 14% had no continuous follow-up., i.e. (%18 ) professors observed continuous follow-up by their administration, and (03) professors stated that there is no continuous follow-up by their administration.

**Sixth question: Are there the necessary preventive means to confront the Corona pandemic at the level of your institution?**

<b>Question six</b>	<b>Yes</b>	<b>No</b>
<b>Number of answers</b>	<b>15</b>	<b>5</b>
<b>Percentage</b>	<b>70%</b>	<b>30%</b>

The table shows that 70% of institutions have the necessary prevention means to confront the Corona pandemic, while 30% do not have the necessary prevention means, (and 15% ) of Professor stated that their institutions have the necessary means of prevention to confront the pandemic, while (05) professors stated the opposite

## **4-2 Presentation and Analysis of Results:**

### **\*General hypothesis:**

Coronavirus prevention is sufficient in the school environment and physical education and sports lesson.

Physical education and sports teachers need prevention means coronavirus which they obtain from their administration, director, and supervisors, as it was shown in Table No. 08 that most institutions have the preventive means to confront the pandemic.

Thus, we conclude from the presentation and analysis of the results of the questionnaire, as we found in Table 4 that most institutions have the necessary means of prevention against the Corona pandemic, in

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Table 5 it was found that students have used the preventive methods in their institutions correctly and appropriately to a large extent, according to the results of (Abdel Halim Khalfi in 2013) that the level of health control for students practicing it.

From this, we conclude that the hypothesis has been fulfilled.

Table 6 shows that the means used helped the physical education and sports teacher do his job.

### **4-3 Discussion and interpretation of the results:**

During the Corona pandemic, teachers face many shortcomings in their institution, they work harder during the sports session to avoid any harm that occurs in the application of the sports lesson to their students, as they are primarily responsible for their safety during the class. Where they receive instructions from the education ministry to implement the health protocol for the Corona pandemic, so they provide advice to their students, such as social distancing, wearing masks, and using an alcoholic liquid, and there is continuous monitoring by the director of the institution as a supervisory body. Pupils should use these preventive methods appropriately to help the teacher deliver his class without injuries or infection. The current curricula for teaching physical education and sports indicated the way to deal with such exceptional circumstances and take into account the current circumstances in light of this pandemic, so the professors agreed to apply these curricula temporarily and work with them.

The Coronavirus is one of the viruses that negatively affect social life in general and human beings in particular and is considered a prominent obstacle in its activities, and this is what we have seen in schools, high schools, and universities, as it affects human psyche and makes it fixed in its place and sows fear, frustration, despair and lack of movement in freedom to meet its needs.

It has negatively affected the functioning of the entire educational system in the world and made it crawl slowly, disrupting the study and the programs planned for two full years, as it is considered the sworn enemy of man, so it reduced the size of the study in schools and divided students into groups and was able to separate the student and the professor temporarily, so the ministry of education developed curricula to overcome the Coronavirus and move forward with the study, and these curricula helped some professors and did not help others due to lack of time and reducing the hourly size of educational classes.

**Citations:**

- Everyone must follow the preventive protocol to avoid any infection among students, teachers, or school staff.
- Various measures of prevention must be used.
- Spacing in tight spaces.
- Educating students and reminding them of the gravity of the virus.
- adaptation to the virus in this period.
- Before any session start the place designated for the class must be sterilized and all students and teachers must be sterilized.
- Place pupils in large areas to avoid friction.
- At the end of the class, students must sanitize the classroom and respect the distance of at least 1.5 meters.
- Reduction in physical education and sports class to one hour or 45 minutes.

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