



Contracting Covid has resulted in decreased cognitive abilities in individuals

Description

A recent **study** suggests that Covid infections could potentially lower a person's **intelligence**, with severe cases causing the most notable reductions. The research revealed that individuals who managed to steer clear of Covid performed best in intelligence tests, while the scores of those hospitalized due to the disease were lower. Moreover, those with milder infections are also thought to have experienced a decline in their cognitive abilities.

The **scientists** from Imperial College London analyzed data from over 112,000 volunteers who underwent Covid tests during the height of the pandemic. The results indicated that patients who were treated in intensive care for Covid scored approximately nine IQ points lower compared to individuals who remained uninfected.

The **participants** who reportedly suffered from long Covid – persistent symptoms like 'brain fog' – saw about a six-point reduction. Furthermore, people who experienced mild infections also showed a slight decline, scoring around two points lower on average.

Adam Hampshire, the lead author of the study, elaborated on the wider **implications** of these findings, which he termed as 'quite scary'. Alternate research scrutinizing brain scans before and after the pandemic insinuated that even non-hospitalized Covid patients could experience brain impacts as a secondary consequence of the infection impacting blood vessels and oxygen flow.

***Study*:** A detailed and systematic examination of a subject or a phenomenon.

***Intelligence*:** The ability to learn, understand, or deal with new or trying situations.

***Scientists*:** Professionals engaging in a systematic activity to acquire knowledge that describes and predicts the natural world.

***Participants*:** People who take part in a particular event, study, or competition.

***Implications*:** The conclusions that can be drawn from something, although it is not explicitly stated.

Vocabulary List:

1. **Study** // (noun): A detailed and systematic examination of a subject or a phenomenon.
2. **Intelligence** // (noun): The ability to learn, understand, or deal with new or trying situations.
3. **Scientists** // (noun): Professionals engaging in a systematic activity to acquire knowledge that describes and predicts the natural world.
4. **Participants** // (noun): People who take part in a particular event, study, or competition.
5. **Implications** // (noun): The conclusions that can be drawn from something, although it is not explicitly stated.



6. **Cognitive** // (adjective): Related to the process of acquiring knowledge and understanding through thought, experience, and the senses.

Vocabulary quizzes

Multiple Choice (Select the Correct answer for each question.)

1. Which word means elevated or increased?
Option: A) Rigorously
Option: B) Astoundingly
Option: C) Heightened
Option: D) Mitigate
2. What term is used to describe a specific instruction or order?
Option: A) Susceptible
Option: B) Inoculated
Option: C) Stave off
Option: D) Directive
3. Which word means causing great harm or damage?
Option: A) Boosting
Option: B) Mitigating
Option: C) Devastating
Option: D) Staggering
4. Which term is commonly used for addiction or dependency on substances?
Option: A) Therapy
Option: B) Positive therapeutic change
Option: C) Substance Use Disorders
Option: D) Absenteeism
5. What is the term for a significant increase in opioid-related problems in a particular area?
Option: A) Coping Skills
Option: B) Cancellation
Option: C) Opioid Crisis
Option: D) Staggering
6. Which term refers to increasing or improving something?
Option: A) Boosting
Option: B) Mitigating
Option: C) Community



Option: D) Therapy

7. What term describes a systematic investigation or analysis of a subject?

Option: A) Urgency

Option: B) Boosting

Option: C) Study

Option: D) Mitigating

8. Which term is related to mental processes like thinking learning and memory?

Option: A) Intelligence

Option: B) Cognitive

Option: C) Scientists

Option: D) Participants

9. Who are the individuals involved in a research study or program?

Option: A) Implications

Option: B) Participants

Option: C) Urgency

Option: D) Boosting

10. Which term signifies the need for immediate action or attention?

Option: A) Positive therapeutic change

Option: B) Urgency

Option: C) Substance Use Disorders

Option: D) Combating

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11. Effective planning _____ the risks associated with the project.

12. Regular exercise can help _____ many health problems.

13. Taking vitamin C supplements can assist in _____ the immune system.

14. Education plays a vital role in _____ ignorance and promoting understanding.

15. Early detection of the disease is crucial for _____ its effects.

16. Problem-solving skills are central to demonstrating high levels of _____.

17. Mark's frequent _____ from work raised concerns about his commitment.



18. Therapists often teach clients various _____ to manage stress effectively.
19. The sudden _____ of the flight left passengers stranded at the airport.
20. The research team conducted a detailed _____ to analyze the impact of social media on youth.

Matching Sentences (Match each definition to the correct word from the vocabulary list.)

21. The magician performed tricks that left the audience amazed and shocked.
22. Children are more vulnerable to catching colds due to their weaker immune systems.
23. The entire population was given the vaccine to protect them from the virus.
24. The local residents came together to organize a charity event for the homeless.
25. Individuals with anxiety disorders often benefit from cognitive behavioral therapy.
26. The counseling sessions helped the patient make significant improvements in their mental health.
27. The company implemented a policy to reduce the number of employee absences.
28. The research project involved a team of experts in the field working together to find a solution.
29. The implications of climate change are far-reaching and require immediate action.
30. The amount of support received for the charity event was beyond what anyone had expected.

Answer

Multiple Choice: 1. C) Heightened 2. D) Directive 3. C) Devastating 4. C) Substance Use Disorders 5. C) Opioid Crisis 6. A) Boosting 7. C) Study 8. B) Cognitive 9. B) Participants 10. B) Urgency

Gap-Fill: 11. Mitigated 12. Stave off 13. Boosting 14. Combating 15. Reversing 16. Intelligence 17. Absence 18. Coping Skills 19. Cancellation 20. Study

Matching sentence: 1. Astoundingly 2. Susceptible 3. Inoculated 4. Community 5. Therapy 6. Positive therapeutic change 7. Absenteeism 8. Scientists 9. Implications 10. Staggering

CATEGORY

1. Health - LEVEL4



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