

Exploring the Health Effects of Increased Digital Screen Time on Eyes

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DESCRIPTION

In today's digital age, screen-based devices have become a part of daily life. From smartphones and tablets to computers and televisions, these devices are used for work, education, entertainment, and communication. While digital technology has undoubtedly transformed the way we live and work, it has also raised concerns about the potential impact on our health, particularly our vision. Digital eye strain, also known as Computer Vision Syndrome (CVS), has become an increasingly prevalent condition, affecting millions of people worldwide. This article explores the impact of digital devices on vision health, the causes of digital eye strain, and the steps you can take to protect your eyes in the digital age.

Digital eye strain refers to a group of symptoms that occur when the eyes are exposed to prolonged use of digital screens. This condition is often associated with the following symptoms:

- Eye fatigue or tiredness
- Dry eyes or irritation
- Blurred vision
- Headaches
- Neck and shoulder pain
- Difficulty focusing
- Sensitivity to light

The symptoms of digital eye strain are typically temporary and can improve with rest, but for individuals who spend significant amounts of time on digital devices, these symptoms can become chronic and disruptive.

Causes of digital eye strain

Several factors contribute to the development of digital eye strain. Unlike reading printed material, using digital devices requires the eyes to perform more complex tasks. Some of the primary causes include:

Prolonged screen time: Spending extended periods of time looking at screens is a primary cause of digital eye strain. The blue light emitted by digital devices, combined with the need to

focus on small fonts or images for long stretches, can strain the eye muscles and lead to discomfort.

Close viewing distance: Many people use digital devices at a close distance, which can place additional strain on the eye muscles. When viewing screens up close, the eyes have to work harder to focus, which can lead to fatigue, especially after long periods of use.

Infrequent blinking: When using digital devices, people tend to blink less often. This reduced blinking rate can cause the eyes to dry out, leading to discomfort and irritation. Dry eyes are a common symptom of digital eye strain and can worsen with prolonged device use.

Poor posture: Many individuals use digital devices in suboptimal positions, such as slouching at desks or holding devices too close to their faces. Poor posture can contribute to neck and shoulder pain, in addition to straining the eyes.

Improper lighting: The lighting conditions in the room where digital devices are used can exacerbate eye strain. Glare from overhead lights or sunlight reflecting off screens can make it more difficult for the eyes to focus, leading to discomfort. Additionally, using devices in dimly lit environments can make the eyes work harder to adjust to the screen.

Screen resolution and font size: The resolution and font size on digital screens play a role in how easily the eyes can focus. Low-resolution screens or very small text require the eyes to strain more than high-resolution screens with larger text. This can lead to fatigue, especially if the screen is viewed for extended periods.

CONCLUSION

Digital devices are an essential part of modern life, but prolonged use can lead to digital eye strain, which affects many people worldwide. Understanding the causes of digital eye strain and the steps you can take to mitigate its effects is crucial for protecting your vision health. By adopting good screen habits, optimizing your work environment, and taking regular breaks, you can reduce the risk of discomfort and long-term eye issues. As technology continues to advance, it's important to stay mindful of the impact that digital devices can have on your eyes and take proactive steps to maintain good eye health.

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