

Opioid Effects on the Body



Name	Class	Data	
Name	Class	Date	

Opioid receptors are located in neurons **throughout the body**. When opioids attach to these receptors, they cause **dopamine** to be released. In the short term, the release of dopamine can make people feel very relaxed and happy. But it can also cause **harmful effects**, like extreme sleepiness, confusion, nausea, vomiting and constipation. Over time, opioids can lead to insomnia, muscle pain, heart infections, pneumonia and addiction.

BRAIN -

Opioids bind to receptors in many parts of the brain that are involved in perceiving pain, emotional response, and the pleasure/reward pathway.

Opiods can cause excess eye tearing.

SPINAL CORD

Opioids can interfere with the transmission of pain signals through the spinal cord. This is one of the target regions that make opiods an effective drug in treating pain.

BRAINSTEM -

Opioids can bind to receptors in the brainstem and cause slowed breathing, which can lead to death (overdose).



PREVIEW

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INTESTINES

Opioid medications can interfere with neurons that regulate peristalsis in the intestines, leading to constipation.

PERIPHERAL NERVES

Opioids can also bind to receptors on pain-sensing neurons in the peripheral nervous system and curb pain.



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How do opoiod receptors wo	ork?	
Describe the effects of opioid	Is on each of the following:	
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INTESTINES		PERIPHERAL NERVES
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