

WorldCare Health Update



As we enter spring, it's a wonderful time to retake control of those New Year's resolutions and get out into the sun for some much needed vitamin D and exercise. A brisk walk or cleaning up the yard are excellent ways of preventing cardiovascular issues and allows you to finally get some of that much needed and missed fresh air. We understand how exciting it is to get out and enjoy the nice weather, but as always use caution and avoid any risky recreational activities. In the case of any severe recreational injuries remember the [WorldCare](#) team has you covered with access to the best rehabilitation hospitals available. If you have recently experienced a serious injury, it may best benefit you to reach out for a medical second opinion (MSO), [contact us today](#) for more information or to request service.

In this issue of *Health Update*, your member-only WorldCare newsletter, you will learn how our [WorldCare Consortium](#)[®] MSO provider [Spaulding Rehabilitation Hospital](#) is using cutting-edge technology to improve the lives of patients suffering from spinal cord injuries and how [Boston Children's Hospital](#) is paving the way for curing cases of cancer in children. [The WorldCare Consortium](#)[®] offers access to teams of specialists and sub-specialists only WorldCare can provide a direct link to when you access need an MSO.

Spaulding Rehabilitation Hospital incorporates new technology to rehabilitate patients with spinal cord injuries

Source: [Spaulding Rehabilitation Hospital](#)



Spinal cord injuries were once known as injuries that would confine you to a life with little mobility, but could this soon change? [Spaulding Rehabilitation Hospital](#) is advancing spinal cord rehabilitation by blending modern medicine with virtual reality and advanced exoskeleton technology. [Spaulding Rehabilitation Hospital](#) is revolutionizing how we perceive the road down physical therapy, leading to a promising future for patients who only a generation ago would have faced the fate of losing mobility for their entire life.

The blend of modern medicine with advanced technology changed the life of one promising high school athlete. After colliding with another football player, Connor Walker's neck bent beyond its natural range resulting in the diagnoses of cervical spine neurapraxia. Walker's game plan for treatment was to use musical and virtual-reality therapies. The idea behind this is that it is designed to distract patients from their injury so that their bodies can instinctively react to the exercise. Using a steady beat that alternated between each step and using virtual reality goggles, Walker reached for virtual objects instinctively. Using these exercises along with drug therapy helps the neurological network carrying messages from the brain to the spinal cord. Medication that is thought to stimulate neurological networks includes low dosages of anti-depressants such as Prozac and Buspar. Other advances in rehabilitation taking place at [Spaulding Rehabilitation Hospital](#) are exoskeletons, which are in their infancy stage but show great promise for the future of rehabilitating otherwise immobile patients. [Read the full story here.](#)

If you have an injury resulting in spinal cord damage and would like an MSO [contact us today.](#)

"Service was exceptional and professional. Would use this service again and would certainly recommend."

-Jasen, WorldCare member

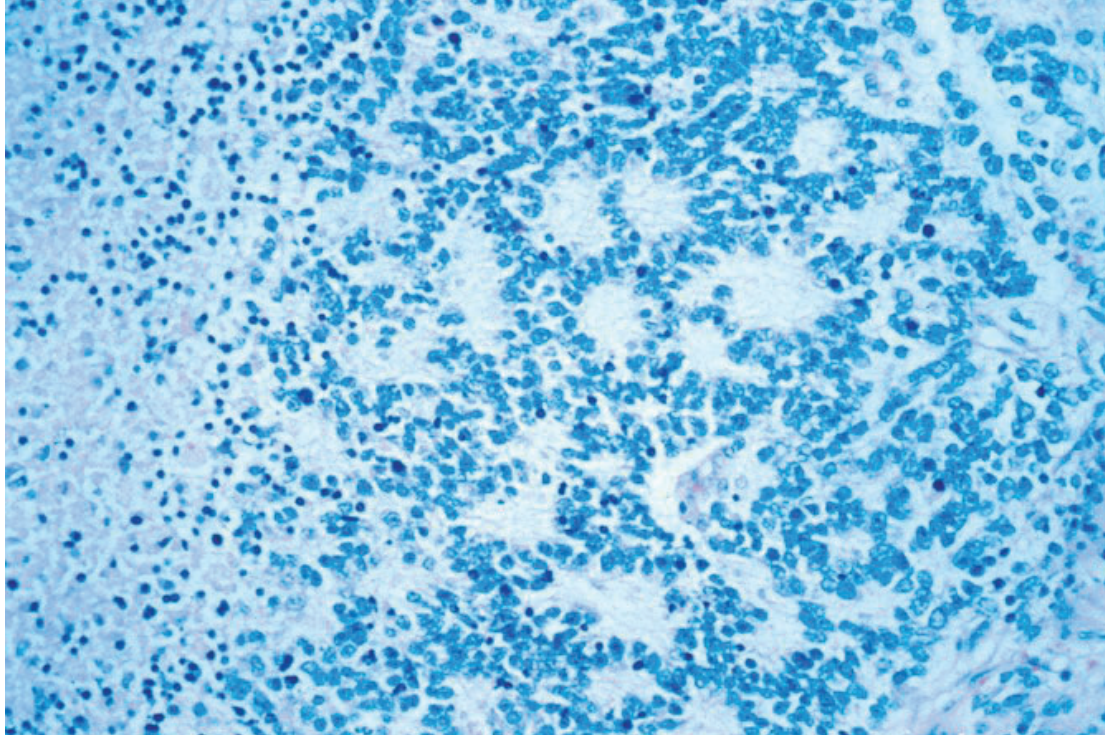
LEADING SPINAL CORD INJURY CAUSES



Source: www.spinalcord.com

Researchers from Boston Children's Hospital pave the way for clinical trials on a potential pediatric cancer treatment

Source: Boston Children's Hospital



Research from [WorldCare Consortium®](#) MSO provider [Dana Farber/Boston Children's Cancer and Blood Disorders Center](#) is paving the way to a cure for children suffering from cancer. Children's cancer cases are unique in that they are triggered by different mutations than adult cancer cases. And, only a fraction of these can be targeted through drugs. In this study, Kimberly Stegmaier, MD, at [Dana Farber/ Boston Children's Cancer and Blood Disorder Center](#) along with her colleagues systematically deleted all the genes in the genome in numerous cancers, predominantly subjected to children. In return, this test provided Stegmier with findings to previously unknown and targetable genes that help drive tumor growth. Stegmier was also interested in epigenetic regulators, which are proteins that help control the regulation of genes related to many forms of pediatric cancers. Often, cancers can become resistant to these regulators. Epigenetic regulators are active during early development, which is crucial since cases of pediatric cancers tend to arise in developing tissue.

Focusing on her previous study that was published December 10 in [Cancer Cell](#), Stegmier focused on BET inhibitors. These inhibitors were most effective in neuroblastoma, the most common form of cancer in children. Using a genome-wide open reading frame (ORF) screen and CRISPR gene editing, Stegmier's team concluded that a combination of BET inhibitors and PI3k inhibitors have a promising future for curing cases of cancer in children. [Read the full story here.](#)

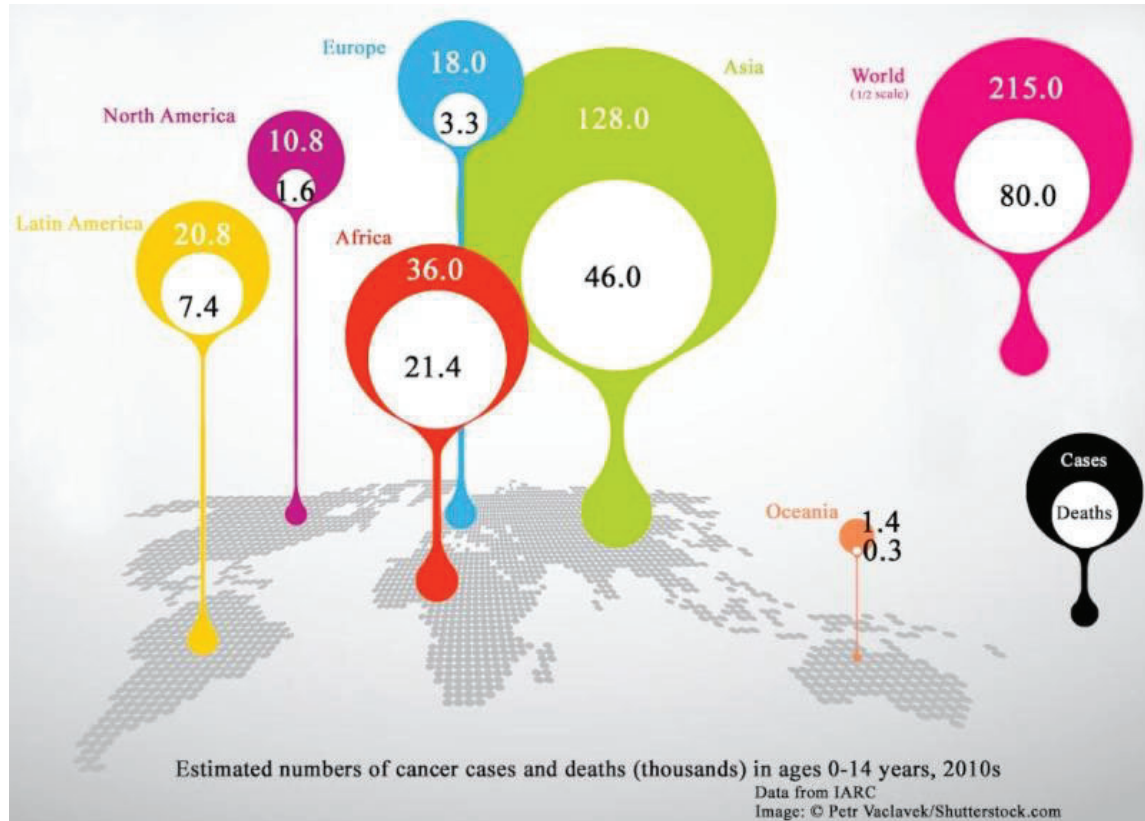
If you have a child suffering from a form of pediatric cancer and would like to seek out an MSO [contact us](#) today.

"I was very pleased with the entire process, including communication, timing and direction regarding options and next steps."

-Drew, WorldCare member

Global occurrence of cancer and deaths for children ages 0-14

Source: <https://www.acco.org/global-childhood-cancer-statistics/>



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