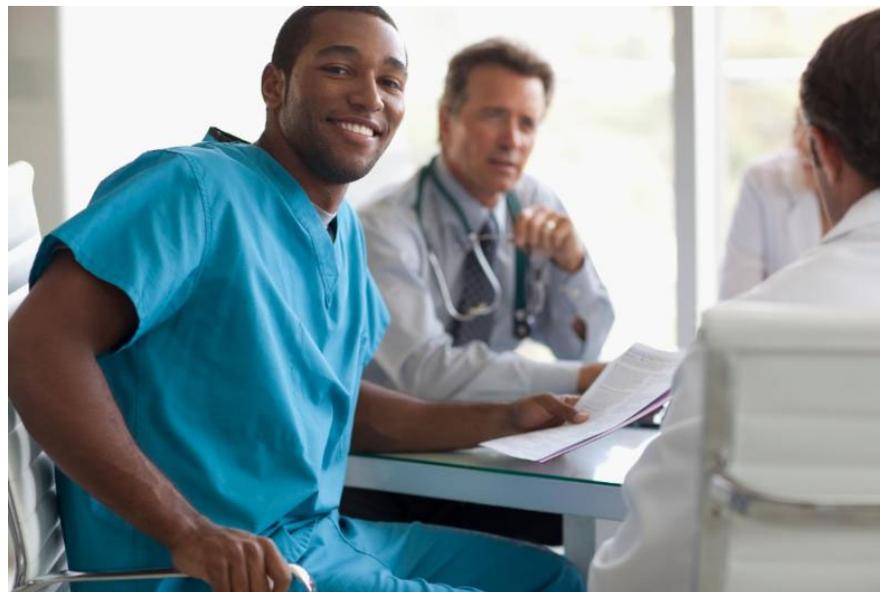


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Quarterly health and wellness newsletter from WorldCare International, Inc.



As we make our way through a new year, we continue to provide the highest-touch coaching, virtual medical second opinions (MSOs) available worldwide, ensuring that members with serious or complex medical conditions receive an accurate diagnosis and suggestions for the most effective treatment. Our newest MSO services address three important, urgent healthcare problems: [proper access to mental health care](#), [efficacious treatment and management of chronic pain](#), and [the rising cost of specialty prescription drugs](#). Contact us today for more information on any of these groundbreaking new MSO services.

In this issue of *Health Update*, your member-only WorldCare newsletter, you'll find ground-breaking news from the experts at [WorldCare Consortium®](#) hospitals, hospitals only we can provide you with a direct link to when you need it most. We hope you find this information informative and insightful and remember to follow us on [Twitter](#), [Facebook](#), [YouTube](#), [Google+](#) and [LinkedIn](#) for daily updates on important health topics and day-to-day WorldCare news.

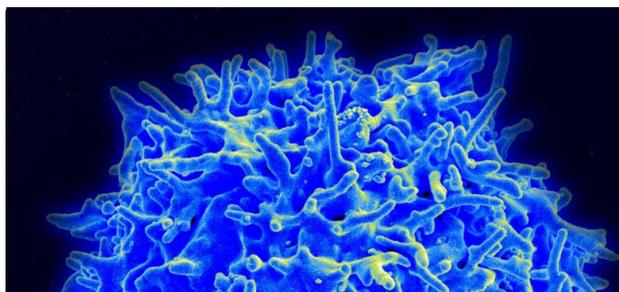
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Researchers at WorldCare Consortium® member McLean Hospital find immune system activation in newborns may affect brain development

Source: [McLean Hospital](#)

Neuroscientist researchers at WorldCare Consortium® member [McLean Hospital](#) have found that activation of the immune system, even if only a brief episode, within days of birth can cause lasting changes in sleep patterns in combination with increases in



epilepsy-like brain activity, a combination of symptoms often found in autism spectrum disorder (ASD) and other developmental conditions. The researchers treated mice with a chemical that simulates a bacterial infection and temporarily activates the immune system at a time point in mice that approximates the stage of brain development in humans at birth after full-term pregnancy. Researchers were able to collect an uninterrupted stream of data on sleep, muscle movement, and activity levels via micro-transmitters. This data indicated that that even a brief period of immune system activation during critical periods of early development can leave a long-term signature upon the brain.

[Read the full story here.](#)

**"My experience is that this (MSO) is an excellent service. The MSO has also given me a treatment option that had not been considered possible before. Thank you."
- Daniel, WorldCare member**

**Are you affected by a serious/complex medical condition?
Contact us today to request a MSO.**

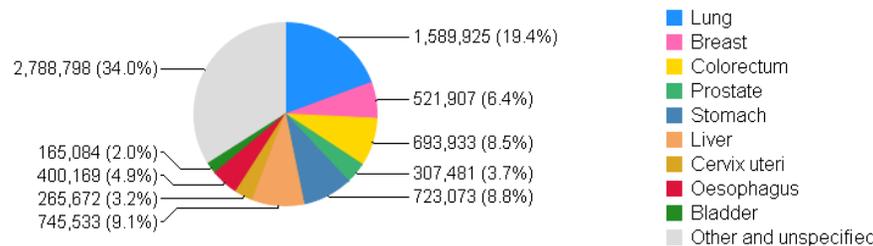
Request a MSO.

Cancer by the Numbers

Source: [World Health Organization](#)



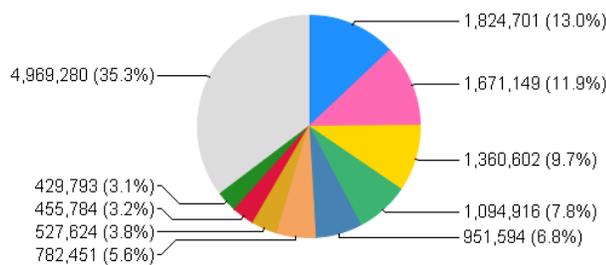
Mortality



International Agency for Research on Cancer



Incidence

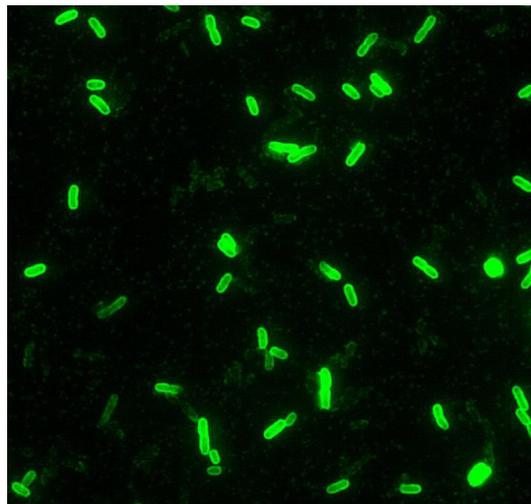


If you have been diagnosed with cancer or suspect a cancer diagnosis, contact us today for an expert MSO.

Request service.

Research from WorldCare Consortium® member Jefferson Health finds an antibody therapy reduces the number of headaches that chronic migraine patients experience per month in phase III trial

Source: [Jefferson Health](#)



Research from WorldCare Consortium® member [Jefferson Health](#) has found that fremanezumab, an immunotherapy that counteracts one of the molecules released during migraine, reduced the number of days that chronic migraine patients suffered headaches. Fremanezumab is a biological agent that binds to and blocks the action of calcitonin gene-related peptide (CGRP), a protein associated with migraines. Increasing evidence of its role in migraines has made CGRP a main point of research and drug development, as it is released at high levels during migraine in response to inflammation and triggers a cascade effect, releasing more CGRP and resulting in increased sensitivity of the brain to pain. "This therapeutic approach offers new hope for people whose migraines cannot be treated with existing medicine," stated

principal investigator Stephen D. Silberstein, M.D., Professor of Neurology and Director of the Jefferson Headache Center at the Vickie & Jack Farber Institute for Neuroscience at Thomas Jefferson University Hospital. "Our worldwide effort to evaluate this novel therapeutic approach has shown positive results and was safe in patients."

[Read the full story here.](#)

Discover the art of the second opinion!
Hear from the WorldCare Medical Hub how our experience, impact
and clinical rigor set us apart.

[Watch video.](#)

American Heart Month

Source: [National Heart, Lung, and Blood Institute](#)

As February is American Heart Month, we've shared some information from the National Heart, Lung, and Blood Institute on cholesterol, a fat-like substance which, in excess, increases your risk of developing heart disease when it builds up in the walls of your arteries.



Have you been diagnosed with a serious/complex medical condition?
Request a MSO today.

[Contact us.](#)

"Very thorough! Reassures me on the future steps I will take for a
complete rehabilitation."
- Michel, WorldCare member

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