

## COVID PATIENT RECOVERY ALLIANCE

The COVID Patient Recovery Alliance is a multi-sector collaboration with the mission to support the energy and innovation of government and private-sector leaders as they care for individuals with long-COVID. The Alliance is developing national solutions that link diverse data sources, improve clinical care pathways, and ensure sustainable federal financial support for the care of these patients. The Alliance is particularly interested in those patients who served their communities and nation when called to duty; whose COVID-19-related costs are extraordinary and burdensome; or who are underserved by existing programs, including racial and ethnic minorities and communities experiencing health disparities.

For more information, please visit our website at [COVID19PatientRecovery.org](https://COVID19PatientRecovery.org).

### PURPOSE OF RESEARCH TRACKER

The research, news, and knowledge of long-COVID is quickly evolving. To stay up-to-date and informed on long-COVID, the Patient Recovery Alliance is performing routine intel scans from a variety of sources – from peer-reviewed publications to various news websites – and on variety of long-COVID-related topics, including health care coverage, workers' compensation, impacted populations, symptoms, and prevalence. The outputs of these intel scans are compiled in this document, which will be periodically updated.

# COVID-19 Patient Recovery Alliance Research Tracker

Date	Article	Publication	Key Takeaways
<b>June 2021</b>			
1-Jun-21	<a href="#">Long COVID in children: Partnerships between families and pediatricians are a priority for better care</a>	Wiley Online Publication	<ul style="list-style-type: none"> <li>• Many children suffering with long COVID are labelled as having psychological issues due to the lack of info on LONG COVID</li> <li>• More testing, and surveying needs to be done to raise awareness on Long COVID so that it can be properly diagnosed</li> <li>• almost 50% of the patients interviewed complained of complaints after more than 120days from diagnosis. In detail, we have seen that respiratory problems, muscle and joint pain, headache, insomnia, skin rash and palpitations were found in 3–20% of the total children.</li> </ul>
1-Jun-21	<a href="#">Letter to the Editor EPs Can Ease Suffering of Long COVID Patients</a>	Emergency Medicine News	<ul style="list-style-type: none"> <li>• Emergency physician who contracted COVID-19 describes their symptoms over 8 months later</li> <li>• Discusses the difficult in diagnosing Long COVID because it is not currently detectable to diagnostic tests</li> <li>• More physicians need to be made aware of Long COVID because it is more helpful from the patient’s perspective to be sympathetic, then to be skeptical</li> </ul>
1-Jun-21	<a href="#">Little-known illnesses turning up in COVID long-haulers</a>	Modern Healthcare	<ul style="list-style-type: none"> <li>• Postural orthostatic tachycardia syndrome, or POTS is turning up in a lot of Long Covid patients</li> <li>• It is a disorder of the autonomic nervous system, which controls involuntary functions such as heart rate, blood pressure and vein contractions that assist blood flow</li> <li>• POTS is not widely known to most doctors, and because of this it is difficult to receive a diagnosis for it despite how easy it is to test for</li> <li>• 27% of covid survivors ages 18-39 had persistent symptoms three to nine months after testing negative for covid. The percentage was slightly higher for middle-aged patients, and 43% for patients 65 and over</li> <li>• Congress has allocated \$1.5 billion to the National Institutes of Health over the next four years to study post-covid conditions</li> <li>• 80% of long-haulers complained of fatigue and nearly half of "brain fog." Less common symptoms are inflamed heart muscles, lung function abnormalities and acute kidney problems</li> </ul>
1-Jun-21	<a href="#">What We Know and Don’t Know About Long COVID</a>	Discover magazine	<ul style="list-style-type: none"> <li>• There are a number of theories about why long COVID happens, none of them fully confirmed, they include               <ul style="list-style-type: none"> <li>○ virus might hang around in the body, replicating and prolonging the infection. Or it may stick around but not replicate, stimulating biological responses.</li> <li>○ the immune system, revved up by the acute COVID infection, could be reacting to the patient’s own body, as it does in autoimmune diseases injuries to certain systems — such as the autonomic nervous system</li> <li>○ could be causing symptoms such as lightheadedness and fast heart rate</li> <li>○ COVID-induced tissue damage to the heart, kidney, brain or other organs could cause persistent symptoms</li> </ul> </li> <li>• The overall number of those affected by Long COVID is somewhere between 2-10 percent. That jumps up to about 50 percent if you were hospitalized for COVID-19.               <ul style="list-style-type: none"> <li>○ For those who were in the ICU, it’s 80 percent.</li> <li>○ Currently, there is no treatment for long COVID</li> </ul> </li> </ul>

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2-Jun-21	<a href="#">UK observational Covid-19 long-hauler study including paediatrics to tap into immunological data; launch in the next couple of months, source says</a>	Pharmaceutical Technology	<ul style="list-style-type: none"> <li>• A 1,200 participant observational study to gather info on immune profiles for COVID-19 Long-Haulers will begin in the next month at Imperial college, London.</li> <li>• The trial will recruit adults, children, and adolescents</li> </ul>
2-Jun-21	<a href="#">Syracuse doctors search for answers to the mysteries of COVID long haulers</a>	CNY Central	<ul style="list-style-type: none"> <li>• Dr. Silverman’s studies show anywhere between 10-30% of Covid patients becoming long-haulers</li> <li>• The doctors primary focus is to find ways of treating the symptoms until the cause of the post viral infection is discovered</li> <li>• Patients in their 30s seem to be struggling the most (this statement contradicts some of the articles from yesterday)</li> </ul>
2-Jun-21	<a href="#">Long COVID patients at higher risk of small airway disease</a>	News Medical Life Sciences	<ul style="list-style-type: none"> <li>• Study of 100 patients (not peer reviewed)</li> <li>• COVID-19 leads to functional small airway disease (fSAD)</li> <li>• Higher BMI and asthma are contributing factors to fSAD</li> <li>• Lung damage in Long Covid patients with fSAD appears to be permanent and, sometimes progressive</li> </ul>
8-Jun-21	<a href="#">For Theatre Workers With Long COVID Symptoms, a Hesitant Return</a>	American Theatre	<ul style="list-style-type: none"> <li>• As quarantine ends and production begins to open up, the theater industry is beginning to feel the effects of long term COVID</li> <li>• Many within the industry who are suffering from long term covid are calling for more medical support from Unions like the Actor’s Equity.</li> </ul>
16-Jun-21	<a href="#">Hope on the horizon for COVID-19 long haulers</a>	Halifax Examiner	<ul style="list-style-type: none"> <li>• Peer reviewed studies have yet to prove it, however many COVID Long haulers are reporting that their symptoms are subsiding after vaccine doses.</li> <li>• Medical professionals are collaborating together to ensure that they can provide the best care for Long COVID patients</li> </ul> <p>More resources needed to help millions living with “long COVID”</p>
16-Jun-21	<a href="#">Decoding Long Covid: An Oncologist Explains How Persisting Covid Symptoms Delay Cancer Care</a>	News 18	<ul style="list-style-type: none"> <li>• Dr Niti Raizada, director of Medical Oncology and Hemato Oncology and Transplant Physician at Fortis Hospital in Bengaluru, explains why delayed cancer treatment coupled with long covid symptoms have been a great challenge for patients fighting cancer.</li> <li>• “[Long Covid] patients are likely to have chronic fatigue with extreme weakness, persistent cough, shortness of breath, palpitation, muscle pain and weakness, recurring, persistent headaches, difficulty in concentrating, as well as depression. Under such circumstances, many patients are not in the condition to re-start cancer treatment, which may aggravate their cancer.”</li> <li>• Long covid symptoms can be persistent and often overlaps with cancer symptoms like extreme weakness and fatigue, which makes it difficult for patients to detect cancer at early stages, and can further worsen their situation by the time they reach out for cancer treatment.</li> </ul>

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20-Jun-21	<a href="#">Covid News: Study Finds Health Problems Can Persist Long After Infection, Even Among the Asymptomatic</a>	The New York Times	<ul style="list-style-type: none"> <li>• Discusses a white paper that was published today on Long Covid Published June 15</li> <li>• Of patients who were hospitalized with COVID-19, the percentage that had a post-COVID condition was 50 percent; of patients who were symptomatic but not hospitalized, 27.5 percent; and of patients who were asymptomatic, 19 percent.</li> <li>• The five most common post-COVID conditions across all ages, in order from most to least common, were pain, breathing difficulties, hyperlipidemia, malaise and fatigue, and hypertension</li> </ul>
17-Jun-21	<a href="#">Just how common is 'long Covid'? Here's what a new study suggests.</a>	Advisory Board	<ul style="list-style-type: none"> <li>• Nearly 25% percent of Covid patients suffer from long term symptoms.</li> <li>• Because of the difficulty in distinguishing between certain pre-existing conditions and new symptoms related to coronavirus infection, the researchers excluded patients with some pre-existing conditions, such as cancer, kidney disease, or HIV.</li> <li>• The study also had several limitations, the New York Times reports, including the fact that it did not:               <ul style="list-style-type: none"> <li>• Identify whether people who were first diagnosed with an issue after their Covid-19 infection simply had not previously sought treatment for it prior to infection; or</li> <li>• Compare people with Covid-19 and those without to determine whether the rates of post-Covid symptoms were higher than among the general population.</li> </ul> </li> </ul>
18-Jun-21	<a href="#">Hot Topics in Infection Prevention: Delta Attacks, Vaccinations Stall, Long COVID Settles In</a>	Infection control today	<ul style="list-style-type: none"> <li>• As the U.S. COVID-19 cases continue to decline (keeping in mind that vaccination rates have also been declining), more attention is given to long COVID.</li> <li>• Physicians are focusing on providing holistic patient-centered management approaches to improve patient quality of life and function and partnering with patients to identify achievable health goals.</li> </ul>
17-Jun-21	<a href="#">New health concerns emerge post-pandemic</a>	Iowa Capital Dispatch	<ul style="list-style-type: none"> <li>• The main concerns in Iowa are still related to the pandemic, both physically — with post-COVID syndrome and inflammation issues — and mentally.</li> <li>• Long COVID presents similar symptoms to those endured when first infected, including fatigue, dizziness, fever, and difficulty breathing. There is no clear link between risk factors and long-term COVID symptoms.</li> <li>• Anxiety, depression, stress, and substance abuse rates went up drastically during the pandemic.</li> <li>• The National Alliance on Mental Health In Iowa (NAMI) saw a 93% increase in calls while 42% of Iowa adults reported dealing with issues of anxiety and depression, nearly doubling before-COVID numbers.</li> </ul>
11-Jun-21	<a href="#">COVID-19 itself can cause heart inflammation, in addition to other problems like long COVID; benefits of COVID-19 vaccines outweigh their risks</a>	Health Feedback	<ul style="list-style-type: none"> <li>• The CDC defines long COVID as “a range of symptoms that can last weeks or months after first being infected with the virus that causes COVID-19 or can appear weeks after infection. Long COVID can happen to anyone who has had COVID-19, even if the illness was mild, or they had no symptoms.”</li> <li>• The main purpose of this article is to highlight the difference in risks between COVID-19, and the vaccine.</li> </ul>

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19-Jun-21	<a href="#">Coronavirus weekly need-to-know: Natural immunity, long-COVID, reinfection &amp; more</a>	The Herald Sun	<ul style="list-style-type: none"> <li>• A review of more than 9,000 electronic medical records of people who had severe COVID-19 in the U.S. found that less than 1% (63 people) contracted the disease again within an average of 3.5 months after first testing positive.</li> <li>• A study of nearly 2 million coronavirus patients across the country found that about a quarter developed at least one long-COVID symptom such as “brain fog,” breathing difficulties or high cholesterol 30 days or more after initially testing positive.</li> <li>• Risks of death among long-haulers, the odds were 46 times higher for people who were hospitalized and later discharged than those who were never admitted.</li> </ul>
21-Jun-21	<a href="#">I rested my way to recovery from long Covid. I urge others to do the same</a>	The Guardian	<ul style="list-style-type: none"> <li>• Rest and pacing, rather than graded exercise, seem the most effective treatments to prescribe widely to long Covid patients</li> <li>• A now-discredited study in the Lancet argued that a form of cognitive behavioral therapy (CBT), and what the researchers called “graded exercise therapy” (GET), were the most effective forms of treatment for ME/CFS because they forced patients to overcome a fear of exercise that the researchers argued was keeping patients ill.</li> <li>• Graded exercise therapy was used by some to treat long covid, but studies have shown that rest is better for</li> </ul>
20-Jun-21	<a href="#">Victims of long Covid ‘face job discrimination’</a>	Morning Star	<ul style="list-style-type: none"> <li>• Union calling for long Covid to be recognized as a disability because employers are discriminating against employees with the condition.</li> <li>• Many employers do not believe their employees symptoms</li> <li>• a study revealed that more than three-quarters of employees with long Covid are key workers, some of whom contracted the virus at work.</li> <li>• Based on a survey of 3,500 workers, found three in 10 workers with long Covid have experienced symptoms lasting longer than a year, meaning they should have legal protection at work.</li> <li>• If Covid-19 is recognized as an occupational disease, employees and their dependents would be entitled to protection and compensation if they contracted the virus while working.</li> </ul>
20-Jun-21	<a href="#">CDC Releases New Long COVID Guidelines</a>	Verywell Health	<ul style="list-style-type: none"> <li>• Provides summary of the CDC guidelines released last week</li> <li>• (Posted a few articles on this previously)</li> </ul>
21-Jun-21	<a href="#">Can the vaccine improve persistent symptoms for COVID long-haulers?</a>	PBS	<ul style="list-style-type: none"> <li>• Long Covid patient discuss their symptoms, and points out that they have faced no relief since becoming vaccinated.</li> <li>• Early studies suggest that a third of Long Covid Patients’ symptoms stop after receiving a vaccine.</li> <li>• Up to 57% reported that their symptoms were lessened in some manner after the vaccine.</li> <li>• 10% said their symptoms worsened after the vaccine.</li> </ul>
21-Jun-21	<a href="#">Letters   Long Covid or vaccine side effect fears: the choice is clear for holdouts</a>	South China Mourning Post	<ul style="list-style-type: none"> <li>• Evidence shows that a better option is being vaccinated rather than taking chances with Covid.</li> <li>• Because of Long Covid, many unvaccinated people are risking long term chronic disease, instead of short to mild symptoms that are associated with the vaccine.</li> </ul>

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13-Apr-21	<a href="#">A pandemic that endures for COVID long-haulers</a>	The Harvard Gazette	<ul style="list-style-type: none"> <li>• Long Covid patients usually subside, then become more intense in the weeks following the initial Covid infection</li> <li>• Long Haulers are not infectious to others</li> <li>• Many Long Haulers have been getting tested multiple times because they are mistaking Long Covid, for being reinfected</li> <li>• Two main theories regarding the source of Long COVID are               <ul style="list-style-type: none"> <li>o 1) The infection remains in certain areas of the body, and the body continues to fight the low level virus (no evidence to support this theory yet)</li> <li>o 2) The virus causes nerve damage to parts of the body that result in neurological</li> </ul> </li> <li>• The vaccines all ultimately result in an antigen — a piece of the outside of the virus — being presented to the body’s immune system and then your body develops an immune response — antibodies — to that. That type of immune response could be a shift away from some other chronic, ongoing, immune activation or inflammation.</li> </ul>
21-Jun-21	<a href="#">New CDC Guidelines and Tonix Pharma Focus on COVID-19 Long Haulers</a>	BioSpace	<ul style="list-style-type: none"> <li>• CDC guidelines on long COVID from Last week encourage primary care physicians to be the main resource for patients suffering from Long COVID</li> <li>• Due to the fact that many patients will not be diagnosable from most tests, the CDC encourages doctors to trust their patients and provide counselling and support to Long Haulers</li> <li>• Treatment of Long COVID is likely to be comparable to fibromyalgia because they share many common symptoms, and both effect women at a higher rate</li> <li>• Due to the similarities with fibromyalgia, Tonix Pharmaceuticals will be developing TNX-102 SL (cyclobenzaprine HCL sublingual tablets) as a potential treatment for long COVID</li> </ul>
22-Jun-21	<a href="#">Long Covid May Help Us Understand Other Chronic Diseases</a>	Bloomberg Opinion	<ul style="list-style-type: none"> <li>• Long COVID will likely bring more awareness to other chronic diseases and their treatments.</li> <li>• Scientist are hopeful that due to the large number of people suffering from long COVID, more research and treatments will be made available for chronic fatigue syndrome.</li> <li>• About 75% of individuals with Chronic Fatigue Syndrome are thought to have been triggered by a viral or bacterial infection</li> <li>• Because there is not much information on post viral syndromes there is a idea within the medical profession to disregard the symptoms as completely mental and untreatable</li> </ul>
22-Jun-21	<a href="#">Long COVID-19: A new challenge for society</a>	DW News	<ul style="list-style-type: none"> <li>• Video about a COVID Long Hauler’s symptoms, and how they manage their day to day (POSSIBLE LinkedIn post)</li> </ul>
21-Jun-21	<a href="#">New research adds to calls for better support for long COVID patients</a>	Ottawa Citizen	<ul style="list-style-type: none"> <li>• Study shows that patients with long Covid may have a significant loss of GREY Matter in their brains.</li> <li>• Using brain scans done prior to the pandemic as part of a massive UK health imaging study, researchers invited some participants who had COVID-19 to return for more testing and compared their before and after scans.</li> <li>• Most of the people tested had mild or moderate cases of COVID</li> <li>• Loss of Grey Matter was in areas of the brain that effect memory and taste/smell</li> <li>• The study has not been peer reviewed, however it may provide evidence to some of the underlying causes of Long COVID if proven.</li> </ul>

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23-Jun-21	<a href="#">First came Covid, then long-haul symptoms. And now they're battling the guilt of having survived it all</a>	CNN Health	<ul style="list-style-type: none"> <li>• More than 600,000 lives have been lost and more than 33 million people infected with Covid-19 across the US. For every death, there are many more in mourning, some of whom may be feeling this same sense of guilt.</li> <li>• Survivor's guilt and other mental health issues may become more prevalent as individuals get back to their pre pandemic physical health.</li> </ul>
22-Jun-21	<a href="#">About 23% of COVID-19 Patients Develop Long-Haul Symptoms, New Research Suggests</a>	Prevention	<ul style="list-style-type: none"> <li>• "Many of my post-COVID patients say their primary care doctors dismissed and disregarded their symptoms, which compounds their suffering."</li> <li>• Half of hospitalized patients, 27.5% of symptomatic patients, and 19% of asymptomatic patients reported experiencing long COVID symptoms to their healthcare providers.</li> <li>• The majority of post-COVID conditions were most common in women.</li> </ul>
26-Mar-21	<a href="#">WHO slide deck on Long COVID</a>	World Health Organization	Slide Deck and infographics on Long Covid
24-Jun-21	<a href="#">Resolve Therapeutics to start Phase II Trial of RSLV-132 for long Covid</a>	Clinical Trials Arena	<ul style="list-style-type: none"> <li>• FDA has approved a New Investigational Drug application for its lead candidate, RSLV-132, to initiate a Phase II clinical trial in patients with long Covid.</li> <li>• Resolve Therapeutics' lead compound RSLV-132 is a novel targeted biologic drug designed to remove pro-inflammatory nucleic acids from the circulation of patients. These acids are thought to be one of the key triggers of multiple pro-inflammatory cascades.</li> <li>• "Based on our previous positive phase II clinical trial with RSLV-132 in autoimmune fatigue, we are hopeful that removing circulating RNA in long Covid patients will have a similar improvement in their fatigue and brain fog," said Resolve Therapeutics CEO Dr James Posada.</li> </ul>
28-Jun-21	<a href="#">'Health systems should be prepared': doctors brace for tsunami of long Covid</a>	The Guardian	<ul style="list-style-type: none"> <li>• Long Covid bears similarities to other chronic syndromes that affect some people after other viral infections, including Ebola, Chikungunya and hepatitis B.</li> <li>• In the absence of a definitive cure, doctors are falling back on well-established treatment options.</li> </ul>
19-Jun-21	<a href="#">Health-related quality of life issues, including symptoms, in patients with active COVID-19 or post COVID-19; a systematic literature review</a>	Springer Link	<ul style="list-style-type: none"> <li>• 339 peer review articles on COVID were read and incorporated into this Literature review, the information includes studies from all continents, and provides a comprehensive list of 75 symptoms, ranging from common to rare.</li> <li>• The data gathered from this literature review is going to be used to create questionnaires, and publications on better recognizing COVID-19 and Long COVID</li> </ul>
19-Jun-21	<a href="#">COVID-19 among young adults in Sweden: self-reported long-term symptoms and associated factors</a>	Scandanavian Journal of Public Health	<ul style="list-style-type: none"> <li>• 339 peer review articles on COVID were read and incorporated into this Literature review, the information includes studies from all continents, and provides a comprehensive list of 75 symptoms, ranging from common to rare.</li> <li>• The data gathered from this literature review is going to be used to create questionnaires, and publications on better recognizing COVID-19 and Long COVID</li> </ul>

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25-Jun-21	<a href="#">Over two million people may have had long COVID in England</a>	Pharma Times	<ul style="list-style-type: none"> <li>• REACT-2 study is based on self-reported data from over half a million adults aged 18 years and above who took part in rounds three to five, carried out between September 2020 and February 2021.</li> <li>• study suggests that the prevalence of long COVID increases with age, with a 3.5% increase in likelihood in each decade of life.</li> <li>• In February, the British government announced it will provide £18.5m to fund research projects aimed at improving understanding of the causes and effects of long COVID.</li> </ul>
8-Jun-21	<a href="#">Why Impact of 'Long Covid' Could Outlast the Pandemic</a>	The Washington Post	<ul style="list-style-type: none"> <li>• Long Haulers will impact the economy because they are less productive as a result of their symptoms</li> <li>• Long haulers are more costly because they face multiple neurological as well as physical ailments, and many are unable to work full time.</li> <li>• More research must be done to concretely connect Long Covid to the chronic conditions that many have been reporting</li> </ul>
8-Jun-21	<a href="#">Are women more likely to develop long COVID?</a>	News Medical Life Sciences	<ul style="list-style-type: none"> <li>• About 75% of the patients treated for long Covid were women, indicating a link between sex hormones and immune response.</li> <li>• study of patients shows there is a predominance of women seeking care for persistent symptoms after COVID-19. They usually have higher IL-6 levels than males and reported fatigue as the most common symptom.</li> <li>• post-puberty/premenopausal women have higher levels of inflammatory cytokines compared to men. Such effects may be because of sex hormones.</li> </ul>
8-Jun-21	<a href="#">Obesity Increases Risk of Long-COVID, Study Finds</a>	WebMD	<ul style="list-style-type: none"> <li>• Obesity -- an established major risk factor in the development of severe infection or death from COVID-19 infection -- also appears to significantly increase the risk of developing long-term COVID.</li> <li>• The need for diagnostic tests after infection was 25% higher among those with moderate obesity and 39% higher in those with severe obesity, compared with those of with a BMI of 18.5-24.9</li> <li>• findings suggest that obesity's effects extend beyond worsening infection and influence the long-term symptoms</li> </ul>
22-Jun-21	<a href="#">Doctors focus on patients with long COVID as pandemic slows down in Wisconsin</a>	Channel 58	<ul style="list-style-type: none"> <li>• As the number of COVID cases is decreasing many Wisconsin physicians are turning their focus to treat those with Long COVID.</li> <li>• As much as 25% of people with COVID have had lingering symptoms, which means the healthcare crisis may last longer than anticipated.</li> </ul>
21-Jun-21	<a href="#">Preliminary Results of Drug Study for COVID-19 Long-Haulers Are Promising</a>	6 South Florida	<ul style="list-style-type: none"> <li>• 90-day trial approved by the FDA for the drug Leronlimab.</li> <li>• 56 people known as "COVID Long-Haulers" got weekly injections of the drug.</li> <li>• The initial results of the study are encouraging. Patients say three out of four symptoms improved after taking the drug.</li> <li>• Dr. Gaylis says this is a promising step forward in finding treatments for people with chronic COVID symptoms. If a second study goes well, Leronlimab could be available to people by next summer and fill a huge hole in the market.</li> </ul>

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4-Jun-21	<a href="#">Relearning how to walk, losing words, stuck in a brain fog. This is what Lehigh Valley COVID long-haulers are facing</a>	The Morning Call	<ul style="list-style-type: none"> <li>• In March, 44 year-old Easton woman did not have severe symptoms to coronavirus, however after her quarantine period she was hospitalized for a blood clot in her lungs.</li> <li>• By April the patient was no longer able to walk</li> <li>• Patient has post-acute sequelae of COVID-19, also known as COVID long-hauler syndrome or long COVID. She experiences lingering symptoms or aftereffects of the illness well after her body has overcome the coronavirus infection.</li> <li>• Though COVID-19 is primarily characterized as a respiratory infection, McGorry said the coronavirus creates a significant inflammatory response throughout the body.</li> <li>• some lingering health problems long-haulers have may not be caused directly by the coronavirus infection but instead by their hospitalization. He said people can get neuromuscular diseases from being in the ICU. Being on a ventilator long-term can also have negative effects on the body</li> </ul>
6-Jun-21	<a href="#">Cannabis May Treat Some Symptoms in COVID "Long-Haulers"</a>	Psychology Today	<ul style="list-style-type: none"> <li>• an extreme inflammatory response by the body, causes some of the most severe complications of coronavirus disease, COVID-19. Many current therapeutic strategies are designed to suppress the inflammation by modulating the immune system</li> <li>• laboratory has demonstrated that stimulation of endogenous cannabinoid receptors can reduce numerous biomarkers of inflammation. Specifically, stimulation of cannabinoid type 2 (CB2) receptors induces anti-inflammatory actions by modulating numerous signaling pathways</li> </ul>
8-Jun-21	<a href="#">Antihistamines might be effective in long-COVID</a>	News Medical Life Sciences	<ul style="list-style-type: none"> <li>• A team of scientists from the United Kingdom has recently revealed the therapeutic benefits of histamine receptor antagonists in reducing long-term symptoms of (COVID-19).</li> <li>• T cell immune responses to severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection vary between asymptomatic COVID-19 and long-COVID; Study Available Here</li> <li>• about 96% of long-COVID patients presented with multiple symptoms, with an average of 5 typical symptoms</li> <li>• The average duration of symptoms was 269 days. Among long-COVID patients, the majority were relatively young (average age: 43 years) and female (60%)</li> <li>• almost 60% reduction in symptom burden was observed in long-COVID patients treated with histamine receptor antagonists. Specifically, of 25 patients in the treatment group, 5 reported complete resolution of all symptoms, 13 reported improvements, 6 reported no change, and 1 reported deterioration of symptoms</li> </ul>
16-Jun-21	<a href="#">Long COVID: Symptoms And Treatment On Wednesday's Access Utah</a>	UPR (Utah Public Radio)	<ul style="list-style-type: none"> <li>• Audio (53 minute discussion about long COVID)</li> </ul>
24-Jun-21	<a href="#">Long Covid military rehab programme 'helping to save careers'</a>	BBC News	<ul style="list-style-type: none"> <li>• A three-step recovery program for those in the forces is being run from the Defense Medical Rehabilitation Centre (DMRC) in Nottinghamshire.</li> <li>• At the center they are tested for signs of long-term organ damage and taught how to overcome the key symptoms - shortness of breath, fatigue, low mood and "brain fog"</li> <li>• Lt Col Sadar Bahadur, a DMRC consultant, said more than 90% of the 55 patients who completed the program last year were back in work after three months.</li> </ul>

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4-Jun-21	<a href="#">COVID-19 Long Haulers: Is there any action in state or federal government to help?</a>	CNY Central	<ul style="list-style-type: none"> <li>• Long haulers are left waiting on research to give them and their doctors more insight.</li> <li>• Representative Beyer teamed up with Republican Congressman Jack Bergman from Michigan to reintroduce the COVID-19 Long Haulers Act. Representative Beyer told us to the best of his knowledge, it is the only standalone long hauler COVID bill but that he expects even more attention to come to the issue. The bipartisan legislation would create a national self-reporting database, where people with long-haul symptoms around the country can sign in and learn what is known about their symptoms.</li> </ul>
8-Jun-21	<a href="#">UKHospitality urges Treasury action amid 'economic long Covid' fears</a>	BigHospitality	<ul style="list-style-type: none"> <li>• Survey shows 1/5 of hospitality sector business said that rent will lead to insolvencies and that rent debt will cast a long shadow over the sector.</li> <li>• UKHospitality chief executive Kate Nicholls called for an extension of the eviction moratorium and for landlords to equally share the pain with business in the sector by writing off 50% of rent debt for closure period</li> </ul>
17-Jun-21	<a href="#">Top physician's group wants long-COVID research</a>	AXIOS	<ul style="list-style-type: none"> <li>• The American Medical Association's House of Delegates, called for tools to improve the assessment, diagnosis, and awareness of post-viral syndromes</li> </ul>
7-Jun-21	<a href="#">A Tsunami of Disability Is Coming as a Result of 'Long COVID'</a>	Scientific American	<ul style="list-style-type: none"> <li>• Even though the society is opening back up, there are large public policy gaps for those suffering from long covid</li> <li>• health care and disability costs are also still unknowable pertaining to long covid</li> <li>• In addition to the personal suffering, long-term disability comes with a staggering price tag—including increased health care costs; reduction or loss of employment; and economic strain on worker's compensation and disability support programs.</li> <li>• Current U.S. disability programs appear ill-equipped to deal with this new stream of patients with chronic disability. Patients and employers alike can be overwhelmed by the inherent bureaucracy of the system, including worker's compensation, Social Security disability, and private disability insurance.</li> <li>• Makes a request for workers compensation programs as well as federal disability programs</li> </ul>
28-Jun-21	<a href="#">Investec Life flags 'long-Covid' risk to insurance industry</a>	BusinessDay	<ul style="list-style-type: none"> <li>• growing risk of so-called "long Covid" to the broader industry could result in premiums for income protection, disability and severe illness cover being hiked, as more clients infected by Covid-19 begin to report long-term debilitating effects from the virus.</li> <li>• Need subscription for more info</li> </ul>
6-Jun-21	<a href="#">Economy faces 'long Covid' if debts not tackled</a>	BBC	<ul style="list-style-type: none"> <li>• Business loans are higher than normal in the UK</li> <li>• 2.5 billion of rent debt is due June 30</li> <li>• Of all industries the travel industry seems to have been hit the hardest</li> </ul>