

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.

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
MAY 2021			
12-May-20	Virus Survivors Could Suffer Severe Health Effects for Years	Bloomberg	<ul style="list-style-type: none"> • Weakened immune system, high cholesterol • Small-scale studies conducted in Hong Kong and Wuhan, China show that survivors grapple with poorer functioning in their lungs, heart and liver as a result of COVID-19. • According to another study on SARS, survivors suffered lung infections, higher cholesterol levels and were falling sick more frequently than others for as long as 12 years after the epidemic.
15-May-20	Pulmonary fibrosis secondary to COVID-19: a call to arms?	The Lancet	<ul style="list-style-type: none"> • Long-term pulmonary fibrosis is a possibility in COVID patients, including those who recover.
3-May-21	Long-haulers are still struggling — ‘I think this virus has physically and mentally aged me more than 10 years’	MarketWatch	<ul style="list-style-type: none"> • Dr. Rudy Tanzi, vice-chair of neurology and director of the Genetics and Aging Research Unit at Massachusetts General Hospital and an authority on brain health and Alzheimer’s (also a Next Avenue Influencer in Aging), recently published a paper looking at blood biomarkers from COVID-19’s impact on brain health. The research found as many as 55% of hospitalized COVID-19 patients have neurological disturbances three months after infection. • Mentions anecdotal stories, clinics, and support groups. Repeats 10% figure.
3-May-21	Michigan Medicine opens clinics for adults, kids with long-haul COVID-19 problems.	MSN	<ul style="list-style-type: none"> • Dr. Rodica Pop-Busui, director of the new Multidisciplinary Post COVID-19 Clinic for adults at U-M. The work will be partially funded by the National Institutes of Health, Pop-Busui said, and will help doctors better understand why some people go on to develop long COVID-19 and others do not. • Michigan Medicine is launching the pediatric Post-COVID Lumeng said. "I think the most recent study I saw in children, specifically, estimated maybe 30% to 40% have some degree of long-term symptom. • "I think there are 115,000 children who have been diagnosed with positive for COVID in Michigan, so that's a lot of kids," he said. Syndrome Clinic as well. It'll operate out of C.S. Mott Children's Hospital, and will include treatment not only for children who had COVID-19 but also those who develop multisystem inflammatory syndrome in children, known as MIS-C. • Dr. Carey Nien-Kai Lumeng, a professor of pediatrics in the

COVID-19 Patient Recovery Alliance Research Tracker

Date	Article	Publication	Key Takeaways
			division of pediatric pulmonology at the University of Michigan's C.S. Mott Children's Hospital.
3-May-21	Finding Hope For Long COVID	Chronogram	<ul style="list-style-type: none"> • Anecdotal, repeats 15-30% figure, mentions different treatment centers and advocacy groups. • The Mount Sinai Hospital Center for Post-COVID Care in Manhattan was first on the scene in May 2020. WMCHealth launched its official program in October but had been treating such patients all along. And Nuvance Health—which includes Northern Dutchess Hospital in Rhinebeck, Putnam Hospital in Carmel, and Vassar Brothers Medical Center in Poughkeepsie—now has a robust multidisciplinary program as well for long COVID survivors. • Paul Wright, MD, a neurologist in Poughkeepsie and senior vice president and system chair of the Neurosciences Institute, who has witnessed COVID's devastating effects on many people, explains that the coronavirus's spike proteins can potentially wreak havoc anywhere in the body because they attach to receptors in many different places.
4-May-21	Most long COVID-19 sequelae affect people under 65, finds study	MedRXIV	<ul style="list-style-type: none"> • Evolving Phenotypes of non-hospitalized Patients that Indicate Long Covid • Not per-reviewed. • “Among these phenotypes, a new diagnosis record for anosmia and dysgeusia (OR 2.17, 95% CI [1.42 - 3.25]), alopecia (OR 3.54, 95% CI [2.92 - 4.3]), chest pain (OR 1.35, 95% CI [1.16 - 1.56]), or chronic fatigue syndrome (OR 1.81-2.28, 95% CI [1.38 - 3.68]) are the most significant indicators of a past COVID-19 infection, especially among women younger than 65. “ • “These findings suggest that some of the previously identified post sequelae of COVID-19 may not be accurate and that most of the PASC are observed in patients under 65 years of age.” • Evolving Phenotypes of non-hospitalized Patients that Indicate Long Covid medRxiv
4-May-21	When Your Symptoms Just Won't Go Away: What Is 'Long COVID' and Who Does It Affect?	8List	<ul style="list-style-type: none"> • Mentions definition, symptoms, population affected, and studies • In another study made by the University of Leicester that tested over 1,000 people, 7 out of 10 respondents had not fully recovered 5 months after being discharged from the hospital. And among those people, 1 out of 5 could have the possibility to develop a new health impairment.
5-May-21	Evolution of COVID-19 symptoms during	MedRX	At nine months after illness onset, almost half of all participants (42.1%[95%CI=35.6-48.5]) continued to report ≥1 symptom.

COVID-19 Patient Recovery Alliance Research Tracker

Date	Article	Publication	Key Takeaways
	the first 9 months after illness onset		<p>Recovery was slower in participants with BMI\geq30kg/m² (HR 0.51[95%CI=0.30-0.87]) compared to those with BMI<25kg/m², after adjusting for age, sex and number of comorbidities.</p> <p>Conclusions: COVID-19 symptoms persisted for nine months after illness onset, even in those with mild disease. Obesity was the most important determinant of time to recovery from symptoms.</p>
11-May-21	Mental health of Adolescents in the Pandemic: Long-COVID19 or Long-Pandemic Syndrome?	Clinical Trials Arena	<p>To better understand the symptoms of long-COVID19 in adolescents and to distinguish infection-associated symptoms from pandemic-associated symptoms, we conducted a Long-COVID19 survey, comparing responses from seropositive and seronegative adolescents.</p> <p>12 question Long-COVID19 survey regarding the occurrence and frequency of difficulties concentrating, memory loss, listlessness, headache, abdominal pain, myalgia/ arthralgia, fatigue, insomnia and mood (sadness, anger, happiness and tenseness).</p> <p>The lack of differences comparing the reported symptoms between seropositive and seronegative students suggests that Long-COVID19 might be less common than previously thought and emphasizing the impact of pandemic-associated symptoms regarding the well-being and mental health of young adolescents.</p>
11-May-21	Ampio gets approval to begin Phase I trial for long-haul Covid-19 (clinicaltrialsarena.com)	Clinical Trials Arena	<p>Ampio Pharmaceuticals has secured Investigational Review Board (IRB) approval for its Phase I trial against long-haul Covid-19. Named AP-018, the trial will assess the use of inhaled Ampion to treat patients with prolonged respiratory Covid-19 symptoms or Post-Acute Sequelae of SARS-CoV-2. Enrolment is set to begin soon. Focused on respiratory symptoms.</p>
12-May-21	Fatigue, mood disorders associated with post-COVID-19 syndrome (medicalxpress.com)	Medical Xpress	<p>Patients diagnosed with post-COVID-19 syndrome, also known as "PCS," "COVID-19 long-haul syndrome" and "Post-Acute Sequelae of SARS COV-2," experience symptoms such as mood disorders, fatigue and perceived cognitive impairment that can negatively affect returning to work and resuming normal activities, according to a Mayo Clinic study published in Mayo Clinic Proceedings.</p> <p>Nonetheless, the symptoms often resulted in significant negative effects as patients tried to return to normal daily activities, including work. "Most patients with whom we worked</p>

COVID-19 Patient Recovery Alliance Research Tracker

Date	Article	Publication	Key Takeaways
			<p>required physical therapy, occupational therapy or brain rehabilitation to address the perceived cognitive impairment," says Dr. Vanichkachorn.</p> <p>https://www.mayoclinicproceedings.org/article/S0025-6196(21)00356-6/fulltext</p>
12-May-21	What is Long COVID and how do you treat it?	CNET/MSN	<ul style="list-style-type: none"> • Basic informative article. Describes long covid, symptoms, and treatments. • One study found that 27% of patients with COVID-19 who hadn't been hospitalized had persisting symptoms, and another found that about 75% of patients who had been hospitalized developed Long COVID.
12-May-21	In Long COVID, Advocates Battling Chronic Fatigue Syndrome See Allies, Hope	US News	<ul style="list-style-type: none"> • ME/CFS – a condition characterized by profound and disabling fatigue, with symptoms that also can include dizziness and problems concentrating – has found its way into the discourse surrounding long COVID, which is marked by symptoms of illness that persist or occur long after an initial case of COVID-19. Between 836,000 and 2.5 million people in the U.S are estimated to have ME/CFS, and research has shown the condition is more likely to occur in women. • Rep. Don Beyer, a Virginia Democrat, also recently said he was reintroducing a bill with Rep. Jack Bergman, a Michigan Republican, to fund more research tied to long COVID. Rep. Jamie Raskin, a Maryland Democrat, also is backing the bill. • Raskin had introduced a long covid bill but it did not advance. • Grant awards for the long COVID initiative are expected to be announced in the coming weeks. Leaders of Body Politic – a collective that includes long COVID and ME/CFS patients – urged the NIH in a letter to prioritize funding projects that build upon ME/CFS research when granting awards, saying the agency "now has an opportunity to provide answers to this growing population and adjacent groups that have historically been deprioritized for funded research."
12-May-21	Latest study reveals the link between fatigue, mood and post-coronavirus syndrome	MSN	<ul style="list-style-type: none"> • Article regarding study that was tracked yesterday mentioning mood disorders and fatigue • Of the patients in the study, 80 per cent reported unusual fatigue, while 59 per cent had respiratory complaints and a similar percentage had neurologic complaints. More than one-third of patients reported difficulties performing basic activities of daily living, and only 1 in 3 patients had returned to unrestricted work activity.

COVID-19 Patient Recovery Alliance Research Tracker

Date	Article	Publication	Key Takeaways
12-May-21	Fatigue, mood disorders associated with post-COVID-19 syndrome, ScienceDaily	ScienceDaily	<ul style="list-style-type: none"> • The study reports on the first 100 patients to participate in Mayo Clinic's COVID-19 Activity Rehabilitation program (CARP), one of the first multidisciplinary programs established to evaluate and treat patients with post-COVID-19 syndrome. The patients were evaluated and treated between June 1 and Dec. 31, 2020. They had a mean age of 45, and 68% were female. They were evaluated a mean of 93 days after infection. • The most common symptom of patients seeking evaluation for post-COVID-19 syndrome was fatigue. Of the patients in the study, 80% reported unusual fatigue, while 59% had respiratory complaints and a similar percentage had neurologic complaints. More than one-third of patients reported difficulties performing basic activities of daily living, and only 1 in 3 patients had returned to unrestricted work activity.
13-May-21	Study by the Mayo Clinic released about COVID-19 Long-Haulers Syndrome shows surprising findings	WXYZ	<ul style="list-style-type: none"> • “Most of them were experiencing just mild symptoms and they went on to develop long haul COVID symptoms,” said Dr. Vanichkachorn. • Also, 68% were female and they are trying to determine if women are affected worse than men. The most common symptom is fatigue, next shortness of breath, followed by headaches. Problems with thinking memory and multi-tasking better known as brain fog. • Mentions vaccines’ effect: • “The vaccine when it interacts with the immune system it either boosts the immune system or restarts it and that’s how patients are able to recover,” said Dr. Vanichkachorn.
14-May-21	Post-COVID Syndrome, Fatigue and Mood Are Linked To Each Other: Study	OnlyMyHealth	<ul style="list-style-type: none"> • The Journal Mayo Clinic Proceedings published a study that talks about the post-COVID-19 syndrome as the research team analysed data of over 100 recovered covid patients. In almost 80 percent of them who suffered PCS, fatigue was common. Apart from that, mood & concentration problem was second. Neurologic complaints were also recorded and some patients couldn’t get back to their normal routine as they failed to cope up with the virus. • “While many patients had fatigue, more than half also reported troubles with thinking, commonly known as ‘brain fog.’ And more than one-third of patients had trouble with basic activities of life. Many could not resume their normal work life for at least several months,” he added.(Dr. Greg Vanichkachorn)

COVID-19 Patient Recovery Alliance Research Tracker

Date	Article	Publication	Key Takeaways
13-May-21	In for the COVID-19 long haul as virus symptoms baffle survivors long-term effects has medical community stumped	Charlotte Post	<ul style="list-style-type: none"> o Cites neurological study already tracked. o Repeats 10-30 percent figure. o Mostly anecdotal, describes CFS and other symptoms and recovery methods.
19-May-21	Study finds long-haul COVID-19 common, in even those with mild disease	CIDRAP	<ul style="list-style-type: none"> • “The researchers surveyed 593 Michigan adults who had a symptomatic COVID-19 diagnosis through mid-April 2020.” • “Respondents with very severe symptoms were 2.25 and 1.71 times more likely to have 30- and 60-day COVID-19 symptoms, respectively, than those who had mild cases. Similarly, those who were hospitalized had about 40% higher crude increased odds of 30- or 60-day COVID-19 symptoms (crude odds ratio [OR], 1.37 and 1.40, respectively). Still, long-term COVID-19 also occurred in non-hospitalized patients (43.7% at 30 days and 26.9% at 60 days) and those with mild symptoms (29.2% at 30 days and 24.5% at 60 days).” • “...the researchers' adjusted models showed significant links only for psychological disorders (OR, 1.42 for 60-day symptoms), low household income (OR, 1.38 to 1.40 for income below \$75,000 for 30-day symptoms)...”
10-May-21	Study identifies most persistent neurological problems during long COVID-19	NewsMedical	<ul style="list-style-type: none"> • A meta-analysis of 51 studies with almost 20,000 long-COVID patients found that the most reported neuropsychiatric long-COVID symptom was difficulty sleeping, which about 1 in 4 experienced. • Further, the meta-analysis found that hospitalization did not make a difference in prevalence of neuropsychiatric symptoms.
19-May-21	Joe Biden Advisor Says His Son Is Battling Long-Term COVID: 'His Hands Are Cold to the Touch'	People	Andy Slavitt has recently opened up about his son’s long-term battle with COVID-19.
27-May-21	Long-COVID-19 Patients Are Getting Diagnosed With Rare Illnesses Like POTS	Times	Long-COVID patients are being diagnosed with postural orthostatic tachycardia syndrome, or POTS, a disorder of the autonomic nervous system, which controls involuntary functions such as heart rate, blood pressure and vein contractions that assist blood flow. It’s a serious condition that sometimes overlaps with autoimmune problems, which involve the immune system attacking healthy cells. Before COVID-19, an estimated 3 million Americans had POTS.

COVID-19 Patient Recovery Alliance Research Tracker

Date	Article	Publication	Key Takeaways
26-May-21	New imaging tech finds hidden lung damage in long COVID patients	NewsAtlas	<p>A new type of imaging technology has detected lung damage in patients suffering from the long-term effects of COVID-19.</p> <p>technology called hyperpolarized xenon MRI (129Xe MRI). The technology offers incredibly detailed insights into lung function and gas transfer into the bloodstream.</p> <p>The revolutionary imaging technique is offering some of the first empirical signs of lung damage in long COVID patients, affirming this is not merely a hypochondriacal condition. The findings also offer researchers a useful way to monitor lung damage, with future studies now able to track how long the damage may last for, and whether any particular interventions can help.</p>
26-May-21	7 Out of 10 Hospitalized for COVID Have Long-Haul Symptoms	WebMD	<ul style="list-style-type: none"> • 45 studies that were published between January 2020 and March 2021. The studies included more than 9,700 COVID-19 patients. Of those, 83% had been hospitalized. • They found that 72.5% of study participants reported still having at least one of 84 persistent symptoms or clinical signs, with the most common being fatigue (40%), shortness of breath (36%), sleep disorders (29%), inability to concentrate (25%), depression and anxiety (20%), and general pain and discomfort (20%). • 45 studies that were published between January 2020 and March 2021. The studies included more than 9,700 COVID-19 patients. Of those, 83% had been hospitalized. • They found that 72.5% of study participants reported still having at least one of 84 persistent symptoms or clinical signs, with the most common being fatigue (40%), shortness of breath (36%), sleep disorders (29%), inability to concentrate (25%), depression and anxiety (20%), and general pain and discomfort (20%).
31-May-21	Long-Covid-19 in children is debilitating but there is hope	khmertimes	<ul style="list-style-type: none"> • Many Children are facing long-COVID symptoms that persist for over a year; • Symptoms include headaches, nausea, sore throat, stomach pain and rapid heart rate; • The most persistent symptom is fatigue; • Symptoms have been severe enough to effect traditional school completion times and could lead to Long-haulers being held back.

COVID-19 Patient Recovery Alliance Research Tracker

Date	Article	Publication	Key Takeaways
30-May-21	12 signs of long COVID to discuss with your doctor	Buisnessinside r	<ul style="list-style-type: none"> • No formal diagnostic guidelines exist yet to confirm that someone is suffering from long-COVID. • CDC is working on guidelines for diagnosing long-COVID; • Figures for Long-haulers range from 1 in 10 COVID patients to 1 in 3; • Here are 12 symptoms to look out for in connection with Long COVID; (See bottom of article)
29-May-21	KIDS ARE ALRIGHT Long Covid has a minimal impact on children who recover in less than a week from killer virus, study shows	thesun	<ul style="list-style-type: none"> • Less than 2 percent of children suffer from Long COVID • Children under 15 seem to be much more resilient to COVID-19 and Long Covid than adults; • If a child has COVID-19 symptoms for less than a week it is very unlikely they will have Long-COVID
11-May-21	Study reveals acute immunologic changes in children with long COVID (news-medical.net)	News Medical Life Sciences	<p>Many reports are beginning to emerge on the ‘long COVID’ phenomenon. But a new study, released as a preprint on the medRxiv* server, describes, for the first time, immunologic changes observed in Nchildren with PASC.</p> <p>All children had persistent symptoms for over five weeks, involving two or more body systems. Children with a history of COVID-19 but with no residual symptoms were enrolled as a control group.</p> <p>https://www.medrxiv.org/content/10.1101/2021.05.07.21256539v1</p>
10-May-21	Researchers fear people of color may be disproportionately affected by long Covid	STAT	<ul style="list-style-type: none"> • Researchers and experts at long-COVID clinics across the nation highlight that “the same reasons that caused certain racial and ethnic groups to experience higher infection rates and illness severity may be responsible for driving disparities in the treatment of long Covid.” • Experts note lack of collection of long-COVID data by race/ethnicity. “Just as with acute Covid, data on race and ethnicity at the beginning was not being reported accurately. And it still isn’t reported as accurately as you want: first of all,

COVID-19 Patient Recovery Alliance Research Tracker

Date	Article	Publication	Key Takeaways
			<p>who is getting tested, who’s getting diagnosed, and who is getting long Covid in terms of racial and ethnic breakdown.”</p>
20-May-21	Swiss study suggests very low prevalence of long COVID in pediatric population	News Medical Life Sciences	<ul style="list-style-type: none"> • A longitudinal cohort study based in Switzerland analyzed long-COVID symptoms in 2,500 children and adolescents with a 6-month follow-up. • Results show that seropositive children did not report long-COVID more frequently compared to seronegative children, suggesting very low prevalence of long-COVID in pediatric population. • Link to study
1-May-21	How Opioids Could Treat COVID Long Haul Symptoms	NPR	<ul style="list-style-type: none"> • “Almost 10% of those who survive COVID-19 still have a battle ahead, what’s now called long COVID. Symptoms include exhaustion, brain fog, stubborn loss of taste or smell and persistent bone and muscle pain. Now a new study in the scientific journal Nature says a treatment could present another epidemic among this group - opioid addiction.” • Discussion about VA study and increase in opioid consumption for long haul covid symptoms. The study is one that we have tracked already, but didn’t emphasize this point.
5-May-21	Dell Technologies and i2b2 tranSMART Foundation Create "Digital Twins" to Treat Long-Haul COVID-19	Cision	<ul style="list-style-type: none"> • Through Dell Technologies' modern infrastructure, the i2b2 tranSMART community will use de-identified patient data to produce digital twins. Researchers can then perform millions of individualized treatment simulations on the digital twins to determine the best possible therapy option for patients, based on genetic background and medical history. • AI-driven research and digital twins will support hospitals and research centers globally and contribute to Dell's goal to use technology and scale to advance health, education and economic opportunity for 1 billion people by 2030. Initially, researchers will use the data enclave to power 70,000 patients' tests, simulations and analyses, which will be shared with the 4CE Consortium, an international coalition of more than 200 hospitals and research centers. • Repeats 1 in 20 figure for Long COVID.

COVID-19 Patient Recovery Alliance Research Tracker

Date	Article	Publication	Key Takeaways
6-May-21	How do we learn about COVID-19 long-haulers? Tracey Welson-Rossman's new app helps them track symptoms	Technically	<ul style="list-style-type: none"> • Tracey Welson-Rossman of Chariot Solutions and TechGirlz has launched a tech tool to track and learn from these ongoing symptoms. Journal My Health, an app for long haulers and others with chronic health conditions, just launched to iOS users last week. The startup's product tracks a person's symptoms in journal form, integrates data from other health apps and helps report patterns to a patient's healthcare team. • Repeats 10% figure • The Journal My Health app was built by Chariot Solutions, the IT consulting firm where Welson-Rossman is CMO, but she said it plans to operate as a separate entity. She's currently working with Dr. Marta Becker, an ENT specialist who's begun to see long-hauler patients. Becker is the company's chief medical officer, while Welson-Rossman is the CEO.
27-May-21	COVID-19 long haulers seek more help from the government (wptv.com)	WPTV	<ul style="list-style-type: none"> • Democratic Congressman Don Beyer of Virginia has introduced a \$90 million bipartisan bill. It would create a patient registry where long haulers could self-report their symptoms and treatments that have worked for them. And it would provide the CDC with funding to educate medical providers and the general public about long COVID. • Covid patients have reported long term side effects that include headaches, trouble sleeping, swollen limbs, and other symptoms. • In February, the NIH launched a \$1.15 billion initiative to study and collect data on long COVID, its causes, and possible treatments. The four-year program is only in the beginning stages.
27-May-21	Nearly \$100M in Long COVID Funding Introduced in Congress	PR News	<ul style="list-style-type: none"> • Rep. Don Beyer (D-VA) and Rep. Jack Bergman (R-MI) have introduced the historic COVID-19 Long Haulers Act (H.R. 2754)—bipartisan legislation authorizing and funding research and education initiatives benefiting so-called "long haulers," an estimated 25–35% of COVID-19 patients • The COVID-19 Long Haulers Act (H.R. 2754) would authorize: <ul style="list-style-type: none"> ○ \$30 million for research and development of centralized patient registries and biobanks through the Patient-Centered Outcomes Research Institute (PCORI) ○ \$33 million for the Agency for Healthcare Research and Quality (AHRQ) and Centers for Medicare & Medicaid Services (CMS) to research and provide recommendations to improve the health care system's response to long-term symptoms of COVID–19 ○ \$30 million for the Centers for Disease Control and Prevention (CDC) to develop and disseminate information for medical

COVID-19 Patient Recovery Alliance Research Tracker

Date	Article	Publication	Key Takeaways
			<p>providers and the general public about common symptoms, treatment, and other post-viral illnesses</p>
11-May-21	A Year Later, Few Essential Workers Have Received Restitution for Getting Covid on the Job	Gotham Gazette	<p>A recent study from the New York Committee for Occupational Safety and Health (NYCOSH), a workers' safety advocacy group, estimated as many as 250,000 workers are eligible for workers comp for contracting the coronavirus but only about 21,000 have applied. Of those, fewer than 2,100 have received it, the report states. "The Workers' Comp Board in New York State has a history of not doing the appropriate amount of outreach to workers about their eligibility for workers' compensation," said Charlene Obernauer, executive director of NYCOSH, in an interview.</p>
30-May-21	The "Long COVID" Economy	NASDAQ	<ul style="list-style-type: none"> • Over 600,000 Americans have died from Covid-19; • Another 400,000 have died as a result of not obtaining proper medical services due to Covid; • On average 9 Years of life have been lost from Covid Deaths; • For every Covid death 6-8 people have long Covid • The deaths as well as the large portion of Long-haulers seeking relief will have large economic effects because productivity has been reduced as well as demand. • The economy will likely take a large dip due to a reduction in supply and demand.
30-May-21	Covid-19 infection leaves big medical bills for some survivors	KMOV4	<ul style="list-style-type: none"> • A large portion of COVID-19 survivors are facing extreme debt due to the costly price of being hospitalized for the condition. • Long-Haulers can face even more severe debt because of their inability to work in the coming months and their follow-up care. • Democratic Senator Tina Smith of Minnesota wants to make sure people don't face unexpected bills if they become sick with Covid-19. Smith' has a piece of legislation -- Covid-19 Treatment Coverage Act -- that has been awaiting review by the Senate Committee on Health, Education, Labor, and Pensions since August 2020. • Even after hospital discounts, and insurance patients can have bills in the tens of thousands of dollars