

Addressing the healthcare staffing shortage

An exploration of why the industry is losing thousands of workers, and how that's putting the health of healthcare at risk

A Definitive Healthcare report

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“Some people just don’t know when to quit.”

It might be time to retire this old cliché. As it turns out, people do know when to quit, and they’re quitting their jobs by the millions.

“The Great Resignation,” [a term coined in May 2021](#), is an economic trend in which millions of workers are quitting their jobs, switching industries, moving into nontraditional roles, retiring early, and reinventing their ideal career.

The numbers are staggering. According to the [U.S. Bureau of Labor Statistics](#), more than 47 million Americans left their jobs in 2021. The trend doesn’t seem to be slowing down either, as a [McKinsey](#) report published in July 2022 found that 40% of employees are currently considering leaving their jobs.

47 million

Americans left their jobs in 2021

It’s a revolution sweeping every corner of the economy, and the healthcare industry is no stranger to this phenomenon. Since 2020, [one in five healthcare workers have quit their jobs](#), and surveys suggest that up to [47% of healthcare workers plan to leave their positions by 2025](#). The U.S. is suffering from a significant [healthcare worker shortage](#), and early data shows that this is going to have near-term and long-term effects on both patient care and hospital and physician performance.

In this report, we use healthcare commercial intelligence from the Definitive Healthcare platform and other research from external sources to thoroughly examine the impact of the provider staffing shortage from multiple angles. We’ll examine trends related to employee retention, facility financial performance, physician burnout, and more. And finally, we briefly investigate some of the technologies and strategies that can help address the staffing shortage.

The report is divided into three parts:

- ✓ **Part I:** The current state of the staffing shortage
- ✓ **Part II:** The biggest challenges that healthcare organizations are navigating
- ✓ **Part III:** How did we get here? And what will the future look like?

From these findings, healthcare organizations can get a better understanding of the elements contributing to the ongoing provider staffing shortage and the challenges and obstacles the future may hold. In addition, healthcare providers and staffing and recruiting agencies can leverage this report to help guide their strategic planning and make more informed decisions as the landscape continues to evolve.

Part I: The current state of the staffing shortage

Nearly three years after the CDC confirmed the first case of COVID-19 in the U.S., the pandemic continues to affect communities across the country.

Healthcare workers on the frontlines face an unprecedented degree of pressure from multiple sources. New coronavirus variants, an evolving set of rules and regulations at the federal and state level, delays in care, and even pushback from patients with strongly felt personal or political beliefs are straining healthcare workers to their breaking point.

At the same time, hospitals and health systems are struggling to overcome mounting financial challenges spurred by the pandemic. A report published by the American Hospital Association (AHA) estimated that hospitals nationwide lost upwards of \$54 billion in net income during the pandemic.

It's clear COVID-19 has had a significant toll on the health and wellbeing of providers and hospitals alike. As a result, hundreds of thousands of physicians and other healthcare workers are leaving their positions. Let's look at the current state of the staffing shortage and see which specialties and facilities are impacted the most.

The types of providers leaving the workforce

The chart below shows the quantity and types of healthcare professionals leaving the workforce as of Q4 2021.

THE HEALTHCARE PROFESSIONALS WHO LEFT THE WORKFORCE IN Q4 2021

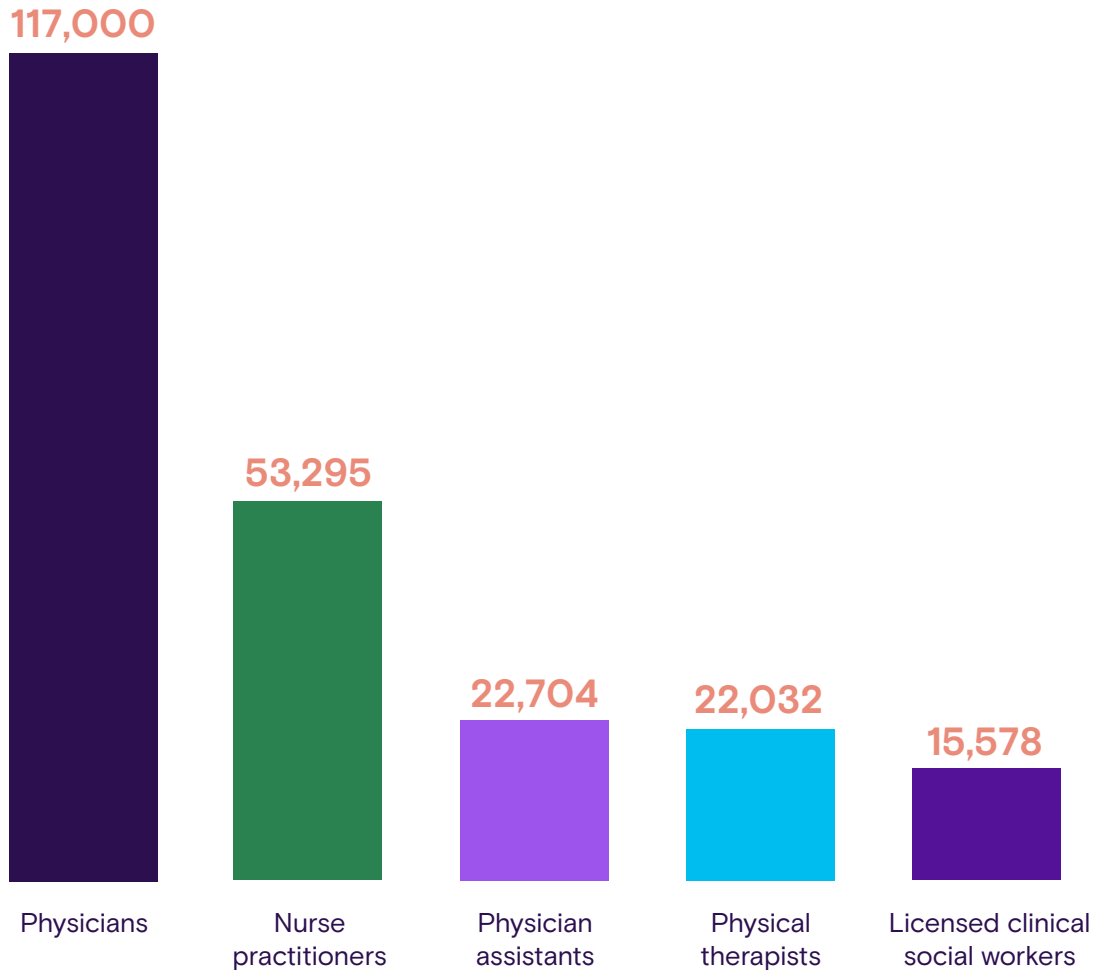


Fig. 1 Analysis of data from Definitive Healthcare's [ClaimsMx](#) and [PhysicianView](#) products. Based on the number of providers billing each year (by primary specialty on medical claims). Data accessed August 2022.

As of Q4 2021, a total of 230,609 healthcare providers have left the profession. There are multiple different reasons behind their departure. Many of these healthcare providers work in direct contact with older adults and people living with disabilities, two patient populations who are more vulnerable to COVID-19. As a result, these providers are more exposed to the negative effects of treating COVID-19 patients: a fear of infection, untenable hours, depression and stress, and the emotional toll of the loss of patients, as well as the loss of their colleagues fighting the pandemic.

One concerning outcome of The Great Resignation is the more than 53,000 nurse practitioners who have left the workforce. While it's likely that many nurse practitioners left the workforce for the reasons above, recent data suggests these workers are instead transitioning into new roles.

It's no secret that the pandemic transformed the way patients engage with their doctors and receive care. Unable to visit their doctors face-to-face, patients instead turned to outpatient clinics, ambulatory surgery centers, and home healthcare agencies, and used telemedicine to get the care they need.

As the landscape changed, new opportunities arose for healthcare workers, particularly nurses. The growing demand for specialized care, alongside the growing population of patients and older adults pursuing care at home, has encouraged many nurse practitioners to become travel nurses.

Travel nurses are registered nurses who take temporary nursing positions in hospitals, clinics, and other high-need facilities. In 2021, the demand for travel nurses grew by 35%. Many nurses transitioned into a travel nurse role to take advantage of dramatically increased pay, flexible working hours, and better locations.



Demand for travel nurses plummeted by 33% in the first half of 2022

Recent trends, however, suggest that the tide may be turning for travel nurses. Data from staffing agency Aya Healthcare indicates that national demand for registered travel nurses plummeted by 33% from January 2022 to April 2022. NBC reports that stable COVID-19 hospitalization rates and depleted relief funding are likely contributing to this decline. The article goes on to explain how less demand has led to a considerable, and abrupt, decline in pay, which has left many travel nurses shocked and feeling pressured to accept lower-paying contracts they might have otherwise declined.

While it may be too early to speculate if demand for travel nurses will rise once again, it's clear that the role of a nurse—and how much their expertise is worth—is in flux. Registered nurses and staffing and recruiting agencies will need to keep a close eye on market opportunities as the healthcare industry continues to evolve.

Physician specialties that have lost the most providers

Physicians across every specialty of medicine have been leaving the profession. The chart below shows the top ten specialties that lost the most providers in 2021.

PHYSICIAN SPECIALTIES MOST IMPACTED BY STAFFING SHORTAGES

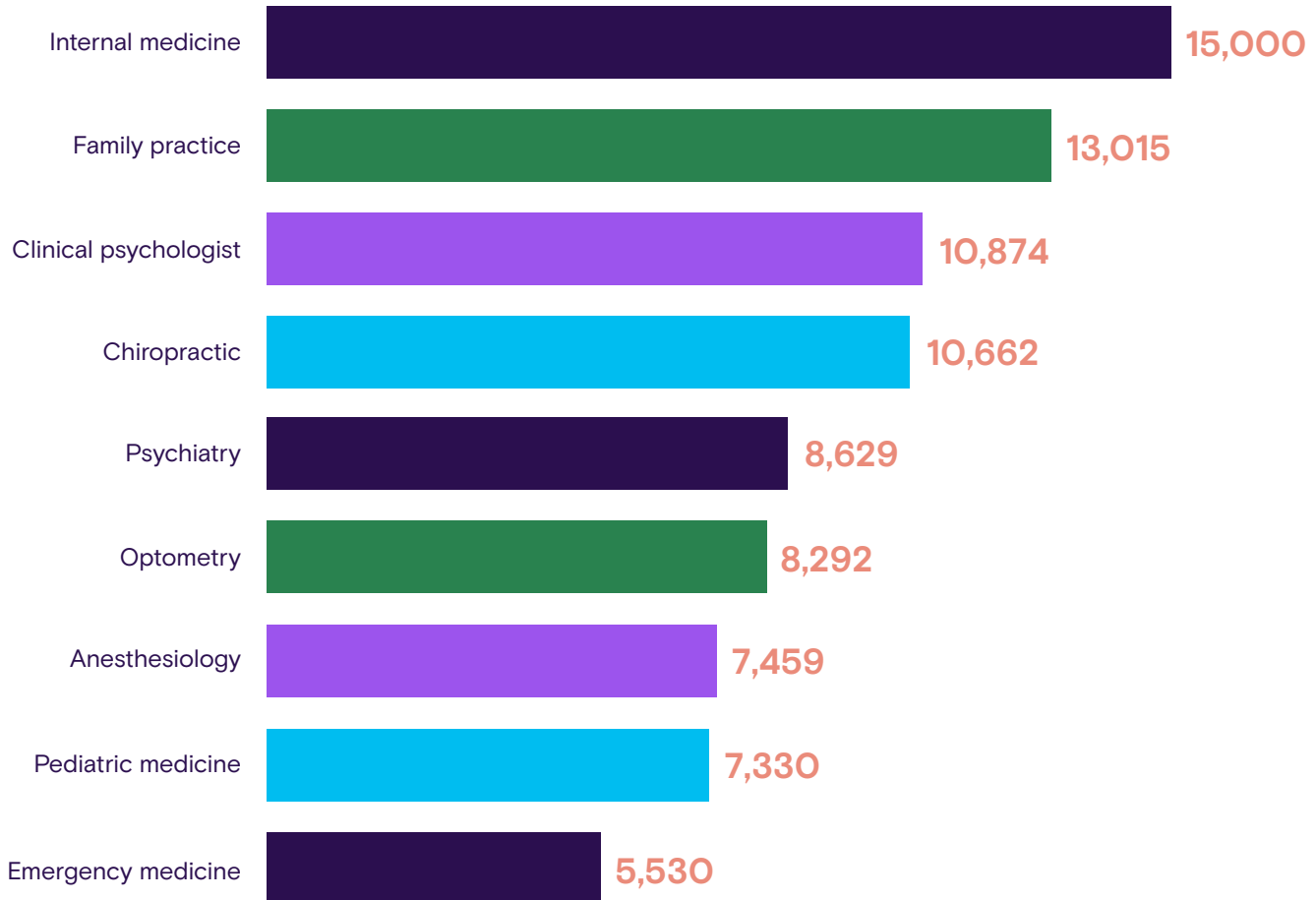


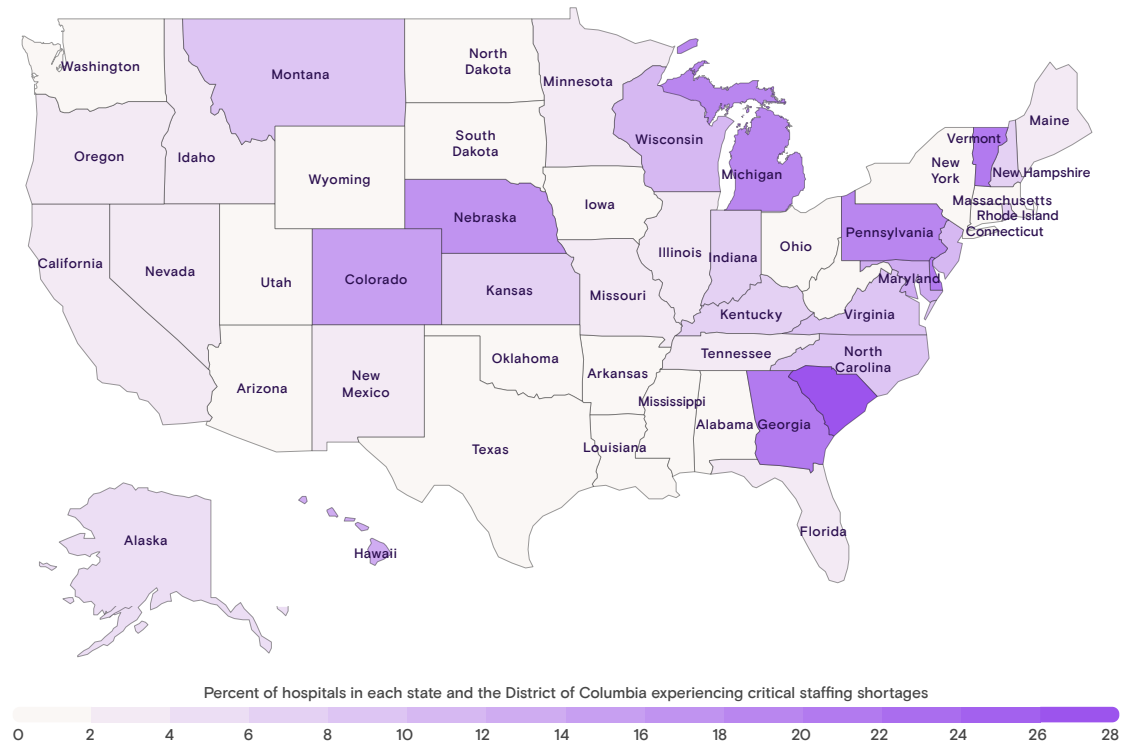
Fig. 2 Analysis of data from Definitive Healthcare's [ClaimsMx](#) and [PhysicianView](#) products. Based on the numbers of providers billing each year (by primary specialty on medical claims). Data accessed August 2022.

According to Definitive Healthcare data, an estimated 333,942 healthcare providers dropped out of the workforce in 2021. The provider specialties that experienced the greatest declines comprised about 26% (86,791) of that total. Among them were practitioners in the internal medicine, family practice, and emergency medicine fields. Like clinicians and registered nurses, providers in these three specialties frequently worked on the frontlines during the pandemic, risking exposure and facing many of the same pressures and stressors as described earlier.

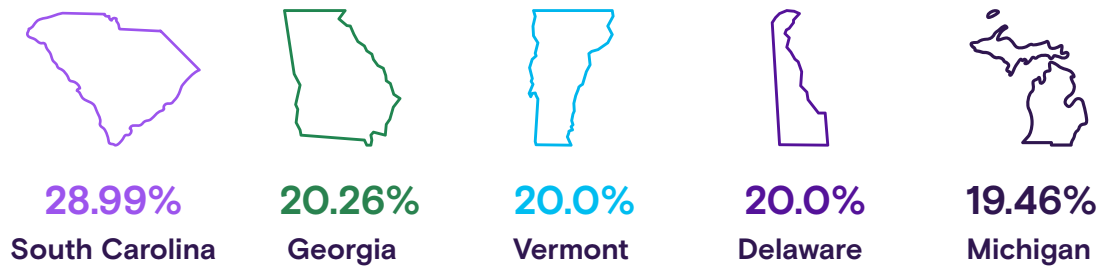
The considerably high number of professionals leaving chiropractic care and optometry fields may also indicate the significance of some of the ways COVID-19 impacted healthcare. Examinations in both fields typically require the patient to meet face-to-face with their doctor, which wasn't always possible during the height of the pandemic. This contributed to **billions of dollars in lost revenue** for medical practices of all specialties, but chiropractic care and optometry may have faced more difficulty recouping costs or adapting due to the complex technologies involved or physical contact needed to examine the patient. To compensate, many practices resorted to **furloughing employees or shuttering their doors**—sometimes for good.

Hospitals across the U.S. are facing critical staffing shortages

Hospitals across the country are grappling with widespread staffing shortages. Using data from the **Department of Health and Human Services** and Becker's Hospital Review, it's possible to see which states have the highest percentage of hospitals experiencing critical staffing shortages. A "critical" designation is declared when a facility has activated its contingency staffing strategy and has **exhausted all options to address staffing needs**.



From the heatmap, the five states with hospitals experiencing the most critical staffing shortages are:



There may be multiple reasons why hospitals in these states are reporting high numbers of critical staffing shortages. According to the [New York Times](#), coronavirus cases and hospitalizations have fallen steadily throughout August. However, Georgia, Michigan, and South Carolina all rank highly on the total number of COVID-19 cases during the month. In [Statista's August 2022 report](#) of COVID-19 cases across the U.S., Georgia, Michigan, and South Carolina are ranked 9, 10, and 19 respectively.

Interestingly, Delaware and Vermont reported far fewer COVID-19 cases and are ranked 45 and 52 (accounting for Puerto Rico and the District of Columbia). This ranking may indicate that handling coronavirus cases aren't the only factor contributing to shortages.



Part II: The biggest challenges that healthcare organizations are navigating

When any organization is short on staff, the consequences are immediately and tangibly felt. Operations are scaled back, hours are reduced, and some companies close their doors altogether. Shortages in the healthcare industry not only affect providers and an organization's bottom line, but they also negatively impact communities by creating unforeseen challenges and reinforcing barriers to care.

In this part of the report, we'll explore some of the current and future problems created by—or made worse by—the provider staffing shortage. These challenges are:

- Hospitals are spending more on contract labor
- Healthcare organizations are feeling pressured to consolidate
- The safety of patients is at risk
- The knowledge pool is being drained
- Rural communities are suffering (and may continue to suffer)

Hospitals are spending more on contract labor

During the early days of the pandemic in 2020, the healthcare market faced significant declines in patient volumes. This was caused by safety concerns about contracting the coronavirus, the mandated cancellations of elective surgeries, supply chain issues, and facility capacity problems due to the need to prioritize COVID-19 cases.

This decline in patient volumes led to massive financial losses for health systems. Further compounded by staffing shortages, hospitals relied on contracted labor and temporary healthcare staffing agencies to supplement their care teams and keep costs low, because contract labor can be scaled to demand.

The market has changed since the early years of the pandemic, and new data suggests that rising inflation and increasing prices across the healthcare industry is making reliance on contract labor problematic for a hospital's balance sheet.

According to a Kaufman Hall report, hospitals have seen their per-patient labor expense increase dramatically in recent years, from \$4,009 in 2019 to \$5,494 in 2022. Using data from Definitive Healthcare's HospitalView product and the Medicare Cost Report, it's possible to see which hospitals are spending more on contract labor, due to the correlation between hospital bed count and operational expense.

AVERAGE INCREASE IN CONTRACT LABOR EXPENSE AND AVERAGE SHARE OF TOTAL EXPENSE BY BED SIZE

↑ Average increase 2016 to 2020 ↑ % of total operating expense 2020

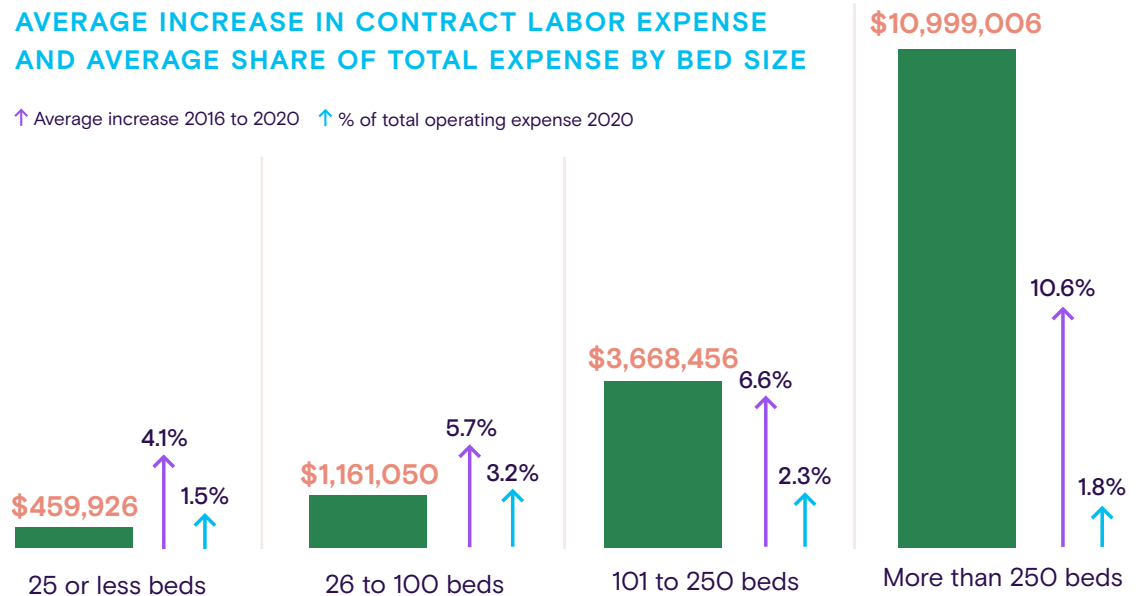


Fig. 4 Data is from the Definitive Healthcare [HospitalView](#) product. Data is sourced from the [Medicare Cost Report](#). Results based on 3,008 U.S. hospitals with reported contract labor expenses in 2020. Data accurate as of July 2022.

Hospitals with 25 beds or fewer spent only about \$460,000 on contract labor in 2020 compared to facilities with more than 250 that spent nearly \$11 million on average. In addition, hospitals with more than 250 beds had the highest average annual increase in contract labor expenses since 2016 at more than 10%.

Interestingly, contract labor expenses made up about 2% of total operating expenses for these large hospitals. Meanwhile, at hospitals with 26 to 100 beds, contract labor accounted for more than 3% of total expenses in 2020. However, it is likely these figures are much higher today. In fact, Kaufman Hall reports that contract labor expenses in 2022 now account for 12% of total labor expenses.

Healthcare organizations are feeling pressured to consolidate

Today, hospitals are operating on razor-thin margins, strained by rising inflation, staffing shortages, and COVID-19. In a 2021 report by the [American Hospital Association](#), supply costs per patient rose by 21%, medical supply costs per patient increased by 32%, and median drug costs per patient went up by 37% from 2019 to 2021.

As a result, facilities are experiencing increased pressure to scale via consolidation. [Definitive Healthcare data](#) reveal that healthcare organizations are searching for ways to lower overhead and operate at scale by adding more providers, beds, physician practices, and imaging centers to their network.

- The top 10 healthcare systems in 2019 are the same 10 systems in 2022. They own 20% of hospital beds.
- The largest healthcare systems added 10,000 beds, 35 hospitals, and 163 physician groups in the past three years.
- HCA Healthcare has remained the largest healthcare system in the U.S. since 2019. Its bed count has grown by 10%.

The safety of patients is at risk

With fewer healthcare professionals on staff, the likelihood of a medical error increases. A recent study from [Johns Hopkins Medicine](#) suggests that medical errors are now the third leading cause of death in the U.S., accounting for more than 250,000 deaths annually. To put this in perspective, more patients die from medical errors than from a stroke, Alzheimer's, or diabetes.

According to Johns Hopkins Medicine,
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>250k deaths
annually in the U.S.

According to the doctors themselves, the staffing shortage is one of the major contributors behind medical errors. In early 2022, [Survey Health Global \(SHG\)](#) and [Apollo Intelligence](#) released a report on the mental health of healthcare professionals in six nations across the globe. From the report, 34% of doctors worldwide observed increased medical errors

and attributed the cause in part to staffing shortages and constant stress. Studies have found correlation between poor mental health and burnout leading to medical errors and diminishing patient safety.

Beyond medical errors, the ongoing staffing shortage is also worsening the patient experience and the quality of care. Respondents to the SHG survey also reported that shortages have led to longer wait times for patients to receive care or outright delays in access to diagnosis and treatment. Thirty percent of respondents said staffing shortages, and the resulting delays, have increased patient suffering and negatively impacted patient health.

Overworked and understaffed medical teams may also make more avoidable mistakes when cognitive failure is high. Cognitive failure can be a result of stress, a lack of expertise to adequately deliver care, a heavy patient load, or poor mental health, among other factors. When cognitive failure is high, healthcare workers may be more likely to find shortcuts in safety procedures, insufficiently monitor patients after a procedure, or suffer injuries from physical hazards.

The knowledge pool is being drained

While a doctor or nurse who has left the workforce can be replaced, knowledge cannot. In an article published in [The Atlantic](#), Ed Yong describes how the collective knowledge loss can be damaging to both providers and patients alike when experienced healthcare professionals quit.

During the height of the pandemic, many veteran healthcare workers opted for early retirement. Some older physicians cited [personal health concerns](#) or worries about [contracting the virus](#). Others stated that stress and burnout from heavy patient loads and long hours pushed them into thinking about or pursuing retirement, according to a [2021 poll](#) by the Medical Group Management Association (MGMA).

Regardless of their reasons, when a healthcare professional leaves the workforce, everyone loses. In their article, Yong writes that the wave of retiring healthcare workers has lowered the average experience level of hospital employees.

“When inexperienced recruits are trained by inexperienced staff, the knowledge deficit deepens.”

And this can extend beyond medical expertise. The loss of veteran healthcare providers is also a blow to younger and inexperienced workers looking to develop much needed social skills learned on the job.

Yong says that the ability to question inappropriate decisions or for an inexperienced provider to recognize when they are out of their depth can be crucial to preventing medical mistakes. Their more experienced colleagues can help build these safeguards by serving as a resource for advice, guidance, and education.

[Lower quality work can have devastating outcomes for patients](#), leading to increased medical errors, reduced mortality, increased readmissions, and more.



Rural communities are suffering (and may continue to suffer)

For hospitals serving communities in rural areas, staffing shortages are nothing new. A [policy brief published in 2012](#) by the National Rural Health Association noted the significance of healthcare labor shortages across rural America and predicted that conditions weren't likely to improve in the future.



A decade later, [access to quality healthcare in rural communities remains one of the industry's most challenging problems.](#)

Statistically, rural areas tend to have [fewer physicians, nurses, specialists, and other healthcare workers](#). People living there are also more likely to be [older, less affluent, less well insured, and sicker](#) than people in urban communities.

These conditions have magnified the negative impacts of the ongoing staffing shortage, leading hospital executives to make difficult choices to stay afloat. Multiple surveys by The Chartis Group paint a grim picture. In one survey, 27% of respondents said that [nurse staffing-related issues have led to the suspension of services](#), and 22% of respondents said that is something being considered. Nearly all respondents indicated that [filling vacant nursing positions](#) was the most challenging issue.

Many nurses are leaving positions at rural hospitals for the reasons outlined in Part I: higher pay, flexible hours, and better locations to work and live. In fact, 42% of respondents from another Chartis Group survey said better [paying jobs were the number one reason behind nursing departures in 2022](#).

As larger hospitals in urban areas lure nurses and other healthcare workers with hefty bonuses, rural hospitals are struggling to compete. In contrast, [rural hospitals offer smaller salaries](#), further enhancing the attractiveness of pursuing opportunities elsewhere. Staffing shortages have pushed many small hospitals in rural areas to refuse the admittance of patients, [close inpatient wards](#) and limit or [suspend outpatient services](#).

These conditions have left rural hospitals vulnerable to closure. Meanwhile, the providers who remain open face increasing costs from recruitment and contract labor. High turnover can also make it more challenging to maintain a high standard of care and safety. And perhaps most importantly, staffing shortages are causing the erosion of trust communities have placed in the facilities that serve them. Unique solutions will need to be found to combat these problems.

Part III: How did we get here? And what will the future look like?

In this part of the report, we'll explore some of the driving forces behind the healthcare staffing shortage. They are:

- Population growth and aging is leading to increased demand for healthcare
- Physicians are nearing retirement age
- Feelings of burnout

Population growth and aging is leading to increased demand for care

Population growth is one of the primary drivers of demand for care. [Demographics data from American Association of Medical Colleges \(AAMC\) reports](#) that the U.S. population will grow from 332 million in 2022 to 361 million in 2032. We can track how many older adults there may be by 2032 by using U.S. Census Bureau data.

PEOPLE 65 YEARS AND OLDER (MILLIONS)

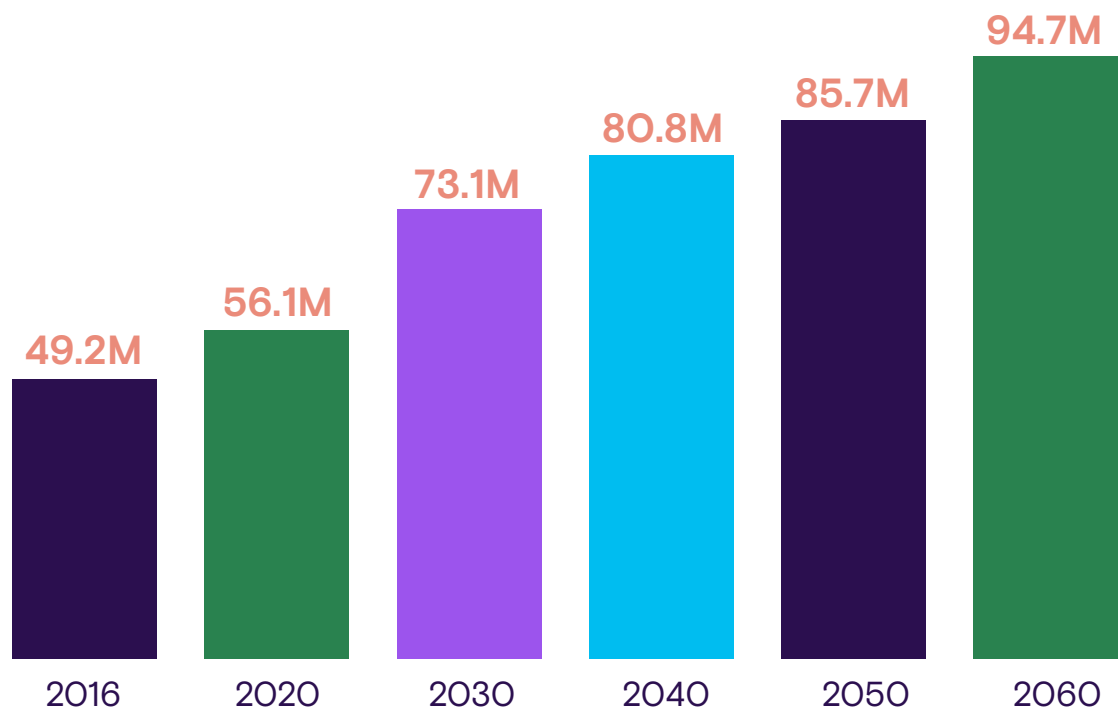


Fig. 5 Data is sourced from the [U.S. Census Bureau, 2018 National Population Projections](#).

As the population continues to age, more patients over the age of 65 will need specialized healthcare to manage chronic conditions over a longer period than previous generations. As a result, demand for geriatricians and other specialists will likely rise, shifting the balance of available providers able to serve the general population. There will be roughly 73 million adults over the age of 65 by 2032, which will account for 42% of physician demand.

Many physicians are nearing retirement age

As the general population ages, so does the healthcare workforce.

According to Definitive Healthcare data, many physicians across several healthcare specialties are on the verge of retirement or will be near that age soon. In fact, research from the [AAMC](#) found that nearly 45% of doctors are older than age 55, and more than 40% of active physicians will be 65 or older in the next ten years. A wave of retirement can be especially detrimental to the workers left behind. As described in Part II, younger and inexperienced physicians will lose a valuable learning resource, which in turn may increase the likelihood of poor health outcomes for patients.

We can use our data to determine which specialties are at risk within the next decade.

Specialty	Average age of physician
Chiropractic	61
Nurse/Nurse practitioner	57
Surgery	55
Internal medicine	53
Anesthesiology	53
Psychiatry	52
Physician assistant	52
Family practice	52
Pediatric medicine	51
Emergency medicine	50

The situation is even more concerning when we look at how many surgical specialties and other healthcare specialties have physicians near or above retirement age already.

Specialty	Average age of physician
Surgery – oral	66
Optometry	63
Clinical psychologist	63
Surgery – maxillofacial surgery	63
Chiropractic	61
Surgery – foot and ankle	61

While it may take years for many physicians to retire from the workforce, healthcare providers should be actively taking steps to address this right now. The most obvious reason to develop an action plan now is that it can take upwards of a decade to educate and train a new physician. Time, however, isn't the only concern. Feelings of burnout heightened by the COVID-19 pandemic have already pushed thousands of healthcare workers into early retirement.



Feelings of burnout

While the aging population of patients and physicians paints an uncertain future of what healthcare might look like over the next decade, physician burnout is a much more immediate concern.

Physician burnout is a feeling of long-term emotional exhaustion. The [AHRO](#) says this can damage morale, cause [healthcare professionals to quit practicing medicine](#) and even lead to [depression](#), alcohol abuse and [thoughts of suicide](#).

Burnout is a serious problem. Not only does it contribute to staffing shortages, but it can also reduce the quality of patient care or even place patients in harmful situations. [One study](#) reports that burnout can increase the likelihood of medical errors and malpractice, lower patient satisfaction, and hinder physicians from forming interpersonal relationships with their patients. Another study found that between 35% and 54% of nurses and physicians already felt [burned out before the pandemic](#). And now, many have been [“pushed to their breaking point”](#) and simply resigned.

Which physicians are the most burnt out?

In late 2021, [Medscape](#) polled more than 13,000 physicians and asked them to share their experiences and attitudes toward physician burnout and depression. According to the report, the top five physician specialties feeling the most stressed are:

Rank	Specialty	Percentage of respondents
1	Emergency medicine	60%
2	Critical care	56%
3	Ob/Gyn	53%
4	Infectious diseases	51%
5	Family medicine	51%

As the COVID-19 pandemic continues, it's no surprise that physicians in emergency medicine, critical care, infectious diseases, and family medicine are reporting how overwhelmed they feel. A recent article from [The Guardian](#) describes a wave of “compassion fatigue” targeting workers in these specialties. The post goes on to say that treating unvaccinated patients can be especially emotionally exhausting, due to strongly felt political or personal beliefs.

By using [PhysicianView](#) and [ClaimsMx](#), we can gain a better understanding of the workload of these specialties based on the average number of procedure claims per physician throughout 2021.

Primary specialty	Attending physicians	Number of claims	Average claims per physician
Emergency medicine	62,915	89,085,311	1,416
Family practice	104,918	132,960,143	1,267
Obstetrics/ Gynecology	44,636	44,235,551	991
Infectious disease	7,508	7,374,724	982
Critical care	1,923	699,727	363

While being overworked contributes to physician burnout, it's not the only factor. In fact, it's not even the primary concern held among doctors and medical students. Three of the biggest reasons why healthcare professionals are burning out are:

1. Too many administrative tasks
2. Poor work-life balance
3. Insufficient salary



Too many administrative tasks

Electronic health records (EHRs) are vitally important tools in healthcare. These systems are designed to improve communication and patient outcomes by cutting down on unnecessary paperwork and streamlining administrative tasks.

Many providers, however, say that more work needs to be done to reduce the hours spent charting, documenting, and dealing with reports. Too many bureaucratic tasks topped [Medscape's Physician Burnout & Depression Report](#). About 60% of respondents said it was the primary cause of their burnout.

From the report, we can see that the specialties discussed above are also among the top specialties spending the most amount of time on paperwork.

HOURS PER WEEK SPENT ON PAPERWORK

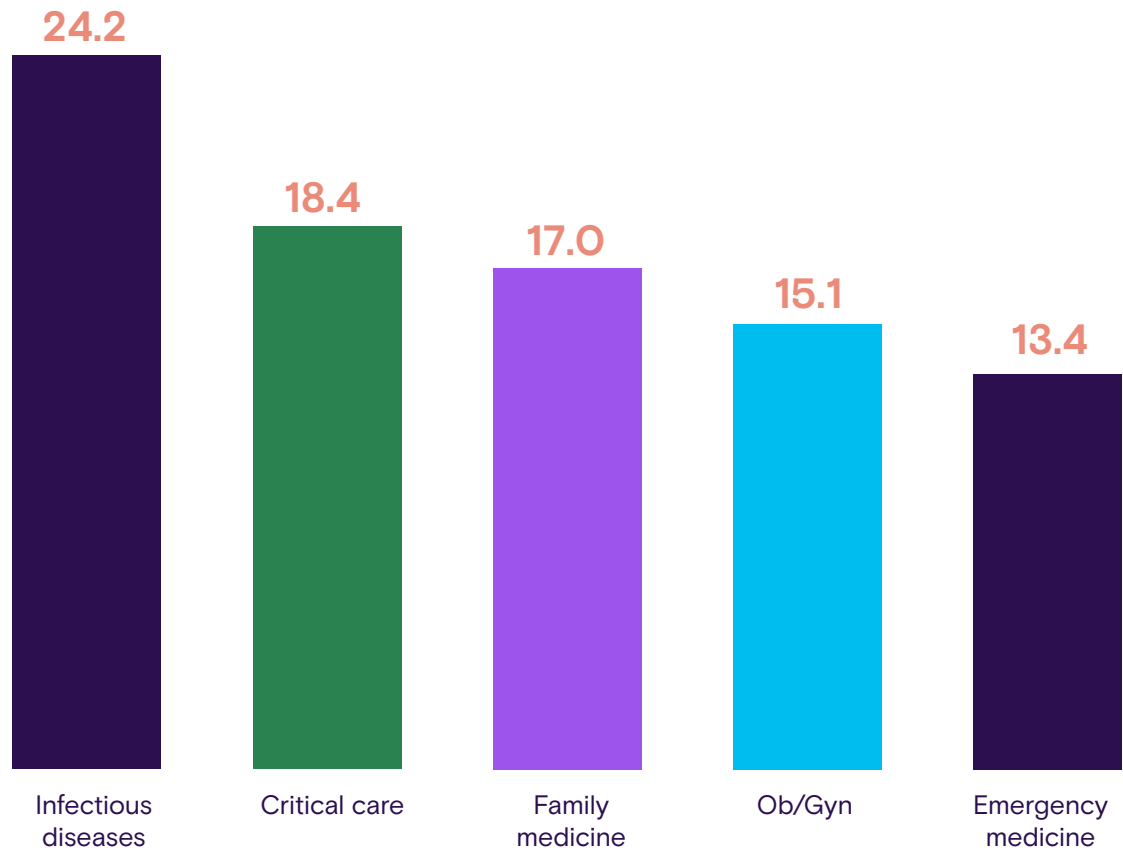


Fig. 6 Data is from [Medscape's Physician Compensation Report](#).

Poor work-life balance

Being a healthcare professional is stressful. The hours are long and free time is scarce. Balancing time spent with patients and time spent with paperwork can be a struggle.

For many doctors and nurses, working long hours is the norm. In fact, the average physician works about **16 hours longer per week** than the average employee in the U.S. We can use average weekly work rates from the [U.S. Bureau of Labor Statistics](#) to compare how many hours physicians work each week compared to other positions prone to burnout.

From the chart, we can see physicians are ranked second, working an average of 51 hours per week.

AVERAGE HOURS WORKED PER WEEK

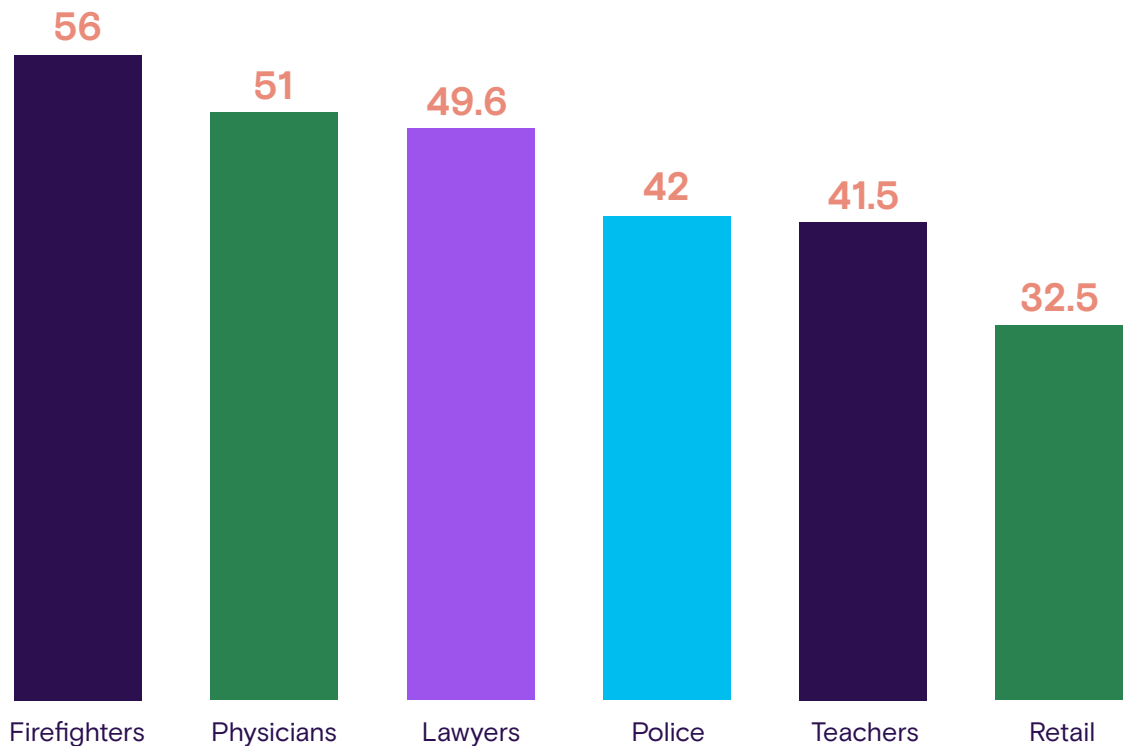


Fig. 7 Data is from the [U.S. Bureau of Labor Statistics](#).

Working long hours each week can be physically, mentally, and emotionally draining. About 48% of physicians reported feeling burned out after working 51 – 60 hours a week. And this percentage rises even higher as the number of hours worked increases. As described earlier, this could result in more frequent medical errors, poor patient relationships and satisfaction, and a general lack of quality sleep.

Insufficient salary

About **28% of respondents** of Medscape's poll felt they weren't being paid enough and indicated that their insufficient salary was another cause behind their burnout. In a similar poll, about 37% said increased compensation would help avoid feelings of fatigue and financial stress.

Despite this, hospitals and health systems are spending more money to hire and retain healthcare workers. These facilities are increasing salaries, offering sign-on bonuses, and expanding benefits to lure in new workers. In addition, contract labor expenses are rising as healthcare providers rely on contract workers to fill the gaps left by staffing shortages.

By using **Definitive Healthcare data**, we can see that hospitals are spending more money on hospital employees and physician salaries than they have in recent years.

SALARY EXPENSES

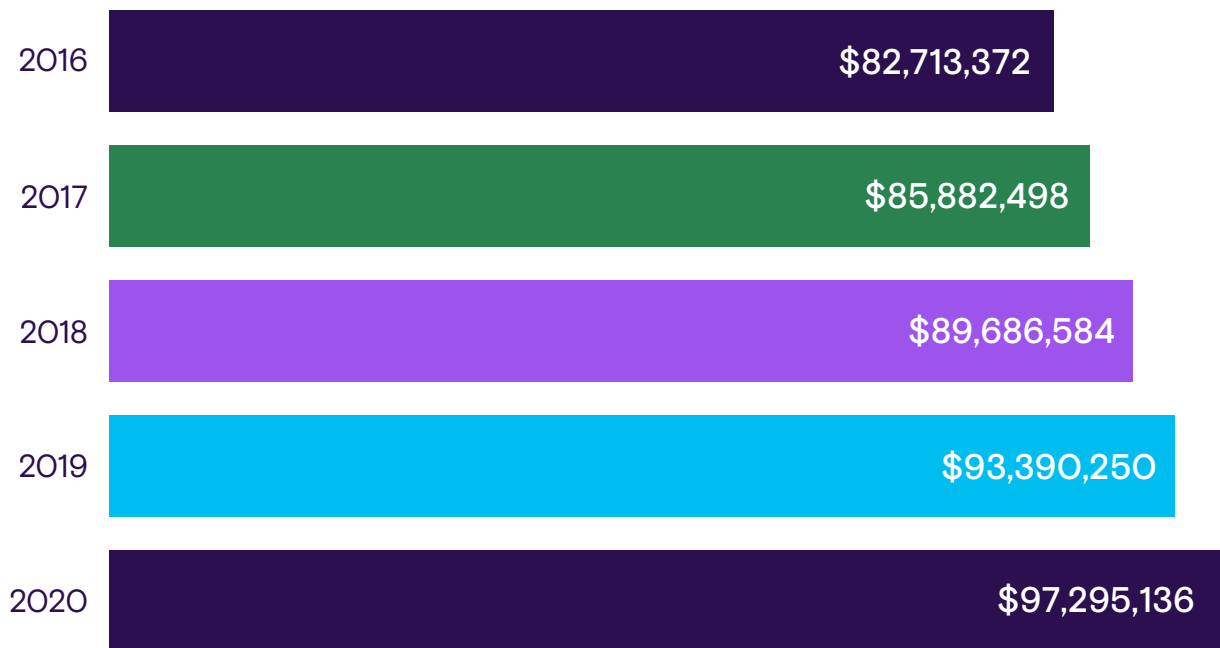


Fig. 8 Financial data is from the October 2021 Medicare Cost Report.

This information could mean that while physician salaries have increased over the last few years, not all specialties have seen growth. Plastic surgeons for example, likely faced decreased salaries because elective surgeries were postponed for months due to the pandemic. Other specialties like dermatology and endocrinology may also have been negatively affected as patients looked for alternative care settings to diagnose and treat their conditions.

How can we treat the healthcare staffing shortage?

Healthcare organizations across the industry, and the communities they serve, are already feeling the effects of staffing shortages today. Unfortunately, trends in the data suggest that labor shortages will continue into the next decade as workers retire, transition into new roles to meet demand, and reevaluate the physical, mental, and emotional toll that comes with being a healthcare provider.

Fortunately, hospitals and other healthcare organizations are aware of these challenges, and it is within their power to make tangible changes that can alter the industry's current trajectory.

THREE STRATEGIES TO ADDRESS THE STAFFING SHORTAGE:



Invest in telehealth



Confront burnout



Expand GME programs

One possible strategy is to invest in technologies and services like telehealth that keep doctors and nurses focused on what's most important: treating patients. Providers can use telemedicine to treat patients with conditions that might not be severe enough to warrant an in-person visit, mitigating some of the negative consequences of staffing shortages.

Treating patients over the phone or a video call has also been linked to a reduction in facility operating costs and lower readmission rates. And telehealth and remote patient monitoring devices can also help providers alleviate the administrative burden by helping them easily collect, understand, and share patient data, slashing the time spent entering information or generating reports. For more information about how hospitals are using technology and virtual care delivery systems to compensate for a changing and diminished workforce, listen to episode six of the Definitively Speaking podcast: Reach out and hug someone - Staffing during the Great Resignation, with Tim Bosse from System One.

To confront burnout, hospitals and healthcare facilities can invest time and resources into programs that promote mental and behavioral health through education and training. Perhaps most important is to develop best practices to prevent stigma shaming and suicide. The [Dr. Lorna Breen Health Care Provider Protection Act](#), which became law in March 2022, empowers healthcare entities through awarded grants to tackle these challenges right now.

Lastly, fundamental changes to how Graduate Medical Education (GME) programs work can help the healthcare industry diversify and expand the workforce. These programs are essential to the development of a physician's knowledge and their ability to provide care. GME training allows physicians to not only stay up to date on the latest medical developments but contribute to them with their own cutting-edge medical research. However, the availability and capacity of GME programs are capped by Medicare, which can be particularly detrimental to hospitals in rural areas. Raising the cap can help replenish the depleted healthcare workforce and offer providers the additional training they need to be better prepared to respond to the next pandemic.

The past few years have shown the undeniable importance of healthcare workers. While organizations are taking steps to cultivate a positive work environment or reimagine how technology can automate workflows, the battle isn't over. Resolving the healthcare staffing shortage will require leaders and policymakers to be more ambitious to not only improve the health of patients but also improve the wellbeing of the hardworking people who serve them.



Methodology

Information in this report was gathered and analyzed during July and August 2022. Data is from a variety of sources including Definitive Healthcare products. All data points referenced are cited and linked throughout.

U.S. hospital financial information in the [HospitalView](#) product is sourced from the Medicare Cost Report. Data is refreshed quarterly, however, it is usually from a time period of about a year in the past. For example, hospitals are currently submitting 2021 information. When possible, full-year data is reported.

Healthcare provider information in the [PhysicianView](#) product is sourced from the NPI registry, Physician Compare, all-payor claims, and proprietary research. Our teams incorporate updates monthly and currently track more than 2.5 million healthcare providers.

Data from the [ClaimsMx](#) product is sourced from multiple medical claims clearinghouses in the U.S. and updated monthly. When possible full calendar year 2021 is used.

About Definitive Healthcare

At Definitive Healthcare, our passion is to transform data, analytics, and expertise into [healthcare commercial intelligence](#). We help clients uncover the right markets, opportunities and people, so they can shape tomorrow's healthcare industry. Our SaaS platform creates new paths to commercial success in the healthcare market, so companies can identify where to go next.

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