



| NURSING HOME SAFETY DURING COVID: STAFF SHORTAGES

Facilities struggled with staffing even before the pandemic;
23 percent reported shortages by year end

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| Executive Summary

More than 3,000 U.S. nursing homes last month had a shortage of nurses or other direct-care staff, and it's a crippling problem that has existed since last May. (1) For most of last year, more than 200,000 people at any given time were in nursing homes that themselves acknowledged they were suffering from staff shortages. (2)

In fact, the number of homes reporting shortages of nurses, aides or clinical staff actually increased from May to December, according to an analysis of government data by U.S. PIRG Education Fund and Frontier Group. By early December, 23 percent of homes reported a shortage of at least one category of direct-care staff. (3)

Not only are the shortages a direct result of the COVID-19 pandemic, experts say, but in a circular nightmare, the staff shortages also fueled more COVID outbreaks in nursing homes among residents and staff. (4) More cases mean more stress for workers, more workers who contract the virus or are exposed and then, even more staff shortages. The end result: In many cases, when there aren't enough workers, patient care suffers. (5)

All of this comes at the same time nursing homes are still grappling with shortages of masks, gloves and other supplies to protect everyone inside the homes from transmitting the virus. And they're also trying to navigate shortages of COVID tests, a slow vaccine rollout and high levels of community spread in most parts of the country.

Nearly a year into this pandemic, all of these are crises that make every day challenging for nursing home residents and the people trying to care for them.

While there are encouraging signs with the arrival of vaccines, the problems facing nursing homes are snowballing, and the situation may erupt before the pandemic subsides, said Dr. Michael Barnett, assistant professor at the Harvard T.H. Chan School of Public Health. (6)

"It's a recipe for a collapse in the workforce," Barnett said. (7)

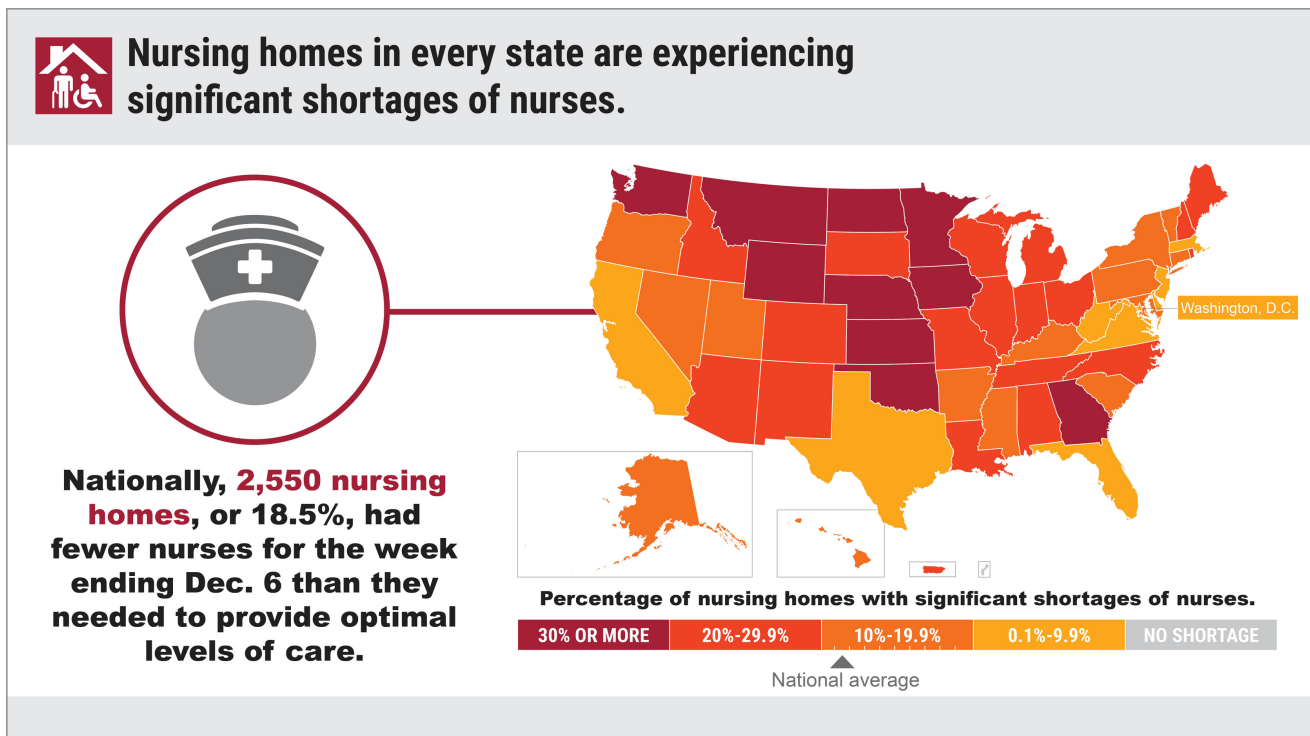
Key Findings

It's not surprising COVID-19 has ravaged nursing homes, given their unique issues: residents are there 24 hours a day, the living quarters are tight, and people in nursing homes and rehabilitation centers are generally older and in poorer health than the population overall. (8)

While nursing homes contain less than one-half of 1 percent of the U.S. population, they've produced 2 percent of COVID cases and 25 percent of deaths. (9) The raw numbers: 522,516 nursing home residents diagnosed with COVID, 101,970 who died, as of mid-January. (10) Then there are the workers: 448,389 cases reported among nursing home staff nationwide, resulting in 1,313 deaths. (11)

Since last May, nursing homes have been expected every week to report to CMS nearly 100 pieces of data related to COVID-19, including diagnosed cases, deaths, tests, PPE shortages and shortages of nurses, aides and clinical staff, which includes doctors.

At any point in time, there are about 1.3 million people with short-term rehabilitation needs or long-term illnesses who reside in the nation's 15,000 nursing homes. During the period we examined, from May 31 through Dec. 6, shortages of nurses and aides grew more dire as the year went on:



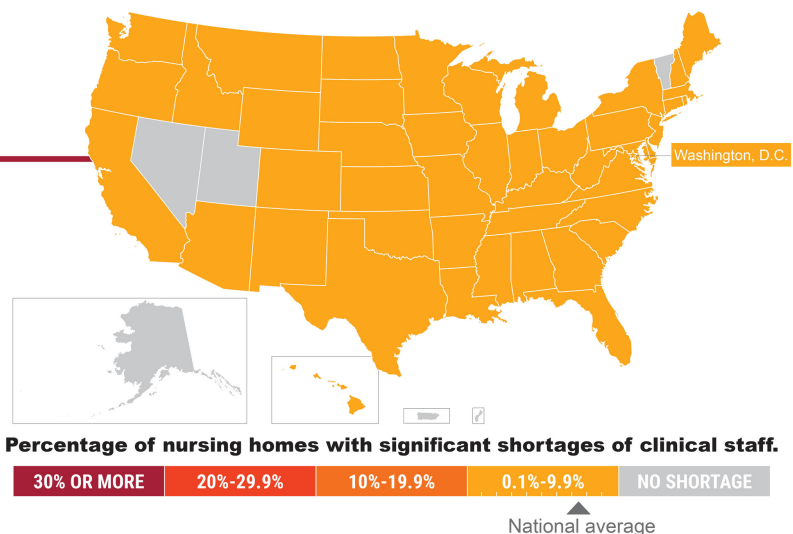
- Shortages of aides were the most widespread problem, affecting 20.6 percent of nursing homes in December, up from 17.4 percent in May. (12) Aides include certified nursing assistants, nurse aides, medication aides and medication technicians. (13) Aides perform an array of tasks for patients, such as feeding, bathing, taking vital signs and helping them to the toilet or in and out of their wheelchair.
- Shortages of nurses were almost as bad, affecting 18.5 percent of homes in December, up from 15 percent in May. (14) Nurses include registered nurses, licensed practical nurses and vocational nurses.
- Shortages of clinical staff weren't as much of a problem, affecting only 2.6 percent of homes in December, up from 2.3 percent in May. (15) Clinical staff includes physicians, physician assistants and advanced practice nurses, who have more training and authority than other nurses.
- The number of homes with a shortage in at least one staff category increased to 3,136 in December, up from 2,790 in May. The percentage of nursing homes with a shortage of at least one category of staff was 19.9% in May, rising to 22.8% in December. (16)



Nursing homes in almost every state are experiencing significant shortages of clinical staff.



Nationally, 360 nursing homes, or 2.6%, had fewer clinical staff for the week ending Dec. 6 than they needed to provide optimal levels of care.



- The number of residents potentially at risk because they were in understaffed homes stayed around 220,000, but Dec. 6 was the lowest number of residents, at about 213,000 residents. Why? The total number of residents in all homes dropped by 52,908 from Nov. 22 to Dec. 6, likely in part because families took loved ones home before Thanksgiving and the December holidays.
- The states with the highest percentage of homes with nurse shortages were Minnesota, Kansas, Wyoming, Montana and Nebraska. Minnesota hit a peak of 46 percent of nursing homes with nurse shortages in mid-November.
- The states/ areas with the lowest percentage of homes with nursing shortages were California, Massachusetts, New Jersey, Texas and Washington D.C. (17)

- The states with the highest percentage of nursing homes with shortages of aides were Minnesota, Wyoming, Kansas, North Dakota and Washington. Both Wyoming and Minnesota exceeded 50 percent in November. (18)
- The states with the lowest percentage of homes with shortages of aides were Massachusetts, California, New Jersey, Texas and Florida. (19)

What does it take to qualify as a shortage? There's no specific percentage or number of open positions.

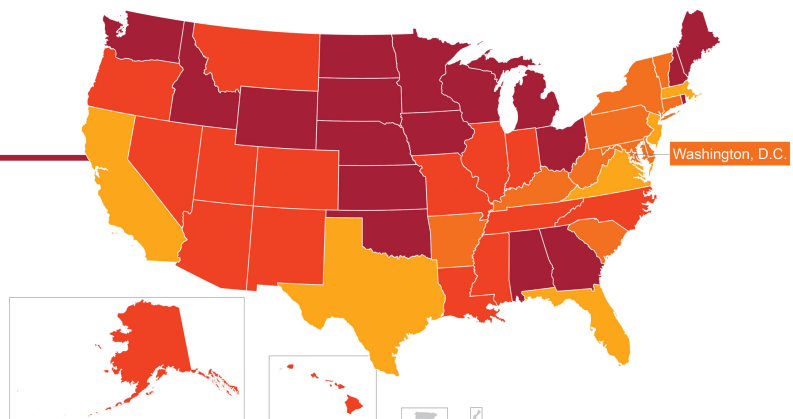
Federal regulations do not define minimum staff ratios, according to a CMS spokeswoman. It's based on whether the home had enough staff "to assure resident safety and attain or maintain the highest practicable physical, mental and psychosocial well-being." (20) Some states, however, do have minimum staffing requirements.



Nursing homes in every state are experiencing significant shortages of aides.



Nationally, 2,836 nursing homes, or 20.6%, had fewer aides for the week ending Dec. 6 than they needed to provide optimal levels of care.



Percentage of nursing homes with significant shortages of aides.

30% OR MORE 20%-29.9% 10%-19.9% 0.1%-9.9% NO SHORTAGE

▲ National average

| Consequences of staffing shortages

When homes are short on staff, resident care suffers, workers face even more stress, COVID cases can spread faster and more staff quit.

“It makes everything harder,” said Barnett of Harvard. “There is a long literature documenting that facilities with higher patient/ staff ratios have lower quality and worse outcomes, which applies to hospitals too. (21)

“Stress is enormous. There is more work to do. it’s harder and there are fewer people,” Barnett added. “And residents are isolated, depressed and cognitively worsening.” (22)

Rebecca Gorges, post-doctoral fellow at the Center for Health and the Social Sciences at the University of Chicago, said her research found that, among nursing homes with one or more COVID cases, they were likely to have fewer deaths and a lower probability of a severe outbreak if they had higher levels of staffing before the pandemic. (23)

She believes staff shortages contributed to the spread of COVID in many homes and believes more staff means it’s easier for a home to adopt best practices, such as regular testing of residents and staff, and separating residents by COVID status.

At Harvard, Barnett’s research found that nursing homes that reported COVID-19 cases had higher staff shortages and bigger PPE shortages than homes without positive cases. “The magnitude of these shortfalls poses a major threat to public health,” the report said. (24)

The nonprofit Center for Medicare Advocacy in Washington D.C. said it reviewed four recent studies that used different databases, criteria, dates and states to conclude that “nursing facilities that have more nurses are more successful in containing coronavirus cases and deaths among residents than facilities with lower nurse staffing levels.” (25)

There’s no doubt that staff shortages have negatively affected overall care, said Robyn Grant, director of public policy and advocacy at the non-profit National Consumer Voice for Quality Long-Term Care of Washington D.C., a consumer advocacy group. In its new survey, 87 percent of respondents indicated their loved one’s physical appearance had declined last year and 85 percent said their loved one’s physical abilities had declined. (26)

Among staff, the stress of working in a nursing home during COVID has been crushing for many: There's illness among residents, phone calls from families who can't visit, residents who are incredibly lonely and beg for your time, residents who have no one besides you to hold their hand as they die and the constant fear of contracting the virus, particularly in homes without enough PPE.

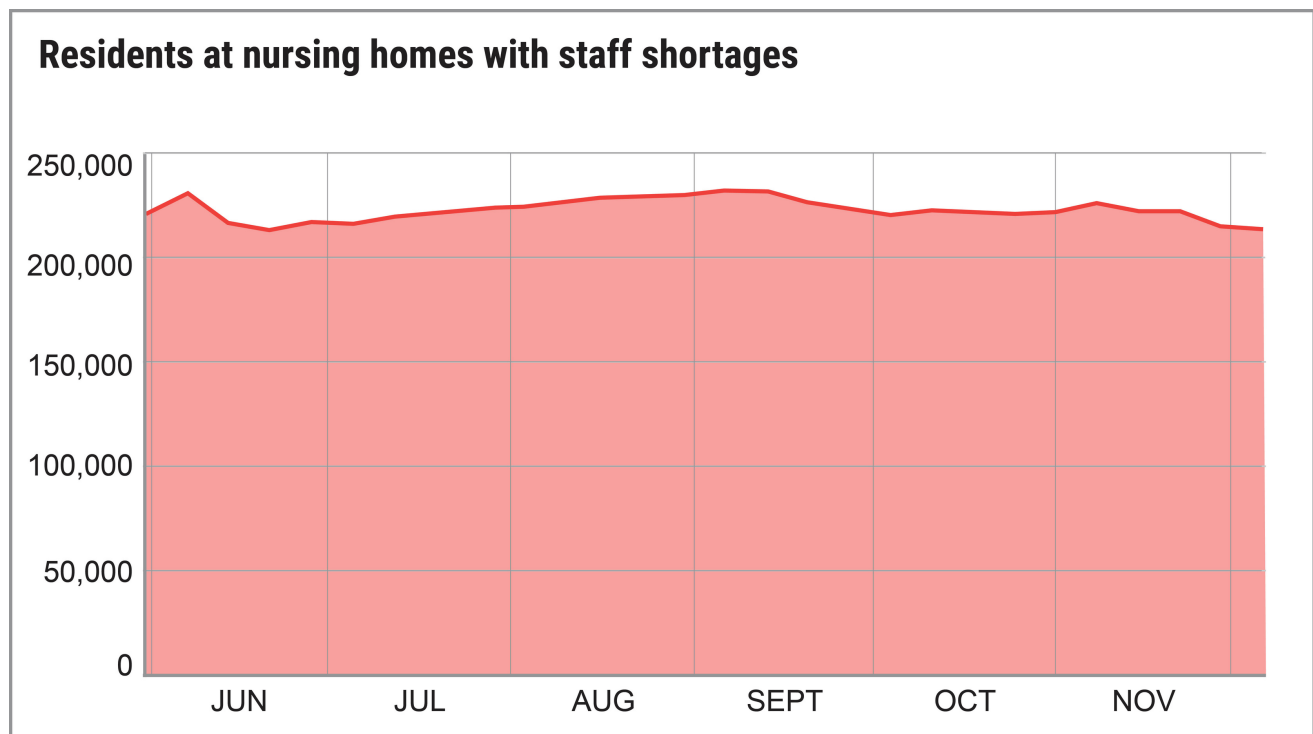
"COVID-19 is taking a considerable toll, physically and emotionally, on our health care heroes in long term care," said Dr. David Gifford, chief medical officer at American Health Care Association and National Center for Assisted Living (AHCA/NCAL) "Burnout is a real concern for all health care workers during this pandemic." (27)

The stress likely leads to more staff turnover, said Gorges of the University of Chicago, and then more COVID cases.

Research by AARP last month found cases in nursing homes continued to skyrocket.

Between September and December, rates of COVID-19 deaths and cases in nursing homes each increased nearly fourfold. The resident death rate increased from 0.48 per 100 residents in the four weeks ending Sept. 20, to 1.88 per 100 residents in the four weeks ending Dec. 20. New resident cases increased from 2.6 to 10.8 per 100 residents, while new staff cases increased from 2.5 to 9.3 per 100 residents. (28)

There were nearly 20,000 resident and staff COVID-19 deaths, and more than 200,000 new confirmed COVID-19 cases in nursing homes in the four weeks ending Dec. 20. "These are by far the highest numbers since the federal government began collecting and reporting these data in late May," AARP said. (29)



| Why staff shortages got worse

Worker shortages in nursing homes didn't start with the pandemic.

"Staffing shortages have been a chronic issue in the skilled nursing facility industry for years," said Barnett of Harvard, who co-wrote a study last summer that explored staffing and other issues during COVID. "Being staff in a nursing home is hard, underrecognized work that does not pay well, especially for aides. Turnover was extremely high before the pandemic." (30)

To paint the picture of shortages before the pandemic: Experts recommend 4.1 hours of direct care per resident per day, according to Consumer Voice. In the fourth quarter of 2019, it was 3.37 hours. (31)

When the government began collecting data from nursing homes in May, the pandemic was raging and so were staff shortages, with 2,790 homes reporting a shortage in at least one staff category. That grew as the year went on, increasing to 3,136 homes in December. (32)

The pandemic exposed, and made worse the existing problem of staff shortages in nursing homes. The long-standing staff shortage problem is beyond the scope of this report, but there are several ways that COVID made this problem even worse, such as:

- Workers had to stay home if they were sick with COVID.
- Workers quit their jobs or took a leave of absence to care for young children whose schools or daycare centers suddenly were shut down.
- Workers who took time off or quit to care for family members who contracted COVID. (33)
- Widespread testing after CMS started requiring regular staff testing in July. This meant asymptomatic COVID-19 cases among workers were identified. That required them to take time off, which is good to reduce COVID spread but also reduces staffing levels. (34)
- Last spring and summer, the worst outbreaks were confined to certain regions of the country. Toward the end of the year, the surges have been more widespread geographically. This makes it harder for providers to recruit staff from geographic areas with lower infection rates, because most areas are experiencing this surge in cases at the same time. (35)
- As the pandemic persisted, more workers found other jobs that paid more and brought less risk. (36)

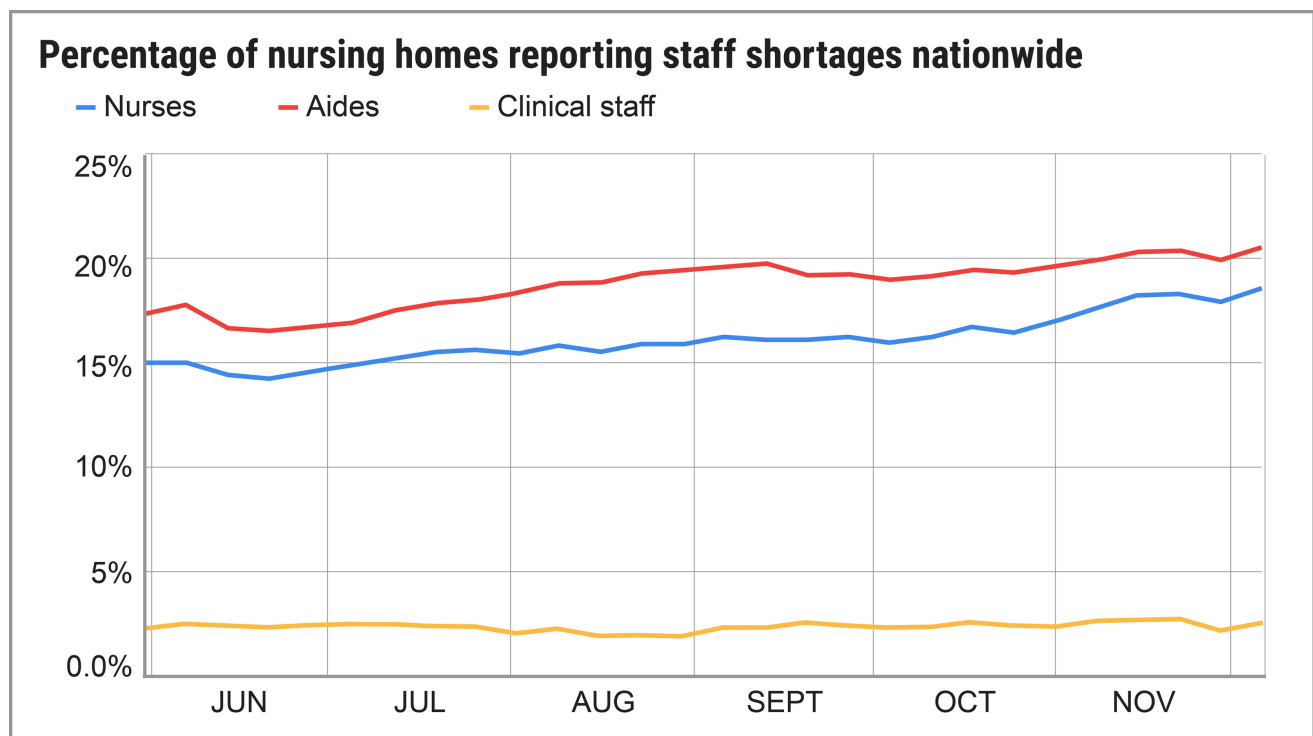
Gorges said the statistics among staff are haunting: As of mid-January, there have been 448,389 COVID-19 cases reported among nursing home staff nationwide, resulting in 1,313 deaths. (37)

“Working in a nursing home is now one of the most dangerous jobs in America,” she said. (38)

A big factor: Workers still don’t have enough PPE, according to the Service Employees International Union, which represents many staffers. New research by U.S. PIRG and Frontier Group shows shortages of most types of PPE improved significantly during the fall months, but worsened during December. (39)

The overall shortages likely stem in part from the post-Thanksgiving COVID surge and the rollout of vaccinations in mid-December, which require those administering shots to use PPE.

By the end of December, nearly 8 percent of homes had a critical shortage of N95 masks, (40) which are hailed as the best protection against spreading the virus. And for each of these types of PPE -- surgical masks, eye protection, gowns or gloves -- between 4 and 6 percent of homes reported critical shortages. More than 3 percent reported shortages of hand sanitizer, which is much more widely available now than it was in the spring and summer. (41)



| How nursing homes cope with shortages

Nursing homes are dealing with staff shortages in a number of ways:

- Nearly 70 percent of nursing homes have hired additional staff, and 94 percent have asked existing staff to work overtime to cover staff shortages, according to an AHCA/NCAL survey last month. In addition, 86 percent have paid “hero” bonuses to existing staff. (42)
- Many homes turn to temporary agencies who may work in several homes, Grant said, but that “can be problematic because these individuals don’t know the residents and their particular needs.” (43)
- Many homes are also hiring “temporary nurse aides,” Grant said, (44) under a waiver approved in March by the federal government that allows people to serve as aides without completing the federally required 75 hours of training. (45, 46) “We have heard from some residents and staff that these temporary nurse aides don’t have the training to equip them to do the tasks that are needed to care for residents,” Grant said. (47)
- In states where it’s allowed, some nursing homes are permitting family members to enter as “designated support people” to provide assistance to their loved ones. (48)

| What needs to be done

This problem is urgent. “Unless these shortages are prioritized by policymakers, long-term care residents will continue to be at a great disadvantage in the pandemic,” the report from Harvard said. (49)

Among the solutions that are needed:

- Approving temporary emergency COVID funding for nursing homes to hire more staff; and pay hazard pay, higher wages or bonuses to get homes through the pandemic. Congress should also approve President Biden’s COVID relief package that includes \$20 billion for a national vaccination program, \$30 billion for boosting PPE production and \$50 billion for testing, and put in priority for nursing homes, given that community spread is the single biggest threat to nursing homes.
- Prioritizing all long-term care staff and residents for the vaccine. AHCA/NCAL has called on states to prioritize distribution and aim to vaccinate all residents and staff with the necessary two doses by March 1. (50)
- Requiring all nursing homes to report vaccination rates of residents and staff soon to hold them accountable to families and prospective residents.
- Getting help with workforce shortages from governors and other state officials, who should encourage medical professionals to volunteer as has occurred for hospitals; and deploy the National Guard to specific facilities with outbreaks to help with cleaning, testing, PPE and staff support.
- Allowing and encouraging homes to relax visitor restrictions so family caregivers can provide care for their loved ones, as they often did before the pandemic. This obviously would require safety precautions such as COVID screening/testing and PPE, consistent with CMS guidelines. “Family caregivers provide supplemental care to many nursing home residents,” Gorges said, “by regularly checking in on residents, following up with staff about any minor issues before they become major issues and also by providing respite from isolation for nursing home residents.” (51)
- Solving the long-standing staff shortage problem in nursing homes, even though it may not alter the immediate situation, as noted above. COVID has made this problem much worse, but it was a problem with consequences before the pandemic and needs attention.

| Methodology

STAFF SHORTAGES ANALYSIS

This report uses data from the Center for Medicare and Medicaid Services, *COVID-19 Nursing Home Dataset*, downloaded from <https://data.cms.gov/Special-Programs-Initiatives-COVID-19-Nursing-Home/COVID-19-Nursing-Home-Dataset/s2uc-8wpx> on 21 December 2020.

Each record in the dataset contains data for one nursing home for one week. Records were excluded from the analysis if entries were marked “N” for the field “Submitted Data” or marked “N” for “Passed Quality Assurance Check.” A detailed explanation on CMS’s quality assurance check process can be found on the CMS website. (52) This analysis does not include data for the week ending 5/24/2020, as the CMS website reports that data reported for that week may actually include reporting from multiple weeks. (53) The analysis includes data labeled 5/31/2020 to 12/6/2020 for the “Week Ending” date.

Three types of staff shortages were considered for this report: nursing staff, clinical staff, and aides. For each of these categories, the percentage of homes that reported a shortage each week was calculated nationally, by state, and for 11 selected cities. To calculate these percentages, the number of homes that reported “N” was divided by the number of homes that reported “N” or “Y” for the week in question, and any homes that left this category blank were not included.

Nationwide totals of homes with staff shortages by week were calculated by counting unique “Federal Provider Numbers” for homes indicating a staff shortage. The nationwide number of patients in homes with shortages was calculated by summing the “Total Number of Occupied Beds” for homes indicating a shortage. Each nursing home can only submit one entry per week, however not every home submitted an entry every week from 5/31/2020 to 12/6/2020.

To determine the number of residents in a home with a shortage of at least one of the three staffing categories, the “Total Number of Occupied Beds” was summed by week.

Nursing home cities were determined based on each record’s entry for “Provider City” which is the physical address of the facility. (54) Any nursing homes that do not have one of the 11 selected cities listed as their “Provider City” were not included within that city’s total.

PPE SHORTAGES ANALYSIS

The analysis on PPE shortages was performed using a newer version of the *COVID-19 Nursing Home Dataset*, which was downloaded from <https://data.cms.gov/Special-Programs-Initiatives-COVID-19-Nursing-Home/COVID-19-Nursing-Home-Dataset/s2uc-8wpx> on 7 January 2021. This version included nursing home data through 12/27/2020.

Each record in the dataset contains data for one nursing home for one week. Records were excluded from the analysis if entries were marked "N" for the field "Submitted Data" or marked "N" for "Passed Quality Assurance Check." A detailed explanation on CMS's quality assurance check process can be found on the CMS website. (55) This analysis does not include data for the week ending 5/24/2020, as the CMS website reports that data reported for that week may actually include reporting from multiple weeks. (56) The analysis includes data labeled 5/31/2020 to 12/27/2020 for the "Week Ending" date.

Six types of PPE were considered for this report: N95 masks, surgical masks, eye protection, gowns, gloves, and hand sanitizer for the category "One-Week Supply." The percentage of homes that reported a shortage each week nationwide was calculated by dividing the number of homes that reported "N" by the total number of homes that reported "N" or "Y" for the week in question. Any homes that left this category blank were not included.

Appendix

PERCENTAGES OF HOMES WITH SHORTAGES OF THREE TYPES OF DIRECT-CARE STAFF, BY WEEK, NATIONALLY

Week Ending	Shortage of nursing staff	Shortage of aides	Shortage of clinical staff
5/31/20	14.97%	17.4%	2.3%
6/7/20	14.97%	17.8%	2.6%
6/14/20	14.34%	16.7%	2.5%
6/21/20	14.19%	16.6%	2.4%
6/28/20	14.51%	16.8%	2.5%
7/5/20	14.77%	17.0%	2.5%
7/12/20	15.08%	17.5%	2.5%
7/19/20	15.42%	17.9%	2.4%
7/26/20	15.56%	18.1%	2.4%
8/2/20	15.37%	18.4%	2.0%
8/9/20	15.72%	18.8%	2.3%
8/16/20	15.47%	18.9%	1.8%
8/23/20	15.82%	19.3%	1.9%
8/30/20	15.82%	19.5%	1.8%
9/6/20	16.18%	19.7%	2.3%
9/13/20	16.09%	19.8%	2.3%
9/20/20	16.03%	19.3%	2.6%
9/27/20	16.15%	19.3%	2.5%
10/4/20	15.90%	19.1%	2.3%
10/11/20	16.16%	19.2%	2.4%
10/18/20	16.67%	19.5%	2.6%
10/25/20	16.39%	19.4%	2.4%
11/1/20	16.89%	19.7%	2.4%
11/8/20	17.51%	20.0%	2.7%
11/15/20	18.19%	20.4%	2.8%
11/22/20	18.26%	20.5%	2.8%
11/29/20	17.86%	20.0%	2.1%
12/6/20	18.51%	20.6%	2.6%

PERCENTAGES OF HOMES WITH SHORTAGES OF NURSES, BY STATE

Provider State	5/31/20	6/7/20	6/14/20	6/21/20	6/28/20	7/5/20	7/12/20	7/19/20	7/26/20	8/2/20	8/9/20	8/16/20	8/23/20	8/30/20
AK	16.7%	5.9%	11.1%	10.0%	25.0%	15.0%	30.0%	31.6%	10.0%	15.0%	5.0%	15.8%	10.0%	10.5%
AL	21.7%	21.1%	21.0%	22.3%	22.7%	24.5%	29.3%	27.8%	30.8%	30.5%	31.5%	29.8%	32.4%	30.9%
AR	8.3%	10.8%	9.8%	11.3%	13.6%	10.0%	8.3%	9.0%	10.0%	9.5%	12.8%	7.0%	9.6%	9.0%
AZ	7.5%	12.1%	13.3%	12.0%	15.9%	14.6%	18.8%	17.6%	16.1%	14.4%	15.4%	16.9%	14.7%	14.7%
CA	2.4%	1.6%	1.5%	1.0%	1.4%	1.0%	1.5%	2.0%	1.4%	1.4%	1.1%	0.9%	0.9%	0.9%
CO	10.3%	11.8%	11.6%	12.1%	11.2%	11.1%	11.2%	11.6%	11.2%	9.8%	11.5%	13.3%	12.5%	11.1%
CT	9.0%	11.9%	10.3%	7.8%	4.4%	6.8%	5.3%	5.3%	5.8%	2.9%	3.4%	3.4%	3.4%	2.9%
DC	37.5%	44.4%	27.8%	26.3%	31.6%	23.5%	31.6%	21.1%	15.8%	10.5%	15.8%	10.5%	10.5%	5.3%
DE	8.9%	8.9%	8.9%	6.7%	4.4%	4.4%	4.5%	6.7%	6.7%	4.5%	8.7%	8.7%	8.7%	8.7%
FL	6.6%	4.9%	5.6%	6.8%	6.9%	8.6%	9.5%	10.3%	11.5%	11.0%	13.7%	13.6%	11.2%	11.2%
GA	28.5%	29.0%	28.6%	27.5%	29.0%	27.7%	26.6%	26.3%	29.5%	29.5%	31.0%	30.3%	31.2%	33.0%
GU	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
HI	11.6%	11.6%	11.6%	9.1%	9.1%	11.6%	11.6%	14.3%	14.3%	14.0%	14.0%	16.3%	14.0%	16.7%
IA	18.6%	17.4%	17.8%	18.1%	19.2%	17.1%	17.6%	19.1%	18.8%	18.4%	18.2%	18.7%	19.2%	20.3%
ID	12.5%	13.2%	9.3%	13.3%	7.8%	10.5%	11.8%	10.7%	11.7%	13.2%	11.8%	19.7%	16.9%	15.6%
IL	20.8%	20.7%	19.0%	18.6%	19.3%	20.1%	19.2%	19.2%	19.2%	18.3%	18.5%	17.7%	19.8%	19.1%
IN	13.5%	13.7%	12.5%	11.9%	13.8%	14.0%	12.4%	13.7%	13.7%	12.7%	13.8%	13.4%	13.3%	13.3%
KS	20.6%	18.6%	17.8%	17.1%	15.9%	19.8%	18.2%	18.3%	19.0%	18.8%	19.8%	23.1%	24.3%	24.8%
KY	11.7%	10.6%	9.7%	11.7%	12.2%	11.4%	11.6%	11.6%	12.3%	10.8%	11.6%	12.6%	13.3%	14.2%
LA	23.5%	22.5%	22.9%	24.7%	24.0%	25.3%	25.2%	27.2%	27.0%	27.1%	27.2%	26.4%	28.1%	28.4%
MA	19.6%	16.5%	15.8%	10.8%	10.6%	10.3%	10.2%	10.3%	11.9%	8.7%	9.6%	6.5%	6.5%	4.1%
MD	15.5%	14.5%	12.1%	9.3%	7.3%	8.2%	6.8%	6.4%	6.4%	5.5%	7.3%	6.3%	7.3%	7.8%
ME	16.3%	16.3%	19.6%	22.8%	22.0%	22.0%	24.2%	25.0%	23.1%	26.1%	25.0%	23.9%	23.9%	26.4%
MI	16.3%	15.9%	16.2%	17.0%	18.1%	18.9%	18.4%	21.4%	19.9%	21.0%	21.7%	22.0%	21.9%	21.7%
MN	26.3%	28.4%	25.8%	25.4%	24.6%	24.9%	24.9%	25.3%	24.0%	25.4%	25.3%	25.9%	24.2%	26.0%
MO	19.5%	20.1%	18.8%	17.1%	18.9%	19.8%	19.5%	17.5%	18.8%	19.0%	20.0%	19.4%	20.2%	18.7%
MS	20.1%	18.1%	19.5%	20.1%	20.1%	18.7%	22.6%	19.0%	22.2%	21.1%	20.9%	19.8%	19.9%	16.0%
MT	9.4%	9.4%	7.6%	13.6%	10.6%	9.1%	10.6%	9.1%	10.4%	11.9%	14.9%	14.9%	11.9%	15.4%
NC	16.4%	17.4%	15.2%	20.5%	20.3%	17.9%	19.1%	20.1%	21.1%	20.0%	20.4%	21.0%	22.0%	20.5%
ND	20.5%	23.1%	17.9%	15.4%	18.2%	17.9%	16.7%	21.8%	17.9%	17.9%	16.7%	20.5%	19.5%	20.8%
NE	16.0%	15.3%	14.1%	13.9%	15.7%	14.1%	14.3%	15.1%	16.2%	13.8%	13.5%	15.5%	15.7%	15.6%
NH	22.5%	19.4%	22.2%	20.3%	18.6%	20.0%	20.3%	18.3%	18.1%	19.4%	18.1%	19.7%	22.2%	23.9%
NJ	11.0%	11.7%	9.7%	8.8%	9.0%	10.1%	9.0%	7.0%	6.6%	6.9%	6.9%	5.7%	6.5%	4.3%
NM	19.0%	23.1%	23.9%	19.4%	17.4%	18.8%	14.7%	15.2%	16.2%	16.4%	18.8%	18.8%	22.1%	20.6%
NV	8.5%	7.9%	6.3%	9.7%	11.5%	11.5%	11.1%	9.7%	14.8%	15.0%	14.5%	11.7%	9.7%	16.1%
NY	21.5%	22.7%	21.4%	20.0%	20.1%	19.9%	17.8%	14.8%	12.9%	14.3%	15.2%	14.4%	14.0%	14.4%
OH	19.2%	19.2%	19.9%	19.6%	18.1%	19.7%	19.9%	20.1%	20.6%	20.7%	20.8%	22.0%	22.7%	23.8%
OK	14.0%	14.4%	13.2%	13.1%	14.5%	15.4%	14.3%	19.7%	16.2%	18.0%	18.1%	21.4%	19.6%	21.8%
OR	7.6%	8.3%	7.5%	7.4%	6.7%	7.5%	6.7%	7.5%	7.4%	7.6%	8.4%	5.0%	6.7%	6.6%
PA	12.9%	12.2%	12.5%	11.0%	11.7%	11.9%	11.9%	12.5%	12.0%	12.0%	12.7%	10.5%	12.0%	12.1%
PR	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
RI	28.9%	21.8%	21.5%	19.0%	18.2%	16.5%	16.5%	15.6%	16.5%	16.7%	17.7%	15.2%	16.9%	15.4%
SC	15.6%	16.5%	17.6%	15.6%	18.3%	15.7%	15.9%	18.7%	17.2%	18.1%	15.3%	17.4%	18.0%	15.7%
SD	14.9%	15.7%	13.6%	14.6%	17.5%	13.6%	15.5%	15.7%	14.6%	17.3%	14.4%	11.5%	14.4%	14.4%
TN	13.6%	14.4%	10.5%	13.1%	10.8%	13.1%	14.2%	16.4%	16.4%	17.1%	15.4%	15.5%	17.0%	18.4%
TX	15.1%	15.5%	14.5%	13.9%	14.9%	15.7%	19.7%	21.2%	21.8%	22.1%	20.5%	19.3%	19.2%	18.3%
UT	0.0%	0.0%	0.0%	1.1%	1.1%	1.1%	4.3%	3.3%	3.2%	3.2%	4.2%	2.1%	3.1%	3.1%
VA	10.3%	13.5%	10.9%	11.4%	9.4%	8.7%	7.6%	8.1%	7.2%	7.6%	7.6%	6.2%	7.2%	8.6%
VT	5.7%	5.7%	5.9%	2.9%	8.6%	11.4%	17.6%	14.3%	17.1%	11.4%	11.4%	11.4%	8.6%	11.4%
WA	18.4%	17.8%	19.2%	18.7%	22.7%	22.2%	24.6%	24.1%	26.1%	23.1%	26.8%	22.3%	27.4%	28.6%
WI	12.7%	12.6%	12.5%	14.9%	16.3%	18.6%	16.3%	14.8%	17.2%	15.6%	15.6%	18.4%	16.5%	17.7%
WV	3.3%	4.1%	4.2%	5.9%	5.0%	5.8%	5.0%	4.9%	4.9%	5.0%	7.4%	5.0%	6.7%	8.5%
WY	8.8%	8.6%	14.3%	11.8%	8.8%	8.8%	17.1%	17.6%	20.6%	17.1%	17.1%	14.3%	20.0%	17.6%
National	15.0%	15.0%	14.3%	14.2%	14.5%	14.8%	15.1%	15.4%	15.6%	15.4%	15.7%	15.5%	15.8%	15.8%

PERCENTAGES OF HOMES WITH SHORTAGES OF NURSES, BY STATE, CONTINUED

Provider State	9/6/20	9/13/20	9/20/20	9/27/20	10/4/20	10/11/20	10/18/20	10/25/20	11/1/20	11/8/20	11/15/20	11/22/20	11/29/20	12/6/20
AK	15.0%	15.0%	10.0%	15.0%	30.0%	20.0%	25.0%	20.0%	30.0%	20.0%	20.0%	15.0%	22.2%	17.6%
AL	32.1%	31.8%	34.8%	32.3%	34.3%	30.3%	30.0%	28.0%	28.2%	26.9%	26.4%	27.6%	24.3%	27.9%
AR	10.2%	10.7%	11.4%	11.2%	11.2%	10.8%	10.7%	13.6%	11.0%	12.2%	10.0%	10.3%	12.8%	11.7%
AZ	16.7%	14.8%	15.3%	15.4%	14.6%	17.4%	15.7%	15.5%	19.1%	16.8%	14.7%	17.6%	16.8%	21.1%
CA	1.0%	1.1%	1.0%	0.8%	1.0%	0.9%	0.8%	0.6%	0.6%	1.0%	1.0%	1.0%	1.4%	1.9%
CO	13.8%	12.4%	13.3%	17.1%	15.7%	16.1%	16.7%	16.7%	19.2%	19.2%	25.0%	20.6%	21.8%	24.0%
CT	3.4%	3.9%	3.9%	2.9%	3.4%	4.4%	5.3%	4.9%	5.8%	5.3%	5.4%	6.1%	6.0%	10.4%
DC	5.3%	10.5%	10.5%	10.5%	5.3%	10.5%	5.3%	5.3%	5.3%	5.6%	5.6%	5.3%	11.1%	6.3%
DE	6.7%	6.5%	8.9%	13.0%	11.4%	6.5%	10.9%	10.9%	11.1%	8.7%	10.9%	13.0%	11.1%	7.0%
FL	11.0%	11.5%	10.8%	11.1%	11.2%	10.7%	10.0%	9.7%	9.4%	9.4%	10.6%	10.2%	8.0%	9.3%
GA	34.4%	32.2%	33.2%	32.0%	33.3%	31.8%	33.6%	32.0%	30.3%	32.5%	33.7%	31.0%	32.3%	30.2%
GU	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
HI	20.9%	19.5%	11.9%	16.3%	11.9%	14.0%	23.3%	18.6%	14.0%	11.6%	14.3%	19.5%	9.8%	12.8%
IA	24.2%	25.9%	25.0%	26.7%	27.8%	28.8%	29.4%	30.9%	32.0%	32.8%	33.3%	33.2%	31.8%	32.0%
ID	19.5%	20.8%	17.1%	21.3%	24.7%	18.2%	23.4%	23.4%	23.7%	27.0%	28.4%	32.9%	26.6%	28.6%
IL	20.0%	19.3%	18.5%	19.1%	19.5%	18.9%	20.5%	20.5%	21.3%	19.9%	20.5%	20.6%	19.4%	21.1%
IN	14.1%	15.6%	14.8%	15.2%	14.1%	15.4%	14.7%	16.2%	17.2%	22.6%	22.5%	22.8%	21.6%	22.4%
KS	24.8%	22.5%	27.6%	27.0%	27.6%	28.5%	30.2%	28.4%	29.8%	34.4%	39.0%	37.1%	37.0%	39.4%
KY	16.0%	14.6%	17.5%	15.5%	14.2%	15.1%	13.6%	15.0%	14.6%	13.3%	14.2%	14.0%	15.2%	15.9%
LA	25.5%	25.1%	24.4%	25.0%	25.2%	24.0%	24.7%	24.2%	23.1%	24.0%	22.6%	22.6%	21.0%	21.5%
MA	4.9%	5.4%	5.2%	5.7%	5.4%	4.6%	4.1%	3.0%	2.5%	1.1%	0.5%	1.1%	0.3%	2.2%
MD	7.7%	7.8%	8.6%	9.0%	9.0%	7.7%	7.7%	8.6%	7.7%	8.6%	10.0%	8.2%	10.2%	10.0%
ME	27.2%	26.1%	22.6%	23.7%	23.7%	22.8%	25.8%	25.8%	23.7%	25.0%	24.4%	28.0%	27.2%	27.3%
MI	21.5%	22.4%	22.4%	24.6%	22.7%	23.2%	22.9%	23.8%	26.4%	29.2%	29.6%	29.5%	29.6%	27.8%
MN	26.0%	27.9%	31.9%	31.8%	32.9%	32.7%	35.7%	33.7%	37.5%	40.3%	46.1%	45.0%	44.0%	42.1%
MO	20.6%	21.5%	22.8%	21.9%	22.9%	24.2%	24.2%	23.3%	25.8%	27.3%	27.4%	28.2%	27.2%	27.2%
MS	20.3%	16.6%	17.9%	18.9%	19.5%	18.2%	21.9%	19.8%	20.1%	20.1%	17.2%	16.8%	16.3%	16.7%
MT	16.9%	19.4%	22.4%	29.9%	31.8%	40.0%	38.5%	33.3%	32.3%	35.4%	33.8%	34.9%	32.8%	33.9%
NC	19.8%	20.6%	18.7%	20.6%	18.9%	21.8%	21.9%	21.5%	22.2%	21.9%	22.1%	20.2%	20.6%	21.7%
ND	16.9%	19.7%	23.4%	26.9%	26.7%	38.2%	35.5%	36.4%	32.5%	37.0%	36.6%	33.3%	30.7%	31.9%
NE	18.7%	18.7%	20.8%	21.9%	22.3%	24.0%	27.8%	29.2%	33.2%	29.0%	35.5%	35.6%	31.7%	33.7%
NH	23.2%	25.4%	21.4%	24.3%	20.0%	21.1%	25.7%	22.2%	23.6%	25.4%	26.4%	27.8%	26.5%	23.1%
NJ	3.7%	4.0%	3.7%	3.4%	3.4%	2.8%	3.4%	3.4%	2.8%	3.4%	2.9%	4.0%	4.9%	4.1%
NM	19.1%	20.6%	17.6%	19.4%	22.1%	20.6%	23.5%	20.9%	22.7%	24.6%	18.8%	21.9%	23.1%	23.0%
NV	14.8%	15.9%	17.5%	13.1%	13.1%	13.1%	11.5%	14.8%	11.5%	14.8%	18.0%	20.3%	21.3%	17.9%
NY	13.2%	14.3%	13.9%	13.3%	11.3%	10.6%	12.3%	10.4%	11.5%	11.1%	11.7%	11.9%	12.6%	15.3%
OH	23.9%	24.1%	23.7%	24.0%	23.5%	24.4%	25.1%	22.7%	23.3%	24.6%	25.4%	25.9%	27.4%	27.5%
OK	21.0%	20.5%	24.7%	22.6%	23.7%	25.0%	25.8%	27.6%	28.4%	26.5%	28.5%	31.4%	30.1%	33.2%
OR	7.4%	9.9%	8.3%	12.3%	6.6%	7.4%	10.7%	8.3%	10.7%	11.5%	11.6%	8.9%	9.5%	14.7%
PA	12.4%	12.4%	12.9%	12.4%	12.0%	12.0%	12.7%	12.8%	13.3%	13.6%	13.7%	14.9%	16.2%	16.4%
PR	20.0%	0.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	20.0%	20.0%
RI	17.9%	15.2%	15.2%	19.2%	24.4%	21.8%	23.1%	20.5%	20.5%	22.1%	26.0%	29.9%	27.3%	25.3%
SC	19.9%	18.7%	20.4%	17.2%	18.3%	17.6%	17.8%	16.8%	13.9%	14.5%	13.4%	14.4%	12.8%	13.1%
SD	20.2%	19.2%	20.2%	24.0%	23.3%	21.6%	22.3%	26.0%	27.3%	27.3%	27.0%	26.5%	26.2%	25.5%
TN	18.4%	17.8%	18.2%	19.4%	19.8%	20.7%	19.6%	20.2%	22.8%	22.0%	24.7%	21.9%	21.1%	20.6%
TX	16.5%	13.3%	8.8%	6.6%	4.8%	5.0%	4.9%	5.1%	4.4%	5.6%	5.4%	6.1%	5.2%	5.7%
UT	2.1%	4.2%	4.2%	3.2%	4.2%	7.4%	2.1%	5.3%	7.7%	5.4%	8.7%	5.6%	8.0%	11.5%
VA	7.6%	10.8%	8.4%	8.0%	7.2%	11.6%	10.5%	9.1%	9.9%	10.7%	10.0%	7.7%	9.0%	7.9%
VT	14.3%	14.3%	11.8%	14.3%	14.3%	11.4%	11.4%	14.3%	14.3%	17.1%	14.3%	14.7%	11.4%	11.4%
WA	29.1%	28.1%	29.8%	28.9%	25.3%	26.9%	27.0%	27.0%	27.6%	27.0%	27.9%	29.6%	31.3%	30.9%
WI	18.0%	17.7%	19.1%	20.9%	22.7%	22.7%	24.9%	24.9%	24.3%	25.3%	28.7%	30.6%	27.2%	27.6%
WV	6.8%	6.8%	7.8%	8.6%	7.0%	6.7%	6.7%	6.8%	7.5%	8.3%	9.2%	6.7%	8.4%	8.4%
WY	17.6%	17.6%	17.1%	20.0%	23.5%	20.0%	20.6%	28.6%	38.2%	31.4%	32.3%	34.3%	35.3%	37.5%
National	16.2%	16.1%	16.0%	16.2%	15.9%	16.2%	16.7%	16.4%	16.9%	17.5%	18.2%	18.3%	17.9%	18.5%

PERCENTAGES OF HOMES WITH SHORTAGES OF AIDES, BY STATE

Provider State	5/31/20	6/7/20	6/14/20	6/21/20	6/28/20	7/5/20	7/12/20	7/19/20	7/26/20	8/2/20	8/9/20	8/16/20	8/23/20	8/30/20
AK	16.7%	17.6%	16.7%	15.0%	20.0%	15.0%	25.0%	36.8%	15.0%	25.0%	15.0%	31.6%	20.0%	21.1%
AL	26.3%	25.8%	24.2%	24.5%	24.5%	28.2%	34.6%	32.5%	33.2%	32.3%	34.3%	32.6%	33.8%	31.8%
AR	16.1%	19.7%	17.3%	19.8%	21.6%	20.0%	13.7%	16.2%	14.2%	16.2%	16.1%	14.5%	15.4%	17.5%
AZ	11.2%	16.4%	14.0%	14.8%	18.1%	16.1%	21.7%	20.6%	21.9%	18.9%	19.9%	21.8%	18.2%	17.5%
CA	2.9%	2.2%	1.8%	1.2%	1.8%	1.5%	2.3%	2.2%	1.8%	2.0%	1.6%	1.4%	1.9%	1.4%
CO	14.3%	13.7%	12.1%	14.9%	13.5%	12.4%	12.6%	13.0%	12.6%	12.1%	14.7%	16.1%	17.6%	15.7%
CT	9.0%	10.9%	10.3%	9.3%	4.9%	7.3%	5.8%	7.7%	7.3%	4.4%	3.4%	4.9%	3.4%	2.4%
DC	37.5%	38.9%	27.8%	26.3%	21.1%	23.5%	31.6%	26.3%	26.3%	15.8%	21.1%	15.8%	15.8%	10.5%
DE	13.3%	8.9%	8.9%	8.9%	6.7%	6.7%	9.1%	11.1%	11.1%	11.4%	13.0%	10.9%	13.0%	10.9%
FL	9.0%	6.1%	8.0%	8.4%	8.7%	9.6%	10.9%	11.9%	13.8%	12.1%	14.8%	15.2%	13.3%	13.9%
GA	31.0%	32.3%	31.6%	29.9%	29.9%	28.6%	28.8%	29.9%	31.3%	34.2%	35.7%	35.3%	33.5%	36.3%
GU	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
HI	23.3%	20.9%	20.9%	25.0%	27.3%	20.9%	25.6%	28.6%	26.2%	23.3%	23.3%	27.9%	23.3%	28.6%
IA	17.4%	18.1%	16.9%	18.1%	20.9%	18.6%	18.8%	21.0%	21.3%	22.7%	22.6%	23.6%	24.1%	26.8%
ID	16.7%	17.1%	12.0%	16.0%	10.4%	11.8%	10.5%	8.0%	13.0%	15.8%	17.1%	22.4%	22.1%	20.8%
IL	25.0%	24.5%	22.2%	21.1%	22.2%	22.1%	22.0%	21.4%	21.0%	21.1%	21.0%	21.2%	23.8%	21.4%
IN	13.5%	14.8%	14.7%	13.2%	14.0%	14.2%	13.4%	14.5%	14.1%	13.9%	14.4%	14.1%	14.6%	14.7%
KS	19.3%	20.2%	18.7%	19.0%	20.7%	22.0%	19.8%	21.5%	22.3%	23.3%	24.0%	28.8%	30.4%	29.3%
KY	13.6%	12.9%	11.6%	12.8%	13.4%	14.4%	14.6%	13.8%	14.6%	14.6%	13.8%	16.4%	17.0%	19.0%
LA	27.5%	29.0%	29.4%	30.9%	30.6%	30.0%	31.8%	31.9%	32.9%	32.4%	31.5%	30.2%	31.6%	30.7%
MA	22.6%	21.1%	18.8%	14.6%	13.6%	11.4%	10.8%	11.4%	13.8%	12.0%	11.2%	8.4%	8.7%	6.5%
MD	17.1%	17.9%	11.2%	8.4%	7.8%	11.0%	9.6%	7.8%	9.1%	8.3%	9.1%	9.9%	11.0%	11.4%
ME	23.9%	25.0%	25.0%	27.2%	27.5%	25.3%	27.5%	28.3%	27.5%	31.5%	34.8%	29.3%	29.3%	28.6%
MI	22.2%	22.3%	22.3%	23.2%	23.4%	24.0%	23.0%	25.4%	25.3%	25.9%	27.1%	26.7%	27.6%	29.3%
MN	27.5%	30.4%	28.3%	27.6%	26.3%	27.9%	28.9%	31.2%	29.7%	31.1%	34.4%	30.9%	33.7%	33.5%
MO	21.2%	21.5%	20.2%	18.7%	20.7%	20.4%	21.5%	19.1%	20.2%	21.4%	22.9%	22.4%	22.6%	21.7%
MS	22.4%	21.4%	23.8%	23.8%	25.4%	24.2%	26.3%	26.6%	27.0%	27.6%	24.7%	24.6%	24.1%	24.6%
MT	12.5%	12.5%	10.6%	15.2%	10.6%	12.1%	12.1%	12.1%	10.4%	10.4%	17.9%	22.4%	19.4%	21.5%
NC	23.1%	23.6%	20.1%	22.7%	22.2%	22.9%	22.8%	24.8%	23.8%	23.0%	23.9%	23.7%	23.9%	24.7%
ND	23.1%	24.4%	20.5%	19.2%	19.5%	19.2%	15.4%	20.5%	21.8%	21.8%	20.5%	21.8%	19.5%	26.0%
NE	18.6%	16.8%	17.2%	17.0%	17.3%	15.1%	14.8%	15.6%	14.1%	15.3%	17.2%	20.7%	20.9%	21.9%
NH	23.9%	23.6%	20.8%	24.6%	25.7%	25.7%	26.1%	21.1%	20.8%	20.8%	22.2%	23.9%	26.4%	29.6%
NJ	13.2%	15.1%	10.6%	8.8%	8.4%	9.8%	9.9%	8.7%	7.2%	8.9%	8.6%	8.0%	6.8%	4.8%
NM	15.9%	20.0%	22.4%	19.4%	15.9%	18.8%	14.7%	15.2%	17.6%	16.4%	14.5%	15.9%	17.6%	19.1%
NV	15.3%	12.7%	11.1%	12.9%	14.8%	16.4%	14.3%	14.5%	16.4%	15.0%	17.7%	18.3%	19.4%	19.4%
NY	21.3%	22.6%	20.3%	19.3%	19.4%	20.1%	18.1%	14.7%	13.7%	14.3%	15.3%	14.7%	14.5%	14.4%
OH	22.9%	22.8%	21.8%	23.1%	21.7%	22.5%	23.0%	22.2%	22.8%	23.3%	23.9%	25.3%	25.8%	27.3%
OK	13.2%	16.6%	15.7%	15.9%	15.6%	18.5%	18.6%	21.1%	19.0%	21.1%	21.2%	23.2%	23.2%	27.7%
OR	11.8%	10.0%	10.0%	9.9%	12.5%	10.0%	10.9%	10.8%	10.7%	16.0%	12.6%	14.3%	13.3%	12.4%
PA	13.3%	13.2%	12.2%	11.7%	12.4%	11.7%	12.7%	13.7%	13.9%	13.8%	14.3%	12.7%	14.3%	13.4%
PR	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
RI	36.8%	29.5%	27.8%	24.1%	24.7%	21.5%	24.1%	26.0%	25.3%	24.4%	24.1%	24.1%	23.4%	23.1%
SC	16.7%	17.0%	18.2%	17.7%	20.4%	17.8%	18.7%	20.3%	20.0%	20.3%	20.2%	20.1%	23.5%	19.5%
SD	11.9%	16.7%	17.5%	18.4%	20.4%	16.5%	16.5%	17.6%	21.4%	26.9%	26.0%	27.9%	31.7%	28.8%
TN	15.3%	17.3%	15.1%	16.1%	16.7%	17.6%	19.1%	20.4%	20.0%	21.1%	20.9%	20.7%	21.6%	23.3%
TX	19.9%	20.5%	19.6%	18.6%	19.0%	19.9%	23.7%	24.6%	25.3%	25.6%	24.4%	24.1%	24.4%	24.3%
UT	3.3%	2.1%	4.2%	2.1%	3.3%	4.2%	4.3%	6.5%	7.5%	7.4%	8.3%	9.5%	9.4%	6.3%
VA	12.2%	15.4%	15.3%	14.4%	12.6%	12.0%	12.3%	12.8%	12.3%	11.6%	12.3%	10.5%	11.9%	11.8%
VT	8.6%	8.6%	5.9%	5.9%	8.6%	11.4%	14.7%	11.4%	17.1%	11.4%	14.3%	14.3%	14.3%	11.4%
WA	23.2%	24.4%	24.7%	24.2%	24.2%	23.7%	28.1%	28.6%	31.2%	31.3%	32.3%	31.0%	32.0%	35.2%
WI	14.7%	15.0%	14.3%	15.5%	15.2%	17.7%	16.9%	17.2%	19.5%	18.5%	19.7%	21.0%	20.6%	23.8%
WV	9.0%	9.0%	7.6%	10.1%	10.0%	10.8%	10.8%	10.7%	10.7%	10.8%	12.4%	10.8%	11.8%	11.1%
WY	8.8%	8.6%	17.1%	11.8%	8.8%	11.8%	20.0%	14.7%	17.6%	17.1%	17.1%	14.3%	22.9%	26.5%
National	17.4%	17.8%	16.7%	16.6%	16.8%	17.0%	17.5%	17.9%	18.1%	18.4%	18.8%	18.9%	19.3%	19.5%

PERCENTAGES OF HOMES WITH SHORTAGES OF AIDES, BY STATE, CONTINUED

Provider State	9/6/20	9/13/20	9/20/20	9/27/20	10/4/20	10/11/20	10/18/20	10/25/20	11/1/20	11/8/20	11/15/20	11/22/20	11/29/20	12/6/20
AK	35.0%	25.0%	30.0%	20.0%	45.0%	35.0%	45.0%	25.0%	30.0%	25.0%	35.0%	25.0%	22.2%	29.4%
AL	31.7%	33.2%	32.4%	29.1%	33.8%	29.0%	30.0%	29.4%	29.6%	27.4%	27.3%	29.0%	26.7%	31.3%
AR	15.7%	14.5%	13.7%	14.0%	14.4%	16.9%	13.6%	15.4%	16.3%	15.5%	13.8%	14.0%	15.2%	17.5%
AZ	19.4%	16.2%	18.8%	16.8%	16.0%	16.0%	15.7%	18.3%	20.6%	17.5%	17.6%	19.1%	21.2%	21.1%
CA	1.7%	1.6%	1.9%	1.3%	1.8%	1.7%	1.2%	1.3%	1.4%	1.3%	1.5%	1.6%	1.7%	2.5%
CO	17.1%	17.5%	18.3%	19.8%	18.4%	18.4%	19.4%	20.4%	23.4%	22.1%	24.5%	22.9%	25.2%	23.5%
CT	2.9%	4.4%	4.4%	4.4%	4.4%	5.9%	6.3%	6.4%	6.3%	5.8%	6.9%	6.1%	6.0%	10.9%
DC	10.5%	15.8%	15.8%	15.8%	10.5%	21.1%	10.5%	10.5%	10.5%	5.6%	5.6%	10.5%	16.7%	12.5%
DE	11.1%	8.7%	13.3%	17.4%	13.6%	13.0%	15.2%	10.9%	13.3%	10.9%	15.2%	19.6%	17.8%	16.3%
FL	12.5%	13.0%	12.0%	11.7%	12.7%	11.3%	11.2%	10.4%	10.3%	10.1%	11.8%	11.2%	9.6%	9.5%
GA	36.2%	36.0%	36.5%	36.1%	35.1%	35.6%	36.3%	35.6%	34.4%	32.8%	34.0%	32.7%	32.0%	31.1%
GU	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
HI	23.3%	22.0%	19.0%	23.3%	19.0%	23.3%	30.2%	23.3%	18.6%	18.6%	19.0%	22.0%	22.0%	20.5%
IA	29.5%	29.9%	30.5%	32.9%	32.8%	33.0%	33.8%	35.0%	36.5%	37.3%	36.8%	35.6%	34.6%	34.6%
ID	23.4%	27.3%	22.4%	21.3%	28.6%	20.8%	26.0%	24.7%	27.6%	33.8%	31.1%	35.6%	31.3%	31.4%
IL	22.8%	22.8%	21.2%	21.0%	22.0%	21.5%	23.2%	24.2%	23.4%	22.3%	21.5%	23.3%	21.5%	23.9%
IN	13.6%	16.2%	16.3%	17.0%	16.7%	17.2%	16.4%	19.0%	18.4%	22.8%	22.7%	23.8%	22.0%	21.4%
KS	32.6%	31.8%	34.9%	34.7%	33.3%	34.3%	36.0%	33.2%	36.6%	37.7%	41.3%	38.7%	39.4%	41.2%
KY	17.2%	16.5%	21.2%	17.8%	17.2%	19.2%	18.2%	16.2%	17.6%	16.3%	18.0%	14.4%	15.6%	16.7%
LA	29.2%	30.0%	29.7%	28.0%	27.5%	26.2%	25.5%	26.5%	26.1%	26.3%	25.3%	26.1%	24.4%	25.1%
MA	7.6%	8.2%	7.9%	7.6%	8.4%	7.6%	6.8%	4.9%	3.8%	1.9%	1.1%	1.4%	0.8%	2.0%
MD	11.7%	10.0%	10.0%	10.9%	9.9%	9.5%	9.5%	10.4%	9.0%	9.5%	10.9%	9.5%	10.6%	10.0%
ME	34.8%	32.6%	30.1%	31.2%	31.2%	30.4%	33.3%	30.1%	29.0%	29.3%	32.2%	35.5%	31.5%	33.0%
MI	28.3%	29.7%	29.4%	30.4%	28.6%	28.9%	30.9%	30.9%	31.5%	32.8%	33.0%	31.7%	32.7%	32.0%
MN	35.2%	36.9%	40.1%	40.3%	41.6%	40.8%	42.0%	41.9%	45.5%	48.7%	51.0%	51.9%	49.6%	49.7%
MO	23.2%	24.5%	25.1%	25.5%	25.1%	25.5%	26.1%	25.9%	27.6%	27.3%	27.6%	28.7%	27.2%	29.2%
MS	26.7%	23.5%	24.7%	24.2%	23.2%	24.5%	25.0%	25.0%	22.8%	23.3%	22.9%	23.0%	22.3%	24.4%
MT	18.5%	23.9%	19.4%	29.9%	40.9%	38.5%	36.9%	34.8%	29.2%	30.8%	30.8%	34.9%	35.9%	26.8%
NC	25.6%	25.2%	23.3%	26.7%	24.9%	26.2%	25.6%	27.7%	26.9%	27.3%	26.8%	23.7%	24.1%	24.7%
ND	28.6%	31.6%	31.2%	37.2%	34.7%	36.8%	36.8%	36.4%	35.1%	43.8%	43.7%	37.7%	34.7%	38.9%
NE	21.8%	25.4%	26.0%	26.6%	26.9%	30.2%	33.5%	29.7%	32.6%	29.6%	32.8%	38.8%	33.3%	34.8%
NH	27.5%	32.4%	25.7%	27.1%	24.3%	23.9%	30.0%	29.2%	23.6%	28.2%	30.6%	30.6%	27.9%	30.8%
NJ	4.0%	4.6%	4.6%	4.0%	4.0%	3.7%	4.0%	3.7%	3.7%	4.5%	4.3%	4.9%	5.2%	5.0%
NM	19.1%	19.1%	16.2%	13.4%	22.1%	14.7%	19.1%	20.9%	19.7%	20.0%	20.3%	20.3%	24.6%	21.3%
NV	16.4%	15.9%	20.6%	18.0%	18.0%	19.7%	16.4%	24.6%	16.4%	23.0%	21.3%	25.4%	29.5%	26.8%
NY	14.7%	14.9%	14.0%	13.4%	11.8%	11.5%	13.1%	10.6%	11.9%	11.8%	11.5%	12.6%	13.2%	15.0%
OH	26.6%	27.1%	27.3%	27.8%	27.6%	28.6%	28.2%	26.9%	26.5%	27.7%	27.6%	28.3%	30.1%	30.0%
OK	26.9%	26.4%	27.4%	26.5%	27.2%	26.1%	27.2%	29.0%	29.1%	25.1%	30.6%	30.0%	31.5%	32.4%
OR	11.5%	17.4%	16.5%	19.7%	12.4%	17.4%	16.4%	16.5%	22.3%	24.6%	27.3%	20.3%	23.3%	22.4%
PA	13.8%	13.8%	14.1%	14.4%	13.8%	14.2%	13.7%	14.3%	14.3%	14.5%	14.9%	15.7%	16.2%	16.7%
PR	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
RI	24.4%	21.5%	22.8%	24.4%	29.5%	26.9%	29.5%	26.9%	28.2%	24.7%	31.2%	32.5%	32.5%	30.7%
SC	22.6%	22.5%	19.4%	21.0%	22.6%	20.2%	21.1%	17.9%	18.2%	19.9%	16.6%	15.4%	15.5%	15.3%
SD	34.6%	36.5%	39.4%	40.4%	39.8%	41.2%	40.8%	42.3%	44.4%	42.4%	47.0%	47.1%	42.7%	33.0%
TN	22.7%	24.4%	24.4%	24.3%	24.4%	25.7%	24.5%	24.8%	27.1%	26.7%	28.7%	26.6%	24.5%	24.8%
TX	23.0%	19.0%	12.1%	9.2%	6.7%	6.6%	6.7%	7.0%	6.2%	7.1%	6.3%	6.7%	6.9%	7.4%
UT	6.3%	9.4%	8.3%	10.5%	13.7%	14.9%	9.5%	9.6%	13.2%	15.2%	15.2%	14.4%	15.9%	21.8%
VA	10.9%	14.1%	12.1%	11.3%	11.2%	14.9%	12.4%	13.1%	12.1%	13.6%	11.4%	9.2%	9.0%	9.8%
VT	14.3%	14.3%	11.8%	17.1%	14.3%	11.4%	11.4%	14.3%	11.4%	14.3%	11.4%	11.8%	8.6%	14.3%
WA	34.2%	33.2%	33.8%	33.0%	30.4%	32.0%	31.1%	32.1%	32.1%	35.2%	33.5%	35.7%	35.4%	34.8%
WI	24.1%	23.3%	24.3%	26.2%	27.6%	28.6%	31.6%	31.1%	33.2%	33.0%	36.3%	37.0%	32.7%	32.6%
WV	11.1%	11.0%	9.6%	9.5%	9.6%	10.1%	10.0%	9.4%	10.0%	9.9%	10.8%	7.6%	7.6%	10.1%
WY	23.5%	23.5%	20.0%	28.6%	35.3%	34.3%	38.2%	37.1%	47.1%	48.6%	51.6%	45.7%	50.0%	43.8%
National	19.7%	19.8%	19.3%	19.3%	19.1%	19.2%	19.5%	19.4%	19.7%	20.0%	20.4%	20.5%	20.0%	20.6%

PERCENTAGES OF HOMES WITH SHORTAGES OF CLINICAL STAFF, BY STATE

Provider State	5/31/20	6/7/20	6/14/20	6/21/20	6/28/20	7/5/20	7/12/20	7/19/20	7/26/20	8/2/20	8/9/20	8/16/20	8/23/20	8/30/20
AK	0.0%	0.0%	0.0%	0.0%	5.0%	0.0%	5.0%	10.5%	0.0%	0.0%	0.0%	5.3%	0.0%	0.0%
AL	0.9%	0.9%	3.7%	2.7%	2.8%	4.1%	3.1%	4.2%	4.7%	5.0%	3.8%	2.8%	2.3%	2.3%
AR	0.5%	1.9%	0.5%	1.4%	2.8%	1.4%	1.5%	2.4%	1.9%	1.0%	2.8%	0.9%	0.5%	1.4%
AZ	0.0%	0.7%	2.1%	0.7%	2.2%	1.5%	2.9%	1.5%	1.5%	0.8%	3.7%	2.1%	2.1%	2.1%
CA	0.9%	0.4%	0.4%	0.2%	0.3%	0.3%	0.3%	0.4%	0.4%	0.1%	0.1%	0.1%	0.3%	0.2%
CO	2.0%	3.3%	3.3%	3.3%	4.2%	2.3%	3.7%	2.8%	2.8%	0.5%	1.8%	2.8%	2.3%	2.3%
CT	1.0%	1.5%	2.5%	0.5%	2.5%	4.9%	2.9%	2.9%	4.9%	0.5%	1.0%	2.4%	1.0%	1.0%
DC	0.0%	0.0%	0.0%	5.3%	0.0%	0.0%	15.8%	5.3%	0.0%	0.0%	5.3%	0.0%	5.3%	0.0%
DE	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	0.0%	2.2%	0.0%	4.3%	0.0%
FL	2.4%	1.2%	2.0%	2.9%	1.8%	3.1%	2.2%	1.7%	2.3%	0.9%	2.6%	2.3%	0.9%	2.5%
GA	2.8%	3.0%	3.9%	3.9%	3.3%	4.6%	3.4%	2.4%	2.4%	1.8%	4.4%	1.8%	1.5%	2.0%
GU	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
HI	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
IA	1.7%	1.2%	1.7%	1.7%	2.4%	0.5%	1.4%	2.2%	1.4%	1.4%	0.7%	1.2%	0.7%	1.4%
ID	2.8%	2.6%	1.3%	1.3%	1.3%	1.3%	2.6%	0.0%	0.0%	1.3%	1.3%	1.3%	1.3%	0.0%
IL	3.8%	2.7%	2.5%	2.7%	3.4%	3.1%	3.6%	3.7%	3.1%	2.1%	2.2%	2.4%	2.9%	2.8%
IN	1.9%	2.0%	1.8%	1.6%	2.6%	2.0%	1.8%	1.6%	1.6%	1.2%	2.4%	1.8%	1.6%	0.8%
KS	3.9%	3.2%	2.5%	3.5%	2.5%	5.1%	2.2%	2.6%	2.3%	2.6%	1.9%	3.2%	3.2%	2.9%
KY	1.2%	1.9%	1.9%	1.9%	2.7%	1.1%	1.1%	1.9%	1.9%	1.1%	1.5%	1.1%	0.7%	1.5%
LA	2.8%	3.1%	4.2%	3.1%	2.7%	2.3%	2.3%	1.9%	1.2%	1.5%	2.3%	3.1%	2.3%	1.9%
MA	4.2%	3.3%	3.3%	1.6%	1.1%	0.8%	0.8%	1.1%	2.7%	2.2%	1.1%	0.3%	1.9%	0.0%
MD	1.0%	1.9%	2.3%	0.5%	1.4%	0.9%	0.5%	1.4%	1.8%	1.4%	0.9%	1.8%	1.8%	0.9%
ME	5.4%	6.5%	5.4%	6.5%	3.3%	2.2%	2.2%	4.3%	2.2%	3.3%	3.3%	3.3%	4.3%	4.4%
MI	3.5%	3.6%	2.8%	2.8%	3.1%	2.8%	2.6%	3.2%	2.3%	2.0%	3.2%	1.7%	2.5%	1.5%
MN	3.0%	2.9%	3.1%	2.5%	1.4%	3.6%	3.1%	3.4%	3.1%	2.8%	3.3%	1.4%	1.1%	2.0%
MO	4.8%	5.7%	4.8%	3.0%	3.2%	3.6%	4.3%	2.6%	2.2%	2.8%	2.8%	2.8%	2.8%	3.0%
MS	1.1%	1.6%	1.6%	3.2%	3.2%	2.7%	5.4%	2.7%	2.2%	1.6%	0.0%	0.5%	1.0%	1.1%
MT	1.6%	3.1%	0.0%	3.0%	1.5%	3.0%	3.0%	1.5%	1.5%	1.5%	3.0%	4.5%	1.5%	0.0%
NC	2.0%	5.4%	1.2%	1.4%	1.7%	1.2%	1.7%	2.2%	0.7%	0.7%	0.0%	0.7%	0.2%	1.0%
ND	2.6%	5.1%	1.3%	1.3%	2.6%	5.1%	1.3%	3.8%	5.1%	3.8%	2.6%	3.8%	2.6%	2.6%
NE	3.2%	1.6%	3.1%	3.1%	4.7%	4.2%	2.1%	4.2%	2.6%	1.6%	2.1%	0.5%	0.5%	1.0%
NH	2.8%	2.8%	1.4%	2.9%	1.4%	2.9%	2.9%	1.4%	4.2%	1.4%	2.8%	4.2%	4.2%	4.2%
NJ	2.2%	3.0%	3.9%	3.2%	2.9%	3.5%	4.4%	2.6%	2.9%	2.6%	2.9%	2.6%	2.0%	1.7%
NM	1.6%	6.2%	3.0%	1.5%	2.9%	1.4%	4.4%	1.5%	5.9%	3.0%	5.8%	2.9%	5.9%	4.4%
NV	0.0%	0.0%	0.0%	0.0%	3.3%	1.6%	0.0%	0.0%	1.6%	0.0%	3.2%	1.7%	0.0%	4.8%
NY	3.9%	4.6%	4.1%	4.4%	4.5%	4.7%	3.7%	2.0%	2.7%	3.1%	4.5%	3.6%	2.7%	2.8%
OH	2.5%	2.6%	3.1%	3.0%	2.4%	2.8%	3.0%	3.1%	2.3%	2.5%	2.6%	2.4%	2.6%	2.6%
OK	3.4%	3.6%	3.9%	2.8%	2.5%	2.8%	2.9%	4.6%	3.2%	2.5%	4.5%	3.2%	3.5%	2.8%
OR	1.7%	1.7%	0.8%	1.7%	4.2%	1.7%	3.4%	3.3%	4.1%	3.4%	3.4%	0.8%	0.8%	0.8%
PA	1.8%	2.9%	2.7%	2.2%	2.2%	2.8%	2.8%	3.1%	2.7%	2.5%	2.2%	1.1%	1.8%	1.1%
PR	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
RI	2.6%	0.0%	3.8%	0.0%	0.0%	0.0%	2.5%	2.6%	1.3%	2.6%	1.3%	0.0%	2.6%	2.6%
SC	1.1%	1.1%	2.1%	2.2%	2.7%	0.5%	2.2%	1.1%	2.2%	2.2%	1.6%	0.5%	1.6%	1.6%
SD	1.0%	2.0%	2.9%	2.9%	3.9%	1.0%	1.0%	1.0%	1.0%	1.9%	1.9%	1.9%	1.9%	0.0%
TN	1.7%	1.6%	0.7%	1.6%	2.6%	2.3%	2.6%	2.3%	3.0%	2.6%	1.3%	2.0%	3.3%	1.0%
TX	2.8%	3.4%	3.0%	3.5%	3.1%	3.3%	3.5%	3.2%	3.6%	3.9%	3.0%	2.5%	2.3%	2.6%
UT	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	1.1%	3.3%	2.2%	2.1%	5.2%	1.1%	3.1%	1.0%
VA	1.1%	4.1%	2.9%	3.3%	3.6%	2.5%	1.4%	1.8%	1.8%	1.8%	1.8%	1.1%	2.5%	2.9%
VT	0.0%	0.0%	0.0%	0.0%	0.0%	2.9%	5.9%	2.9%	5.7%	0.0%	2.9%	2.9%	0.0%	0.0%
WA	1.6%	3.1%	4.0%	3.0%	4.0%	3.0%	5.0%	2.5%	6.0%	3.6%	3.0%	2.5%	2.0%	2.5%
WI	1.2%	0.9%	0.9%	1.7%	2.0%	2.9%	1.5%	3.2%	3.2%	2.3%	2.0%	1.5%	2.0%	2.3%
WV	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.8%	2.5%	1.6%	0.8%	0.8%	0.8%	0.8%	0.9%
WY	0.0%	0.0%	5.7%	0.0%	2.9%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
National	2.3%	2.6%	2.5%	2.4%	2.5%	2.5%	2.5%	2.4%	2.4%	2.0%	2.3%	1.8%	1.9%	1.8%

PERCENTAGES OF HOMES WITH SHORTAGES OF CLINICAL STAFF, BY STATE, CONTINUED

Provider State	9/6/20	9/13/20	9/20/20	9/27/20	10/4/20	10/11/20	10/18/20	10/25/20	11/1/20	11/8/20	11/15/20	11/22/20	11/29/20	12/6/20
AK	5.0%	0.0%	5.0%	0.0%	15.0%	10.0%	5.0%	5.0%	0.0%	0.0%	5.0%	0.0%	0.0%	0.0%
AL	4.6%	4.1%	2.4%	1.8%	3.7%	2.7%	1.8%	4.1%	2.8%	3.2%	2.7%	2.8%	1.0%	4.3%
AR	2.3%	1.9%	1.9%	0.9%	0.5%	1.9%	1.9%	1.9%	0.5%	2.3%	1.0%	0.5%	0.9%	1.9%
AZ	2.8%	2.8%	1.4%	0.7%	1.4%	2.1%	0.7%	1.4%	1.4%	1.5%	2.2%	2.2%	0.7%	1.5%
CA	0.3%	0.4%	0.2%	0.1%	0.4%	0.3%	0.2%	0.2%	0.2%	0.2%	0.1%	0.1%	0.3%	0.4%
CO	3.2%	3.2%	3.2%	6.5%	3.7%	2.3%	2.8%	1.9%	2.8%	3.4%	4.7%	1.9%	2.9%	3.1%
CT	1.0%	1.9%	2.9%	1.9%	1.0%	3.4%	3.9%	3.4%	2.9%	2.4%	3.0%	2.6%	0.5%	5.0%
DC	0.0%	5.3%	5.3%	5.3%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.6%	6.3%
DE	0.0%	0.0%	2.2%	2.2%	2.3%	0.0%	2.2%	0.0%	0.0%	2.2%	0.0%	2.2%	2.2%	2.3%
FL	2.4%	2.7%	3.2%	2.7%	3.0%	2.4%	2.7%	3.0%	1.6%	1.6%	2.1%	3.4%	0.9%	2.0%
GA	3.3%	2.4%	5.0%	3.3%	2.9%	2.4%	3.6%	4.2%	2.7%	4.2%	5.4%	3.0%	2.4%	2.2%
GU	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
HI	2.3%	0.0%	2.4%	0.0%	0.0%	4.7%	11.6%	2.3%	0.0%	2.3%	4.8%	4.9%	0.0%	2.6%
IA	2.2%	2.1%	2.1%	1.2%	3.1%	2.5%	2.4%	2.5%	2.5%	3.3%	1.8%	3.5%	3.0%	3.6%
ID	5.2%	1.3%	1.3%	2.7%	5.2%	2.6%	5.2%	5.2%	1.3%	5.4%	5.4%	5.5%	6.3%	2.9%
IL	2.8%	3.2%	3.2%	4.5%	3.7%	3.7%	3.9%	3.7%	4.5%	4.1%	4.9%	3.5%	2.5%	3.6%
IN	1.4%	2.0%	1.2%	1.6%	1.8%	1.6%	1.8%	1.4%	2.0%	2.9%	1.8%	2.7%	1.4%	2.1%
KS	3.5%	2.3%	2.5%	3.9%	2.9%	4.2%	4.8%	4.2%	4.9%	4.5%	6.6%	4.6%	5.7%	4.0%
KY	1.5%	1.1%	3.0%	2.7%	0.7%	1.9%	2.3%	1.5%	2.7%	2.7%	1.9%	1.6%	1.1%	2.4%
LA	3.0%	1.9%	2.6%	3.0%	2.7%	1.5%	1.1%	3.5%	4.2%	2.3%	2.7%	2.7%	1.5%	2.0%
MA	0.8%	1.9%	1.4%	1.9%	2.2%	1.1%	1.6%	0.5%	0.8%	0.6%	0.0%	0.0%	0.0%	0.6%
MD	0.9%	0.9%	1.8%	1.8%	2.3%	0.9%	1.4%	2.3%	0.9%	1.8%	1.8%	0.9%	2.8%	0.9%
ME	4.3%	6.5%	3.2%	4.3%	3.2%	2.2%	2.2%	3.2%	4.3%	4.3%	2.2%	4.3%	4.3%	4.5%
MI	2.0%	2.7%	2.2%	2.4%	1.7%	1.7%	1.5%	1.7%	1.5%	3.2%	3.0%	4.0%	3.7%	2.5%
MN	1.7%	2.3%	3.4%	2.8%	4.8%	4.2%	4.6%	2.5%	3.4%	5.6%	5.2%	6.0%	3.5%	3.9%
MO	3.2%	4.2%	4.6%	4.4%	2.6%	3.6%	4.1%	3.6%	4.3%	3.7%	4.5%	4.7%	3.6%	4.3%
MS	2.7%	2.1%	2.6%	2.1%	2.1%	3.1%	4.2%	4.2%	3.2%	4.2%	1.6%	2.1%	1.6%	3.9%
MT	0.0%	1.5%	1.5%	6.0%	6.1%	6.2%	3.1%	3.0%	4.6%	1.5%	6.2%	11.1%	7.8%	1.8%
NC	1.5%	1.5%	0.5%	1.0%	2.2%	1.0%	2.7%	2.0%	2.2%	1.0%	2.0%	2.0%	1.7%	1.5%
ND	2.6%	1.3%	5.2%	2.6%	2.7%	5.3%	7.9%	5.2%	3.9%	5.5%	4.2%	4.3%	4.0%	4.2%
NE	2.1%	2.1%	3.6%	2.1%	0.0%	3.1%	4.1%	2.1%	2.6%	4.3%	4.3%	6.9%	1.1%	2.1%
NH	2.9%	4.2%	2.9%	2.9%	5.7%	4.2%	4.3%	4.2%	2.8%	2.8%	1.4%	2.8%	1.5%	3.1%
NJ	1.1%	1.7%	1.4%	1.7%	2.0%	2.3%	1.4%	2.9%	2.3%	2.8%	2.0%	2.6%	2.0%	1.8%
NM	2.9%	5.9%	1.5%	3.0%	2.9%	4.4%	2.9%	3.0%	1.5%	4.6%	3.1%	3.1%	6.2%	3.3%
NV	3.3%	4.8%	6.3%	0.0%	4.9%	1.6%	3.3%	4.9%	4.9%	1.6%	6.6%	3.4%	1.6%	0.0%
NY	3.2%	3.8%	3.3%	3.6%	2.2%	1.7%	3.0%	2.2%	3.7%	3.5%	4.1%	3.0%	1.9%	2.7%
OH	3.6%	3.6%	3.7%	3.9%	4.3%	4.0%	4.7%	4.0%	3.8%	4.7%	4.6%	5.1%	4.8%	6.0%
OK	4.5%	3.5%	4.5%	3.1%	2.8%	2.5%	4.7%	2.5%	2.8%	3.1%	2.8%	3.5%	1.4%	1.9%
OR	1.6%	2.5%	2.5%	4.9%	1.7%	0.8%	2.5%	0.0%	2.5%	3.3%	5.8%	3.3%	3.4%	0.9%
PA	1.4%	2.0%	2.4%	2.3%	1.5%	1.7%	1.7%	1.8%	1.2%	1.7%	1.4%	1.1%	0.8%	1.5%
PR	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
RI	1.3%	2.5%	2.5%	3.8%	2.6%	3.8%	3.8%	2.6%	5.1%	2.6%	2.6%	2.6%	2.6%	1.3%
SC	3.8%	2.7%	4.3%	2.7%	2.2%	2.1%	2.2%	2.2%	1.1%	2.7%	1.1%	2.7%	0.5%	1.6%
SD	3.8%	3.8%	1.9%	4.8%	1.9%	2.9%	2.9%	4.8%	4.0%	3.0%	4.0%	4.9%	1.9%	3.2%
TN	1.3%	1.3%	2.3%	1.6%	1.7%	0.7%	2.0%	1.7%	2.3%	2.0%	3.0%	4.7%	2.7%	4.2%
TX	3.4%	1.8%	3.1%	1.6%	1.2%	2.0%	1.7%	1.2%	1.1%	2.0%	1.5%	2.3%	2.0%	1.8%
UT	1.0%	3.1%	3.1%	1.1%	1.1%	6.4%	2.1%	2.1%	3.3%	2.2%	1.1%	1.1%	1.1%	0.0%
VA	2.9%	2.9%	3.3%	1.8%	2.5%	3.6%	2.5%	2.2%	1.1%	1.8%	2.2%	1.8%	1.1%	3.0%
VT	2.9%	5.7%	2.9%	2.9%	2.9%	0.0%	0.0%	2.9%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%
WA	1.5%	2.5%	3.5%	3.0%	2.6%	5.6%	4.1%	5.6%	4.6%	5.1%	3.6%	2.6%	4.7%	2.8%
WI	2.3%	1.5%	2.6%	2.6%	3.2%	2.9%	3.2%	3.3%	3.0%	1.8%	4.8%	2.7%	3.1%	5.0%
WV	1.7%	0.8%	0.9%	0.9%	0.9%	0.8%	0.8%	3.4%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%
WY	0.0%	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	2.9%	2.9%	2.9%	3.2%	0.0%	2.9%	3.1%
National	2.3%	2.3%	2.6%	2.5%	2.3%	2.4%	2.6%	2.4%	2.4%	2.7%	2.8%	2.8%	2.1%	2.6%

NUMBER OF RESIDENTS IN NURSING HOMES WITH SHORTAGES OF AT LEAST ONE TYPE OF DIRECT-CARE STAFF, NATIONALLY

Week Ending	People at Risk
5/31/20	220,837
6/7/20	230,921
6/14/20	216,541
6/21/20	213,302
6/28/20	216,510
7/5/20	216,269
7/12/20	219,654
7/19/20	221,526
7/26/20	223,175
8/2/20	224,383
8/9/20	226,565
8/16/20	228,677
8/23/20	229,723
8/30/20	230,093
9/6/20	232,566
9/13/20	232,284
9/20/20	226,881
9/27/20	224,049
10/4/20	220,670
10/11/20	222,493
10/18/20	222,136
10/25/20	221,307
11/1/20	221,936
11/8/20	226,128
11/15/20	222,528
11/22/20	222,365
11/29/20	214,678
12/6/20	213,116

NUMBER OF NURSING HOMES WITH SHORTAGES OF AT LEAST ONE TYPE OF DIRECT-CARE STAFF, NATIONALLY

Week Ending	Homes at Risk
5/31/20	2,790
6/7/20	2,905
6/14/20	2,759
6/21/20	2,737
6/28/20	2,801
7/5/20	2,817
7/12/20	2,876
7/19/20	2,935
7/26/20	2,973
8/2/20	2,996
8/9/20	3,052
8/16/20	3,072
8/23/20	3,134
8/30/20	3,154
9/6/20	3,221
9/13/20	3,216
9/20/20	3,156
9/27/20	3,133
10/4/20	3,089
10/11/20	3,125
10/18/20	3,155
10/25/20	3,140
11/1/20	3,176
11/8/20	3,255
11/15/20	3,266
11/22/20	3,277
11/29/20	3,169
12/6/20	3,136

NUMBER OF RESIDENTS IN NURSING HOMES WITH SHORTAGES OF AT LEAST ONE TYPE OF DIRECT-CARE STAFF, BY STATE

Provider State	5/31/20	6/7/20	6/14/20	6/21/20	6/28/20	7/5/20	7/12/20	7/19/20	7/26/20	8/2/20	8/9/20	8/16/20	8/23/20	8/30/20
AK	86	57	56	54	94	87	189	237	150	207	112	235	147	110
AL	5304	5060	4932	4919	5121	5836	6285	6330	6505	6596	6506	6255	6581	6365
AR	2926	3211	3074	3475	3968	3500	2309	2358	2555	2594	2966	2251	2416	2598
AZ	1403	1957	1853	1877	1956	1597	2052	1967	2085	1643	2021	2365	2034	1740
CA	3131	2419	2169	1208	1880	1107	2060	2183	1958	1771	1470	1154	1924	1260
CO	1983	2249	1815	2343	2196	2125	2264	2176	2320	1943	2423	2790	2781	2602
CT	1876	2240	2212	1903	909	1082	1022	1377	1117	756	750	926	703	479
DC	1022	1083	763	896	1034	819	1016	998	831	627	811	626	575	471
DE	617	438	439	382	333	359	474	462	474	474	578	500	531	495
FL	5635	4643	5431	5526	5540	6627	7609	7958	9508	8117	10096	10778	9345	10006
GA	9133	9692	9645	9412	9764	9186	8501	8897	9345	10332	10801	10006	10053	10980
GU	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI	735	719	687	793	961	816	939	1020	968	853	865	978	792	875
IA	4756	4510	4500	4883	5088	4590	4935	5511	5282	5156	5046	5487	5501	6237
ID	835	715	603	689	527	657	667	611	671	864	861	1218	1145	1097
IL	14179	14733	13163	13114	13603	14232	13628	14063	13065	12533	11836	12285	13322	12686
IN	5736	6010	5545	5115	6037	5744	5430	5884	6430	5660	5933	5918	6177	5700
KS	3790	3701	3475	3649	3707	3942	3614	3719	3877	3864	4010	4915	5037	4874
KY	3221	3079	2885	3161	3308	3351	3540	3469	3568	3580	3594	4003	3975	4421
LA	7031	7842	7632	7761	7655	7919	8096	8068	8022	7792	7697	7540	7662	7431
MA	7609	7388	6309	5507	4649	3899	3877	3980	4695	4009	3796	2791	2966	2090
MD	3295	4161	3116	2223	2372	2874	2514	2121	2522	2338	2400	2478	2818	2775
ME	1172	1257	1300	1498	1405	1157	1323	1382	1202	1468	1694	1548	1496	1484
MI	7498	7724	7380	8225	8289	8737	8563	9213	8899	9362	10073	10174	10270	10421
MN	6462	7137	6955	6291	5922	6257	6289	6699	6648	6996	7613	6801	7143	7139
MO	8657	8142	7918	7345	8177	8217	8664	7695	7630	8535	8626	9022	8813	8657
MS	3298	4080	3377	3589	3716	3419	4007	3537	3724	3694	3358	3489	3415	3254
MT	410	428	362	571	516	499	430	392	405	425	560	839	704	722
NC	8461	8501	7085	9035	8684	8090	8133	8924	9499	8709	8639	8598	8800	9014
ND	1323	1269	1193	1143	1278	1137	1012	1194	1079	1201	1047	1139	1044	1330
NE	2337	2018	2144	2130	2151	2162	1825	2062	1794	1855	1922	2267	2218	2306
NH	1481	1447	1364	1308	1363	1455	1448	1145	1140	1303	1339	1520	1467	1710
NJ	4597	5271	3780	3059	3447	4038	3430	3413	2814	3149	3047	2509	2542	2089
NM	1059	1305	1438	1178	1155	1250	1164	1082	1351	1306	1109	1255	1339	1224
NV	969	852	796	729	810	730	838	748	681	723	859	904	1094	949
NY	17844	22045	19376	17446	17582	17890	15812	12441	11031	12661	11866	13270	11685	12175
OH	15564	15722	15832	16308	15814	16173	16962	16259	17028	16684	17207	17860	17866	18702
OK	2470	2884	2894	2817	2773	3324	3287	3792	3641	3643	4042	4011	4014	4615
OR	742	683	614	599	816	522	461	704	556	897	767	689	650	636
PA	10432	10354	10744	10475	10231	9469	10096	10285	10015	10530	10686	9850	10549	10048
PR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RI	2181	1621	1736	1366	1342	1171	1414	1324	1478	1513	1458	1543	1537	1546
SC	3632	3754	3823	3727	3902	3619	3308	3663	3723	3971	3684	3679	4187	3752
SD	1251	1442	1333	1342	1485	1283	1243	1378	1422	1801	1700	2528	1831	1714
TN	4621	4956	3947	4677	4215	4695	5114	5550	5699	5490	5303	5692	5461	6110
TX	17155	18165	16982	16209	17012	17019	19654	20643	20506	21730	19964	19296	19396	18963
UT	147	104	229	124	150	242	277	342	463	421	499	432	460	403
VA	3440	4708	4421	3936	3881	3158	3345	3526	3202	3601	3598	2996	3221	3266
VT	139	139	89	90	180	276	216	209	253	183	212	212	220	184
WA	3795	3856	3902	3794	4215	4095	4640	4434	4883	4705	4915	4764	5106	5250
WI	4244	4006	4001	4196	4206	4611	4297	4637	4968	4789	4747	5097	4809	5606
WV	949	941	857	938	946	979	985	1085	1031	991	1119	919	1072	1069
WY	204	203	365	267	145	246	396	379	462	338	340	275	829	463

NUMBER OF RESIDENTS IN NURSING HOMES WITH SHORTAGES OF AT LEAST ONE TYPE OF DIRECT-CARE STAFF, BY STATE, CONTINUED

Provider State	9/6/20	9/13/20	9/20/20	9/27/20	10/4/20	10/11/20	10/18/20	10/25/20	11/1/20	11/8/20	11/15/20	11/22/20	11/29/20	12/6/20
AK	188	114	183	74	349	217	328	185	189	176	275	202	192	205
AL	6229	6222	6422	6003	6603	5986	5764	5752	5864	5710	5702	5884	5311	6161
AR	2480	2358	2502	2546	2527	2603	2225	2573	2499	2326	2271	2207	2275	2354
AZ	2185	1813	2136	1974	1865	2070	1979	2123	2262	1948	1875	2010	2212	2294
CA	1425	1341	1646	1124	1772	1422	1048	1096	1087	1080	1203	1172	1389	2501
CO	2830	2942	3072	2967	2767	2785	2991	3330	3503	3124	3655	3347	3218	3103
CT	593	745	782	736	841	1022	1189	1212	1166	1021	942	1110	1006	1737
DC	468	651	493	495	473	544	473	474	472	177	185	485	689	309
DE	446	394	549	689	509	536	669	642	600	484	589	693	598	529
FL	9088	9113	8737	8895	9421	8422	7838	7803	7044	7029	7838	7807	6583	6616
GA	10903	10977	10884	10409	10208	10234	10151	9969	9923	10793	9977	9212	9591	8338
GU	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI	998	819	734	782	647	843	1150	945	759	843	664	581	711	619
IA	6771	6899	7071	7559	7781	7243	7505	7480	7664	7814	7590	7596	7343	7338
ID	1081	1282	1083	969	1216	1030	1167	1181	1094	1276	1197	1370	989	1084
IL	12961	13077	11919	12043	11852	12102	12632	13306	12133	12372	11926	11899	11326	11723
IN	5929	6279	6419	6500	6167	6653	6265	6670	6924	8825	8328	8713	8273	8101
KS	5430	5074	5821	5525	5441	5326	5519	5144	5653	5973	6301	5819	6375	5430
KY	4092	3905	4829	4159	3954	4255	3918	3833	3594	3495	3730	3115	3342	3251
LA	7769	7479	7615	7258	7233	6780	6813	6805	6726	6736	6551	6493	6042	5842
MA	2647	3220	3133	2660	3077	2692	2468	1557	1270	467	313	562	255	846
MD	2917	2504	2456	2651	2530	2458	2364	2602	2280	2313	2560	2440	2782	2459
ME	1621	1645	1414	1576	1412	1318	1396	1317	1221	1225	1248	1572	1351	1366
MI	10615	10936	10606	10718	10518	10618	10850	11204	11178	11718	11832	11533	9556	10005
MN	7283	7563	8468	8325	8801	8619	8535	8557	9298	9932	10304	10369	9823	9685
MO	9151	9295	9764	9383	9320	9796	9115	9146	10534	9984	9946	10183	8776	9108
MS	3447	3444	3363	3360	3296	3415	3588	3411	3191	3213	3005	3030	2841	2927
MT	739	941	817	1055	1255	1309	1280	1160	1195	1120	992	982	1072	874
NC	9123	8898	8455	9336	8508	9511	9559	9909	9491	9388	9209	8448	8434	8619
ND	1353	1265	1394	1719	1606	1857	1763	1731	1654	1845	1639	1666	1421	1400
NE	2534	2918	2920	3212	2933	3610	3668	3294	3724	3613	3678	3793	3434	3476
NH	1620	2023	1409	1472	1274	1475	1697	1770	1586	1664	1655	1634	1498	1466
NJ	1717	1956	1916	1486	1496	1611	1545	1407	1635	1749	1543	1809	1759	1459
NM	1303	1278	1080	1099	1439	1241	1287	1235	1291	1324	855	848	1364	884
NV	719	672	770	767	811	787	727	965	867	1010	1231	974	1210	1082
NY	11429	12137	11250	10435	8790	8122	9403	8293	8647	8430	8382	9136	9474	10356
OH	18560	18967	19196	19341	19313	20008	19415	18607	17875	18754	18332	18203	19103	17784
OK	4664	4436	4594	4670	4332	4609	4793	4950	5106	4774	5061	5215	4990	4799
OR	696	1002	868	1125	950	1087	983	901	1259	1592	1505	1113	1333	1189
PA	10526	10584	10680	11230	10895	10579	10596	10705	10567	11425	10261	11533	11660	11073
PR	28	0	17	0	0	0	0	0	0	0	0	0	9	6
RI	1584	1539	1536	1746	2017	1982	1920	1692	1892	1629	1867	3055	1869	1784
SC	4178	4156	3708	3914	3996	3812	3931	3736	3652	3733	3459	3382	3151	2944
SD	1969	1969	2171	2277	2109	2367	2230	2413	2335	2320	2340	2394	2180	1609
TN	6232	6162	6287	6360	6393	6513	6547	6427	7070	6957	7310	6471	5715	6536
TX	18316	15203	10085	7371	5852	5675	5574	5867	5480	6010	5465	5416	5811	5638
UT	299	393	506	482	611	655	416	484	1140	632	667	720	747	919
VA	3151	3920	3187	3222	3090	4079	3694	3802	3414	3598	3277	2560	2903	2931
VT	211	247	178	249	214	182	217	247	211	229	209	211	173	224
WA	5137	5069	4916	4897	4446	4868	4588	5041	5002	5907	4995	4974	5012	4844
WI	5542	5182	5651	5866	6445	6117	6863	6714	6929	6597	7038	6966	5984	5934
WV	971	895	838	827	736	737	735	728	787	783	733	609	592	638
WY	418	381	351	511	579	711	765	912	999	991	818	849	931	717

NUMBER OF NURSING HOMES WITH SHORTAGES OF AT LEAST ONE TYPE OF DIRECT-CARE STAFF, BY STATE

Provider State	5/31/20	6/7/20	6/14/20	6/21/20	6/28/20	7/5/20	7/12/20	7/19/20	7/26/20	8/2/20	8/9/20	8/16/20	8/23/20	8/30/20
AK	4	3	3	3	5	5	6	7	4	5	4	6	4	4
AL	61	60	62	62	61	69	73	75	79	80	80	78	82	81
AR	38	44	41	46	53	47	32	36	37	38	44	35	34	38
AZ	17	25	23	24	27	23	32	30	30	25	27	32	28	25
CA	35	28	24	16	22	17	29	29	27	26	21	17	25	18
CO	34	38	32	39	38	35	36	35	36	31	37	45	43	42
CT	20	26	24	20	12	17	14	17	16	10	9	12	8	6
DC	6	8	6	6	6	4	6	5	5	3	4	3	3	2
DE	7	5	5	5	4	4	5	5	6	5	6	6	7	6
FL	58	47	55	57	57	68	73	82	96	85	106	109	95	101
GA	114	118	118	115	118	113	107	111	115	127	134	128	129	139
GU	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI	10	9	9	11	12	9	11	12	11	10	10	12	10	12
IA	92	89	89	97	99	87	93	105	101	101	99	103	106	118
ID	14	14	11	13	9	11	11	10	12	15	15	23	22	21
IL	182	187	171	169	175	179	172	172	168	166	160	161	181	171
IN	79	85	78	71	81	79	72	81	82	78	84	82	87	81
KS	78	76	71	72	76	80	75	76	79	84	86	103	111	111
KY	39	38	34	36	38	41	41	41	42	41	41	48	48	54
LA	76	85	83	86	85	89	92	91	91	93	90	93	92	91
MA	85	84	76	57	53	46	46	47	55	46	43	31	34	24
MD	37	42	33	23	22	26	24	20	24	22	23	25	27	27
ME	23	25	25	28	28	25	28	30	27	31	34	31	30	30
MI	90	88	88	97	100	104	101	110	107	112	121	121	122	125
MN	114	125	122	111	109	113	118	124	116	124	132	124	127	129
MO	114	117	116	106	118	120	120	112	115	123	127	130	128	124
MS	46	47	48	51	53	49	58	52	56	55	52	51	51	48
MT	8	8	7	11	10	10	9	8	8	9	13	18	14	14
NC	102	103	89	109	105	102	105	114	116	107	106	107	109	110
ND	21	23	19	18	20	19	17	20	19	20	18	19	19	22
NE	41	40	40	38	40	39	36	40	34	35	36	43	42	45
NH	18	18	16	17	18	18	18	15	16	16	16	18	20	22
NJ	48	55	41	35	37	42	39	35	30	34	32	30	28	20
NM	13	16	18	15	15	16	15	14	17	16	15	16	18	17
NV	9	9	7	9	10	10	10	9	10	10	11	11	12	12
NY	133	147	140	137	137	139	123	100	90	101	105	101	97	99
OH	219	221	219	224	216	221	231	227	232	234	238	249	255	268
OK	44	53	51	52	51	60	57	69	65	66	73	76	77	91
OR	16	15	14	14	16	15	13	15	14	19	17	17	16	15
PA	95	93	90	88	89	84	91	94	94	94	99	86	98	92
PR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RI	29	23	22	20	20	17	19	20	20	20	20	20	20	20
SC	36	39	39	36	40	35	36	40	40	40	40	40	47	40
SD	22	26	23	24	27	22	22	25	26	32	31	32	35	33
TN	55	60	50	55	56	58	63	66	71	70	69	71	72	80
TX	238	260	246	232	247	254	294	306	316	324	303	296	299	294
UT	3	2	4	2	3	5	5	6	7	7	10	10	11	7
VA	38	51	46	43	40	38	37	38	34	38	36	31	34	35
VT	3	3	2	2	4	5	6	5	6	4	5	5	5	4
WA	50	53	54	54	56	56	64	62	68	66	69	66	70	73
WI	62	59	58	64	68	75	70	71	81	79	79	83	78	89
WV	11	12	11	12	12	13	13	14	14	13	16	13	15	15
WY	3	3	6	5	3	4	8	7	8	6	6	5	9	9

NUMBER OF NURSING HOMES WITH SHORTAGES OF AT LEAST ONE TYPE OF DIRECT-CARE STAFF, BY STATE, CONTINUED

Provider State	9/6/20	9/13/20	9/20/20	9/27/20	10/4/20	10/11/20	10/18/20	10/25/20	11/1/20	11/8/20	11/15/20	11/22/20	11/29/20	12/6/20
AK	7	5	6	5	10	8	10	6	7	6	8	6	5	6
AL	83	82	83	77	85	77	76	74	72	71	70	71	63	73
AR	37	37	34	35	38	39	34	38	37	37	33	33	37	39
AZ	29	25	29	27	26	29	27	29	32	27	26	29	31	33
CA	20	20	24	16	22	22	15	18	17	17	18	20	22	31
CO	44	48	49	51	45	46	50	53	57	52	62	60	60	55
CT	7	10	9	9	10	13	13	14	14	13	14	15	14	25
DC	2	3	3	3	2	4	2	2	2	1	1	2	3	2
DE	5	4	6	8	6	6	8	7	7	5	7	9	8	7
FL	93	96	91	91	95	88	84	79	76	76	86	81	68	71
GA	140	141	143	137	133	132	132	128	128	125	128	123	122	109
GU	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HI	13	12	10	10	8	10	14	11	9	10	9	9	9	8
IA	131	136	137	147	151	145	151	152	157	161	159	162	155	149
ID	22	25	20	20	25	21	25	24	23	27	26	31	24	25
IL	178	179	168	170	170	170	174	182	177	174	170	174	165	165
IN	85	91	90	94	89	94	90	98	101	125	119	124	119	116
KS	118	110	124	121	119	117	126	118	125	135	142	131	137	128
KY	51	47	60	51	50	53	50	49	50	46	49	42	46	45
LA	93	89	88	86	83	79	78	82	79	79	76	76	69	67
MA	29	35	34	32	35	30	29	19	16	7	4	5	3	10
MD	28	25	24	26	25	23	23	25	22	23	26	24	27	25
ME	34	33	30	32	30	28	31	30	29	30	30	36	31	32
MI	126	130	128	132	128	127	133	137	141	152	153	147	118	128
MN	134	138	151	149	157	155	154	157	167	183	188	192	182	175
MO	133	134	142	139	138	145	138	138	154	155	151	154	141	147
MS	53	50	52	51	49	52	53	52	48	49	48	47	42	45
MT	14	18	17	25	29	28	28	27	25	25	23	26	26	21
NC	115	113	108	119	108	120	121	123	118	118	117	108	109	112
ND	22	24	24	29	27	34	34	34	32	35	34	32	31	30
NE	48	53	54	56	57	64	69	62	69	66	72	78	66	71
NH	20	24	18	19	19	19	21	21	20	21	23	22	20	20
NJ	18	19	20	16	17	18	16	15	15	17	16	18	21	17
NM	18	18	14	14	20	17	18	18	17	18	14	15	18	15
NV	10	11	13	11	12	12	12	15	12	14	17	15	18	16
NY	96	100	93	90	78	76	85	75	80	81	76	84	87	92
OH	267	269	276	272	271	280	280	267	264	275	273	275	289	273
OK	88	87	91	90	87	89	93	96	100	95	100	105	102	97
OR	17	21	20	24	19	22	23	20	28	34	34	28	30	27
PA	97	96	98	101	96	97	96	97	95	103	98	110	112	112
PR	1	0	1	0	0	0	0	0	0	0	0	0	1	1
RI	20	20	20	22	24	24	24	22	23	21	25	27	26	25
SC	48	47	45	45	43	41	42	40	37	39	34	34	33	30
SD	39	40	44	45	42	45	44	49	46	47	50	51	48	36
TN	78	80	80	80	80	81	81	81	90	87	92	87	79	76
TX	282	237	154	116	88	88	87	87	80	92	85	89	88	88
UT	6	9	10	10	13	15	10	12	16	15	16	15	17	19
VA	33	42	35	36	34	44	39	40	36	39	35	27	30	29
VT	5	6	4	6	5	4	5	6	5	6	5	5	4	6
WA	71	71	70	67	60	66	63	68	69	72	67	71	74	71
WI	91	84	93	99	107	103	119	116	122	118	128	126	111	110
WV	14	14	12	12	12	12	12	12	13	13	13	10	11	12
WY	8	8	7	10	12	13	13	15	17	18	16	16	17	14

Notes

1. Based on Frontier Group analysis of CMS Nursing Home COVID-19 data.
2. Ibid.
3. Ibid.
4. Interviews, January 2021; Center for Medicare Advocacy, <https://medicareadvocacy.org/studies-find-higher-nurse-staffing-levels-in-nursing-facilities-are-correlated-with-better-containment-of-covid-19/>.
5. Interviews, January 2021.
6. Interview, January 2021.
7. Ibid.
8. CDC, <https://www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/people-innursing-homes.html>.
9. As of Jan. 15, there have been 101,970 COVID deaths in nursing homes and 522,516 confirmed cases, according to CMS, <https://data.cms.gov/stories/s/bkwz-xpvg>. In the U.S., there have been 400,378 deaths and 24 million cases as of Jan. 15, per WorldOMeter. <https://www.worldometers.info/>.
10. <https://data.cms.gov/stories/s/COVID-19-Nursing-Home-Data/bkwz-xpvg>
11. Ibid.
12. Based on Frontier Group analysis of CMS Nursing Home COVID-19 data.
13. CMS, <https://data.cms.gov/Special-Programs-Initiatives-COVID-19-Nursing-Home/COVID-19-Nursing-Home-Dataset/s2uc-8wxp>
14. Based on Frontier Group analysis of CMS Nursing Home COVID-19 data.
15. Ibid.
16. Ibid.
17. Based on Frontier Group analysis of CMS Nursing Home COVID-19 data.
18. Ibid.
19. Ibid.
20. Interview, January 2021.
21. Ibid.
22. Ibid.
23. <https://agsjournals.onlinelibrary.wiley.com/doi/epdf/10.1111/jgs.16787>
24. Harvard report: "Nursing homes face staff, equipment shortages during pandemic," <https://www.hsph.harvard.edu/news/hsph-in-the-news/nursing-homes-face-staff-equipment-shortages-during-pandemic/>
25. <https://medicareadvocacy.org/studies-find-higher-nurse-staffing-levels-in-nursing-facilities-are-correlated-with-better-containment-of-covid-19/>
26. Consumer Voice study, Jan. 2021, https://theconsumervoice.org/uploads/files/issues/Devasting_Effect_of_Lockdowns_on_Residents_of_LTC_Facilities.pdf
27. Interview, January 2021.
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