North Carolina’s Certificate-of-Need Program: Three Numbers Everyone Should Know about CON Laws

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In North Carolina, healthcare providers who wish to open or expand facilities must first obtain a certificate of need (CON). They can acquire this only if they can prove to the satisfaction of the North Carolina Department of Health and Human Services that their community needs the service in question. The purpose of CON regulation is to limit spending by discouraging providers from acquiring unnecessary medical equipment. Unfortunately, in practice, the rules appear to protect incumbent providers from competition more than they protect patients from harm or payers from unnecessary costs.

In this brief, I review the economic evidence on the effects of CON laws and highlight some important statistics that North Carolina legislators should know when discussing CON law reforms. I have identified 93 peer-reviewed papers assessing the effects of CON laws on cost, access, quality, and other market conditions. These papers compare outcomes in CON states with those in non-CON states. They also track outcomes over time to see what happens in states that repeal their CON laws or pare those laws back. These studies typically span years, if not decades, and they employ regression analyses that control for possibly confounding factors such as local economic, demographic, and health conditions. Although my colleagues and I have conducted several peer-reviewed studies, most of the 93 papers are not authored by us.

Three numbers from the research on CON laws are of paramount importance:

1. Zero. CON regulation was initially intended to rein in healthcare spending, and many people continue to support the regulation out of a belief that it reduces spending. It does not. Of the 31 papers assessing the effects of CON regulation on spending, 0 find clear evidence that
it limits spending.\textsuperscript{2} In fact, about 60 percent of the studies that have assessed the effects of CON laws on spending find that the regulations are associated with more spending (per service or per patient), whereas the remaining studies obtain mixed or inconclusive results.\textsuperscript{3}

For example, one study finds that reimbursement costs for coronary artery bypass grafts fell 2.8 percent in Ohio and 8.8 percent in Pennsylvania following repeal.\textsuperscript{4} Another finds that hospital charges are 5.5 percent lower five years after repeal.\textsuperscript{5} Medicare reimbursements for total knee arthroplasty are 5 percent to 10 percent lower in non-CON states than in CON states.\textsuperscript{6} Spinal surgery reimbursements have fallen faster in non-CON states (about 11 percent per year) than in CON states.\textsuperscript{7} Medicaid community-based care expenditures per capita are lower in non-CON states than in CON states.\textsuperscript{8} Hospital expenditures per adjusted admission are lower in non-CON states than in CON states.\textsuperscript{9} And states that eliminate CON experience a 5 percent reduction in real per capita healthcare spending.\textsuperscript{10}

According to some of the studies that find negligible effects, CON laws appear to have no effect on Medicaid nursing home reimbursement rates.\textsuperscript{11} Nor do they seem to affect per diem Medicaid nursing home charges or per diem Medicaid long-term care charges.\textsuperscript{12}

2. \textit{Seventy-four percent}. By far, the most-studied aspect of CON laws is their effect on access to care. Most analyses—74 percent—show that CON laws limit patient access to care.

The typical patient in a CON-law state has access to fewer hospitals,\textsuperscript{13} hospice care facilities,\textsuperscript{14} dialysis clinics,\textsuperscript{15} cancer treatment facilities,\textsuperscript{16} home health agencies,\textsuperscript{17} psychiatric care facilities,\textsuperscript{18} drug and substance abuse centers,\textsuperscript{19} open-heart surgery programs,\textsuperscript{20} revascularization programs,\textsuperscript{21} and percutaneous coronary intervention programs.\textsuperscript{22} Patients in these states have access to fewer hospital beds and are more likely to have been denied a bed during the COVID-19 pandemic.\textsuperscript{23} These patients have access to fewer medical imaging devices.\textsuperscript{24} Patients in states with CON laws must travel longer distances for care,\textsuperscript{25} are more likely to leave their state for care,\textsuperscript{26} and must wait longer for care.\textsuperscript{27} And whereas CON programs do not seem to increase charity care,\textsuperscript{28} they do exacerbate Black-White disparities in the provision of care.\textsuperscript{29}

3. \textit{Four times}. Although the CON approval process does not typically involve an assessment of provider quality, advocates of the regulation often claim that it enhances quality. In most cases, this does not seem to be so. Four times as many studies find that CON laws undermine quality than find that they enhance quality.

Compared with patients in non-CON states, patients in CON states experience higher mortality rates following heart attack, heart failure, and pneumonia.\textsuperscript{30} They have higher readmission rates,\textsuperscript{31} are more likely to die from postsurgery complications,\textsuperscript{32} and are less likely to give their hospitals top ratings.\textsuperscript{33} Nursing homes tend to get lower survey scores in CON states than in non-CON states,\textsuperscript{34} and nursing home patients are more likely to be restrained in CON states than in non-CON states.\textsuperscript{35} Home health agencies also receive lower scores in CON states than in non-CON states,\textsuperscript{36} and home health agency clients are
less likely to see improvements in mobility. Finally, surgeries are more likely to be performed by lower-quality surgeons in CON states than in non-CON states.

Four in ten Americans live in states with either no CON laws or very limited CON laws in healthcare (as I write, this number is growing because recent reforms in Florida and Montana are now taking effect). In these states, providers may open new facilities or expand their services without first proving to a regulator that their community needs the service in question. These non-CON states include high- and low-income, urban and rural, and coastal and intracontinental communities. Policymakers in North Carolina can learn from the experience of patients in these states to see how CON laws affect spending, access, and quality of care.

Hospital executives and policymakers often worry about what would happen in their state if their CON laws were repealed. They need not worry. And they need not speculate. They can look to the experiences of Americans in non-CON states to see what is likely to happen. These experiences, documented in dozens of careful studies, strongly suggest that patients in a state like North Carolina would gain greater access to higher-quality and lower-cost care if CON laws were to be eliminated.

ABOUT THE AUTHOR
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NOTES
1. In a forthcoming review of the literature, I intend to add more categories and more papers that look at the effects of CON laws on other factors such as hospital profitability and volume of care within hospitals.
3. It is helpful to consider spending in two ways: spending per service and total spending. Two factors tend to cause a supply restriction to increase spending per service. First, compared with unrestrained supply, restrained supply tends to intersect demand at a higher price per quantity. Second, in limiting competition, a supply restriction will give suppliers more pricing power and less cost-cutting discipline, further increasing spending per service. At the same time, a supply restriction may either increase or decrease total spending, because the restriction will tend to decrease the quantity of services received while it increases spending per service. Total spending may go up or down, depending on whether the quantity-reducing effect or spending-per-service effect dominates. The data suggest that the spending-per-service effect dominates.


22. Ho et al., “Cardiac Certificate of Need Regulations.”


32. Stratmann and Wille, “Certificate of Need Laws and Hospital Quality.”

33. Stratmann and Wille.


