inability to invest in needed clinical or technological infrastructure or staff shortages. On the other hand, the star rating component measures may be affected by community factors such as poor public transportation or limited social support services through causal pathways other than hospital quality. More exploration of why hospitals in stressed cities are found to have lower star ratings is essential.

We were only able to analyze the 150 cities in the stress ranking list and could not separate parts of large cities such as New York City, and thus we view our findings as a lower-bound of the estimate of the strength of the association. Future analyses could link star ratings to characteristics of communities within cities when hospitals have distinctly defined service areas.

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Published Online: November 28, 2016. doi:10.1001/jamainternmed.2016.7068

Author Contributions: Dr Hu had full access to all of the data in the study and takes responsibility for the integrity of the data and the accuracy of the data analysis. Concept and design; acquisition, analysis, or interpretation of data; drafting of the manuscript; critical revision of the manuscript for important intellectual content; administrative, technical, or material support: Both authors. Statistical analysis: Hu.

Conflict of Interest Disclosures: None reported.


LESS IS MORE
Avoiding Hospitalizations From Nursing Homes For Potentially Burdensome Care: Results of a Qualitative Study

Nursing home residents are often hospitalized for care that has the potential to be burdensome, in the sense that the risks outweigh the expected benefits. These hospitalizations offer little hope of improving quality of life or changing the course of illness and usually involve residents close to death who are vulnerable to iatrogenic harms. Certain facilities are more successful than others at preventing potentially burdensome hospitalizations. The reasons for their success, however, are poorly understood. We sought to explore the causes of these transfers and identify practices that help facilities avoid them.

Methods | We conducted a qualitative study involving Connecticut nursing homes with hospitalization rates in the top or bottom 10% from 2008 to 2010. We identified facilities using publicly available data (http://www.ltcfocus.org) and conducted in-depth, semistructured interviews with key staff members, using a standard interview guide, until theoretical saturation was reached; this occurred after the eighth facility visit and 31 interviews. Transcripts were analyzed according to the principles of grounded theory, using the constant comparative method.

<table>
<thead>
<tr>
<th>Table 1. Shared Barriers to Reducing Potentially Burdensome Hospitalizations</th>
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<td>Theme</td>
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<td>Families’ beliefs about the hospital and nursing home</td>
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<td>Guilt pushes families to “do everything,” which includes hospitalization</td>
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<td>The nursing home’s dual custodial and medical identity leads to the belief that it provides inferior care</td>
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<td>Nursing home structure and organization</td>
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<td>Staff face difficult decisions in relative isolation</td>
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Letters

Table 2. Different Approaches at Low- and High-Hospitalizing Facilities

<table>
<thead>
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<th>Low-Hospitalizing Facilities</th>
<th>High-Hospitalizing Facilities</th>
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<td><strong>Case-by-Case Decision-Making vs a Default Pathway</strong></td>
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<td>They see the hospitalization as, “Well, if there's one last glimmer, if there's one last thing.” One of the things we talk to them about is, when you get to this end stage—because for many of our people it is the end stage—what's your goal? Is your goal treatment? Is your goal treatment with comfort? If your goal is comfort, then being treated in place is more likely to achieve that. (Social worker)</td>
<td>The policy here is that if we can treat them here then we will, but every time somebody is changed clinically—like they're sick—most of the nurses just call the doctor and tell them they're sick. Of course, the doctor doesn't really see the patient. The doctor will just say: “Okay, send them out.” (Nurse)</td>
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<td>I try to put whatever is going on with them in the context of the comorbid conditions they have and get from the family what they would expect or what they would want to happen at the hospital... I try to say out loud: “Does this make sense?” (Nurse practitioner)</td>
<td>When you have a patient who has a change of condition in a facility, if you ever really question if the patient should be in the hospital, you should do that—you should send the patient to the hospital if you question that. (Physician)</td>
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<td><strong>Trying to Change Families' Minds vs Deferring to Their Decisions</strong></td>
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<td>The nurses will talk to [families], the social worker will talk to them, we’ll have meetings... If we can’t convince them—and we’re not trying to convince anybody to die, but we want to make them comfortable and really look realistically at the picture—we’ll often ask the APN or the doctor to talk with them....We’re not trying to kill everybody. I don’t want you to think we’re trying to kill everybody. We just feel like it’s the most comfortable for them. (Administrator)</td>
<td>It’s a tricky dynamic as far as treating, sending, keeping, but overall I think the patient and the patient’s family drive the decision-making. I give them all the options.....I don’t think I have a huge influence on changing [their minds]. I think that has to happen within the family. (Nurse practitioner)</td>
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<td>We’ve worked as hard as we can to educate [families] and I wouldn’t say influence them, but if we do genuinely feel like it’s not in their best interest, we’ll work really hard to discourage someone who is making a bad decision. (Administrator)</td>
<td>Even if I think that the patient is at a point where there’s not going to be much that they can do...I always end [the conversation] with: “But in the end it’s your decision what you want to do.” It’s not my decision. Everyone has to make their own decision. (Physician assistant)</td>
</tr>
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Results | Interviews occurred at 4 high-hospitalizing and 4 low-hospitalizing facilities and involved directors of nursing (8), facility administrators (7), social workers (6), physicians (2), advanced practice clinicians (5), and other staff (3).

Participants at all facilities recognized that residents were hospitalized for potentially burdensome care and identified a common set of barriers that made it difficult to avoid such transfers (Table 1). There were key differences in how staff at low- and high-hospitalizing facilities approached decisions about hospitalization. Participants at high-hospitalizing facilities described an algorithmic process and tended to leave complex choices about hospitalization to families. Those at low-hospitalizing facilities emphasized their involvement in case-by-case decision-making and were willing to disagree with family members and attempt to change their minds (Table 2).

Discussion | Participants in this qualitative study of nursing homes with high and low hospitalization rates encountered similar barriers to avoiding potentially burdensome hospitalizations. Staff at low-hospitalizing facilities, however, described a conviction that certain patients should not be hospitalized and felt a responsibility to help patients and families reach the same conclusion. They avoided decision-making algorithms and followed the “enhanced autonomy” model recommended by experts, in which medical personnel do not remain neutral but explore disagreements with patients in an “intense exchange of medical information, values, and experiences.” They acknowledged how hard this was to do.

Our findings suggest that, to reduce potentially burdensome transfers, staff at less successful facilities will need to be encouraged to adopt similar attitudes and practices. How best to accomplish this kind of institutional culture change is unclear. The prevailing approach at the Centers for Medicare and Medicaid Services involves payment reform, but there is only modest evidence to suggest that financial incentives will change clinician behavior in the nursing home or improve facility quality. Another strategy, taken by the Interventions to Reduce Acute Care Transfers (INTERACT) program, involves providing written materials to patients and clinicians, but facilities using INTERACT have had limited success in reducing hospitalizations for potentially burdensome care. While our study adds key information about the behaviors that help nursing homes avoid such transfers, research is needed to understand how to promote these behaviors more broadly.

Our work has several limitations. We performed interviews in Connecticut, which has a high number of nursing home beds per capita. We interviewed an advanced practice clinician at every facility but only a few physicians, who were on-site irregularly.

In summary, there were key differences in behavior toward potentially burdensome hospitalizations at nursing homes with high and low hospitalization rates. Work should focus on developing ways to encourage less successful facilities to adopt practices found at more successful ones.

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Published Online: November 28, 2016. doi:10.1001/jamaiternalmed.2016.7128

Author Contributions: Dr Cohen had full access to all the data in the study and takes responsibility for the integrity of the data and the accuracy of the data analysis.

Conflict of Interest Disclosures: None reported.

Funding/Support: Dr Cohen was supported by a training grant from the National Institute on Aging (T32AG1934) and by the Hartford Centers of Excellence National Program at Yale University.
Sex Bias—Beyond Pay Inequity

To the Editor: The Original Investigation by Jena and colleagues1 concerning sex differences in physician salaries published in a recent issue of JAMA Internal Medicine is objective documentation of the ongoing sex bias in academic medicine. In a survey of National Institutes of Health career development awardees, Jagis and colleagues2 reported that almost one-third of women report sexual harassment and almost two-thirds of women report sex bias in professional advancement. These analyses document, with promises of confidentiality, the outcomes and places of sex bias. However, we need to move beyond the reporting of statistics to share the emotional stresses and the subsequent loss of women’s aspirations for influential leadership, which either fade or are obstructed. More than ever, we need transformative leaders of both sexes to meet the challenges of health care.

Among all academic medical centers, there is absolutely no dearth of appointed diversity leaders, training modules, and goals to decrease sex biases. There are mission statements that establish the purpose to transform the academic culture to be more inclusive and diverse. Women faculty leadership forums often host seminars on how to negotiate for salary equity and how to manage conflict. However, if we accept the recent publications in JAMA Internal Medicine3 and JAMA2 as evaluations of the success of these programs, we must conclude our current efforts are not effective. Change will not occur with more diversity goals or only women “leaning in.” We must work collectively across both sexes to sensitize and personalize the effects of such continued biases. Men should reflect on their behaviors and recognize in themselves the biases they may harbor.

Collectively, male leaders need to transform their behaviors so that women will have optimal opportunities to share their gifts for the betterment of health care. The necessary change will begin when all men start owning their role in the change we aspire to see in the world. I am grateful for male colleagues who encouraged me in my early career, who mentored me and were instrumental in my career development, and who supported me to openly challenge and contribute to clinical research. These men and other men with similar values and integrity must serve as role models and mentors for the next generation of male leaders in our mission of creating a culture where all sexes and genders contribute and thrive.

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Conflict of Interest Disclosures: None reported.

Editorial Note: This letter was shown to the corresponding author of the original article, who declined to reply on behalf of the authors.


A Perspective on Out-of-Pocket Spending

To the Editor: Understanding out-of-pocket spending is critical to understanding health care costs in the United States. We applaud the efforts of Adrion et al2 as an important contribution to understanding the out-of-pocket spending of the commercially insured population younger than 65 years. The commercially insured comprise over 50% of the nonelderly US population and, as demonstrated by Adrion et al, out-of-pocket spending on inpatient services can be substantial.2

Over the past 4 years, the Health Care Cost Institute’s (HCCI) trend reporting (covering the years 2008-2014) for the employer-sponsored insurance population have provided a unique perspective into the commercially insured population. In reiterating the importance of out-of-pocket costs research, we think about the broader context of health care cost trends within which the findings of Adrion and colleagues2 can be better understood.

First, Adrion and colleagues2 found a 37% increase in total cost sharing per inpatient hospitalization between 2009 and 2013. In our reports, we found a similar increase in out-of-pocket spending on hospitalizations.3 However, also consistent with Adrion et al, over the same time period, there was approximately a 10% drop in hospitalizations. This likely indicates a shift in where people receive care. Additional analyses accounting for more locations where patients receive care are important to understanding the complete out-of-pocket cost burden. Moreover, understanding how out-of-pocket costs in outpatient facilities changed over the same period is important to understanding how other health care providers respond to changes.

Second, an analysis of only inpatient facility claims excludes separately billed services, such as some physician services. These fees may produce substantial out-of-pocket bills.