Barriers and Facilitators to Expanding Roles of Medical Assistants in Patient-Centered Medical Homes (PCMHs)

Jeanne M. Ferrante, MD, MPH, Eric K. Shaw, PhD, Jennifer E. Bayly, BS, Jenna Howard, PhD, M. Nell Quest, PhD, Elizabeth C. Clark, MD, MPH, and Connie Pascal, MS

Background: Many primary care practices participating in patient-centered medical home (PCMH) transformation initiatives are expanding the work roles of their medical assistants (MAs). Little is known about attitudes of MAs or barriers and facilitators to these role changes.

Methods: Secondary data analysis of qualitative cross-case comparison study of 15 New Jersey primary care practices participating in a PCMH project during 2012 to 2013. Observation field notes and in-depth and key informant interviews (with physicians, office managers, staff and care coordinators) were iteratively analyzed using grounded theory.

Results: MA roles and responsibilities changed from a mostly reactive role, completing tasks dependent on physician orders during the patient visit and facilitating patient flow through the office, to a more proactive one, conducting previsit planning, engaging in the overall care for patients, and assisting with population management. MAs differed in their attitudes about increased responsibilities, with some welcoming the opportunity to take on expanded roles, others resenting their increased responsibilities, and some expressing insufficient understanding regarding why new tasks and procedures were being implemented. Major barriers to MA role shifts included 1) insufficient understanding of the PCMH concept, 2) lack of time for added responsibilities, 3) additional workload without additional compensation, 4) disparate levels of medical knowledge and training, 5) reluctance of clinicians to delegate tasks, 6) uncertainty in making new workflow changes routine, 7) staff turnover, and 8) change fatigue. MAs were more positive about their role shifts when they 1) understood how their responsibilities fit within broader PCMH practice transformation goals; 2) received formal training in new tasks; 3) had detailed protocols and standing orders; 4) initiated role changes with small, achievable goals; 5) had open communication with clinicians and practice leaders; and 5) received additional compensation or paths to career advancement.

Conclusions: Practice leaders need to be conscious of obstacles when they increase expectations of MAs, and they must be willing to invest time and resources into developing their MA workforce. An environment that allows open dialog with MAs and rewards and compensation that recognizes their increased efforts will help make expansion of MA roles occur more smoothly and efficiently. (J Am Board Fam Med 2018;31:226–235.)

Keywords: Grounded Theory, New Jersey, Patient-Centered Care, Primary Health Care

Patient-centered medical home (PCMH) transformation initiatives are widespread, and many programs are expanding the roles of medical assistants (MAs) to implement team-based care and add capacity in primary-care practices.1 For example, MAs are tasked to screen patients for risky behav-
Adherence. These innovative MA roles have been reported across diverse settings, including private practices, community health centers, academic primary-care practices, rural practices, and large health care systems. Outcomes in studies that have focused on or included MA role expansion or innovation have varied. Some pilot programs have found improvements in cancer screenings, cholesterol levels, diabetes control, medication adherence, physical activity levels and body mass index. However, Ferrer and colleagues found that there was poor adoption of MA health coaching, and several randomized trials testing the effects of MA diabetes health coaches found no significant differences in hemoglobin A1C levels or hospitalizations between control and intervention group patients. There is currently a limited understanding as to why there was success in some studies and not others.

The majority of published research on this topic has described expansion of MA roles for specific disease-oriented programs, such as health coaching for patients with diabetes. To our knowledge, only 3 studies have specifically evaluated MAs’ expanding roles in the broader context of primary-care transformation projects. Ladden et al described the changing roles and responsibilities of MAs in exemplar primary care practices that implemented workforce innovations, but they did not report any barriers to these changes. Cronholm et al and Naughton et al described several challenges to expanding roles of MAs, such as MA resentment regarding lack of extra pay for their extra work, MAs not understanding the PCMH concept, and physicians’ concerns about lack of MA training and skills. Naughton et al also reported reluctance of providers in delegating tasks to MAs and sustainability challenges, as well as some strategies used to overcome these barriers. Both the Cronholm and Naughton studies evaluated early transformation processes of a Pennsylvania multipayer Chronic Care Initiative program that started in 2008, and they conducted interviews with clinicians, staff, and administrators 2 to 4 years after program implementation. Therefore, subjects’ responses may have been affected by recall bias. Little is known about MAs’ own perspectives regarding their new and changing roles in primary care. Having a clearer understanding of how MAs view and feel about new PCMH endeavors that affect their roles and relationships, can provide insights into an understudied area of PCMH transformation. The objectives of our research are to describe how the roles of MAs evolved as part of a PCMH transformation project in New Jersey, to report MAs’ attitudes regarding their new responsibilities, and to identify barriers and facilitators to the MA role changes.

**Methods**

**Setting and Sample**

This observational study is a secondary analysis of data collected from a qualitative cross-case comparison of 15 community primary-care practices in the NJ Primary Care Research Network that were participating in one of the first single-payer PCMH demonstration projects in New Jersey during 2012 to 2013. All practices attained at least Level 1 PCMH recognition from the National Committee for Quality Assurance before participation. The 15 sites represented a purposive diverse sample (in size, location, and patient population) out of 31 total primary care practice sites participating in the payer’s second wave of the PCMH program. All 15 practices were located in New Jersey, privately owned, and consisted of 1 to 8 physicians (average, 5). By participating in the project, practices received the following: 1) Educational tools (play-
The purpose of the parent study was to perform an independent qualitative evaluation of the PCMH demonstration project. Our goal was to provide real-time insights into the PCMH transformation process of the participating primary-care practices and to assess the usefulness of the project’s intervention strategies. Our research team consisted of 2 family physician researchers (JF, EC), 2 sociologists (JH, ES), a cultural anthropologist (NQ), and a communication and information specialist (CP). None of the research team members worked at the practices. Three researchers collected data (JH, CP, NQ); each assessed 4 to 6 practices. Data were collected at each practice site during the first few months of program implementation and 1 year later, and included direct observations over approximately 4 days at each practice site captured in fieldnotes; in-depth, recorded and professionally transcribed semistructured in-person interviews with each practice’s office manager, medical director, and PCC; and key informant interviews with MAs, and other clinicians and office staff. The medical director for each practice signed consent for the practice to participate in the study. All semistructured interviews were voluntary, and a separate informed consent was obtained for each interview. All MAs in each practice were observed in their daily work (N = 58), and key informant interviews were conducted with 54 MAs (ranging from 2 to 8 per site). Two practices (under same ownership) did not use any MAs. In those practices, we included the lead physician’s perceptions regarding MAs in our findings. No compensation was provided to participants.

Observation templates and interview guides were developed using a review of the PCMH literature and our prior knowledge and experience with PCMH transformation efforts, and they were modified and refined as needed after initial observations. Study researchers, who conducted key informant interviews (with MAs and others) and observed practice activities, handwrote detailed fieldnotes including some verbatim quotes while at the practice site, and they later (typically the same day) typed up the complete fieldnote in a Word document. Approximately 1000 pages of deidentified observation fieldnotes and transcriptions were imported into Atlas.ti (Atlas.ti Scientific Software Development GmbH, Berlin, Germany), a qualitative data management software program, for coding and analysis.

Analysis

For the parent study, we analyzed data iteratively using a grounded theory approach that consisted of a series of immersion/crystallization cycles. Initially, the research team met on a weekly basis to review the data, reading and coding jointly line by line to define preliminary codes and agree on emerging topics. This same consensus process was used to refine and finalize the preliminary codebook as new data were available. Individual team members subsequently coded data independently, with at least 2 members coding all data. Coding discrepancies were reviewed at team meetings and resolved through consensus. Data within codes were read and analyzed in a second immersion/crystallization cycle, and emerging themes and interpretations were identified. A third immersion/crystallization cycle was used to refine themes and interpretations and identify negative or disconfirming evidence for our themes. During this process, the changing roles of MAs emerged as a theme. For this article, we conducted a secondary analysis wherein we reread and analyzed all data referencing MAs. We used an immersion/crystallization cycle in which coded data segments related to MAs were reread to identify themes and patterns among the fieldnotes and interviews. At this stage, themes emerged regarding the role of MAs, the barriers encountered, and strategies used to expand their roles. As is common with qualitative analysis, we compared and contrasted each fieldnote/interview with our emergent themes. If data from an observation or interview did not fit into an existing theme, this prompted the development of an additional theme. As our themes continued to crystallize by finding additional evidence from participants across the practices, we
gained greater insights into thematic commonalities and variations. We also explored and report here those instances where there was little evidence of a particular theme across all practices, but were reported by different members (MAs, nurses, office managers, or clinicians) of a few practices. Doing so provides information that may be helpful for other practices and valuable for future research. The quotations included below represent and illustrate our key findings.

Results

Data from the first few months of program implementation revealed the many barriers and negative attitudes encountered when practices tried to expand roles of the MAs. By 1 year later, most practices had largely overcome these barriers by using the strategies outlined in the Recommendations section below.

Changes in MA Activities

MA roles and responsibilities changed over the course of this study in all practices, but not in the same way or extent. All MAs reported that before participating in the PCMH demonstration project, their main responsibilities included facilitating patient flow, taking patients from the waiting room to the examination room, and helping them exit the office. In addition, before the PCMH project, MAs mostly worked reactively, evidenced by their descriptions of tasks that were dependent on what the physician ordered during each patient visit. With participation in the PCMH demonstration project, MA roles changed in a variety of ways (see Table 1). Some became more proactive and engaged in the overall care for patients in the office, as well as assisting with population management of patients not scheduled for office visits. For example, after PCMH implementation, some MAs began conducting more thorough patient intakes, such as obtaining family and social histories, reconciling chronic problems lists, document cancer screenings, obtaining family and social histories, reconcile medications and chronic problems lists, document cancer screenings, pre-visit planning (chart reviews, huddles), carry out standing orders and protocols (give immunizations, provide mammogram orders/lab forms, refill routine medications), proactively hand out patient education materials (eg, smoking cessation), conduct patient education using motivational interviewing (eg, weight, diabetes), organize/conduct patient awareness campaigns to address preventive care, eg, through telephone calls, wearing buttons on shirts, mailings, gather documentation of preventive services, other metrics, consultations, and hospitalization reports prior to patient visit, track, manage and enter data into electronic medical record/other data management tools, assist with risk stratification of patients.

Table 1. Changes in Medical Assistant Tasks Implemented during PCMH Demonstration Project

<table>
<thead>
<tr>
<th>Before PCMH Project</th>
<th>After PCMH Project Implementation</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Facilitation of patient flow through office)</td>
<td>(Patient care/population management)</td>
</tr>
<tr>
<td>Call and escort patients to examination room</td>
<td>Obtain family and social histories, reconcile medications and</td>
</tr>
<tr>
<td>Take and record vital signs and chief complaint</td>
<td>chronic problems lists, document cancer screenings</td>
</tr>
<tr>
<td>Give injections, draw blood, perform EKGs or other procedures per physician order during patient visit</td>
<td>Pre-visit planning (chart reviews, huddles)</td>
</tr>
<tr>
<td>Give out patient education handouts per physician request during patient visit</td>
<td>Carry out standing orders and protocols (give immunizations, provide mammogram orders/lab forms, refill routine medications)</td>
</tr>
<tr>
<td>Call for results as per physician request during patient visit</td>
<td>Proactively hand out patient education materials (eg, smoking cessation)</td>
</tr>
<tr>
<td>Give reports that come into office to physicians</td>
<td>Conduct patient education using motivational interviewing (eg, weight, diabetes)</td>
</tr>
<tr>
<td>File charts</td>
<td>Organize/conduct patient awareness campaigns to address preventive care, eg, through telephone calls, wearing buttons on shirts, mailings</td>
</tr>
<tr>
<td></td>
<td>Track, manage and enter data into electronic medical record/other data management tools</td>
</tr>
<tr>
<td></td>
<td>Assist with risk stratification of patients</td>
</tr>
</tbody>
</table>

EKG, electrocardiography; PCMH, patient-centered medical home.

We found varying MA attitudes in the different practices regarding their expanded roles. Some welcomed the opportunity to be more engaged. As 1 MA described her role to the study researcher:

MA Attitudes Regarding their Changing Roles

We found varying MA attitudes in the different practices regarding their expanded roles. Some welcomed the opportunity to be more engaged. As 1 MA described her role to the study researcher:
She (MA) is now responsible for collecting more data from the patients and that makes her feel more accomplished as a MA...[however], “we (MAs) never go into rooms with the doctors...If we could work with the doctors more that would make our jobs more interesting... a more team approach would be good...maybe the doctors could use us more.” She adds that not all the doctors are on the same page with what the MAs should be doing, and it would be good if they could all get on the same page because, “we’d like to do more.” (fieldnote, Practice 11)

Similarly, another MA voiced her satisfaction with doing more in the office:

She (MA) likes feeling that she is making the doctors’ jobs a little easier. She admitted that she felt her role as MA was somewhat underused in the past. She said she has worked here for 14 years, and she knew she was capable of doing more than they had her doing. (fieldnote, Practice 10)

Another MA commented to the researcher that she enjoyed learning more about clinical conditions:

[MA] mentions how much she likes [PCC] and how [PCC] is always giving them interesting little things to read- “she has cool stuff, interesting stuff to learn, like the info on body mass index and the WebMD stuff on diabetes.” (fieldnote, Practice 9)

Conversely, other MAs resented the increased responsibilities and felt stressed by time constraints.

I (researcher) asked how [MA] feels about all the changes to her job lately. She lowered her voice and said, “It is just that there’s so much to do in so little time. It is a lot for 1 person.”; She said it is especially hard when patients are difficult. “Sometimes they get nasty when we ask them all these questions.” (fieldnote, Practice 10)

MAs in some practices had limited understanding of the PCMH concept and how their tasks assisted with population care management. For example, the study researcher described:

In cases where office staff members were involved in the entering of data, they often came to understand the [PCMH] project as being only about data entry. One MA expressed this attitude quite succinctly when she said of the project, “It is all about documentation, not transformation.” (fieldnote, Practice 5)

Some MAs expressed a cynical viewpoint of the PCMH as noted by a researcher:

[MA] has been with the practice for 6 years. Her understanding of the PCMH idea is that the “patients come into the doctor’s office so the insurance company can save money on hospitalization. It is about the money factor - the less they go into the hospital, the reimbursement is bigger.” (fieldnote, Practice 15)

Below, we describe barriers at the MA and physician/office levels that contributed to cynicism and resentment of MAs regarding their extra responsibilities, as well as facilitators of more positive attitudes in MAs.

### Barriers to MA Role Changes

#### MA Barriers to Role Shifts

Our evidence points to several barriers specific to MAs, including insufficient understanding of the PCMH concept, concerns about lack of time for increased responsibilities, additional workload without additional pay, and lack of medical knowledge. Table 2 includes sample quotations exemplifying these barriers.

In some practices, MAs stated they had insufficient communication from practice leaders about the PCMH concept, so they tended to view all their new responsibilities as busywork, and they did not understand the philosophy of PCMH. In addition, many MAs made comments about having to multitask and felt they lacked time for all these added responsibilities. Some noted they could no longer organize their work in the patient flow structure as previously done, and more flexibility during their work day was needed. In addition, some MAs expressed they were doing a nurse’s job without being paid as one. Finally, MAs had disparate levels of experience and training, with certification courses having lasted anywhere from 6 weeks to a year or more. Several MAs required extensive on-the-job training to increase clinical knowledge. In some instances, a lack of MA experience or knowledge was perceived to impact practice functions and achievement of PCMH goals.
Change fatigue The MAs worked so hard last summer—they busted their butts pulling charts. Now, that’s all over, but then it was this iPad Depression screening project that had a 27-page manual for them to read, and then [this PCMH project] came in—so it’s just been a lot. (Clinical supervisor, Practice 9)

Practice Barriers to MA Role Shifts

Our findings also pointed to barriers that were outside of how the MAs viewed their role shifts, but were related to practice leaders/clinicians or the practice as a system (see Table 2). In some practices, clinicians were reluctant to delegate tasks to the MA, for example, performing preventive counseling. While some physicians provided MAs with substantial room to follow standing orders and protocols without much oversight, other evidence suggested that some clinicians did not trust the MAs to recognize their boundaries and had concerns about

<table>
<thead>
<tr>
<th>Barriers</th>
<th>Sample Quotations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insufficient MA understanding of the PCMH concept</td>
<td>I (researcher) asked if there is ever conversation between her (MA) and the doctors about the [PCMH program]. She said no...she talks about it more in this practice. She feels that the MAs understand their new tasks, but she doesn’t feel that they understand the “PCMH or any of the pilots.” Her understanding of the concept of the PCMH is “to have the patient feel comfortable and confident that we will take care of all their medical needs.” (fieldnote, Practice 10)</td>
</tr>
<tr>
<td>Lack of time for added responsibilities</td>
<td>[The MA] gets concerned sometimes when more tasks are added “because more responsibility means that it takes longer.” She said that when 4 clinicians are working and there’s only one MA rooming, it can get very stressful. (fieldnote, Practice 15)</td>
</tr>
<tr>
<td>Additional workload without additional pay</td>
<td>[The PCC] has heard that there has been some turnover and there is good amount of frustration within the ranks of the MAs. Apparently they haven’t had raises in 3 years and the demands of the job are increasing—they are citing this kind of work as an example of something that is adding to their workload. (fieldnote, Practice 9)</td>
</tr>
<tr>
<td>Lack of MA knowledge or training</td>
<td>One thing [PCC] is frustrated by is that she feels for the most part, the MAs are just “memorizing tasks and not really thinking.” She (PCC) has been surprised by the low level of clinical knowledge that the MAs have. For instance, she said that one MA asked her if a high PT/INR meant that it is thick or thin. [The PCC] said that when she was talking to MAs about the metrics, one of them said, “Good luck getting patients to get a colonoscopy,” and someone else said (regarding colonoscopy), “What? Does [insurance company] want patients to live forever?” (fieldnote, Practice 10)</td>
</tr>
<tr>
<td>Reluctance to delegate tasks to MA</td>
<td>[A nurse practitioner commented that] the MA shouldn’t be allowed to do the patient’s health maintenance (ie, fill the standing orders that the health maintenance screen says the patient needs). “They just see it as a checklist and they treat it that way. It’s not a checklist!” She explains that if a patient has not gotten a test or followed up on something they’ve been told to follow up on, then just re-ordering probably isn’t going to help. She said that health maintenance “should be a conversation.” (fieldnote, Practice 4)</td>
</tr>
<tr>
<td>Uncertainty on how to make workflow changes more routine</td>
<td>[Handing out smoking cessation handouts] was not part of the routine initially; it was new and it wasn’t getting done all the time. [The health plan] was good at telling us what they wanted us to do, but not really how to do it. You know, they wanted these metrics, they wanted these reports, they wanted...but there wasn’t a lot of help. We were trying to figure it out ourselves. (physician interview, Practice 1)</td>
</tr>
<tr>
<td>Staff turnover</td>
<td>One office manager described this as bittersweet. An MA of eight years who had trained in the practice since her internship had gradually been entrusted with increased responsibilities, developed skills, and become a practice leader. Based on the competencies the practice had nurtured in her, she was able to secure a new position at the local hospital that included higher compensation and tuition support for her nursing program. (fieldnote, Practice 6)</td>
</tr>
<tr>
<td>Change fatigue</td>
<td>The MAs worked so hard last summer—they busted their butts pulling charts. Now, that’s all over, but then it was this iPad Depression screening project that had a 27-page manual for them to read, and then [this PCMH project] came in—so it’s just been a lot. (Clinical supervisor, Practice 9)</td>
</tr>
</tbody>
</table>

BMI, body mass index; MA, medical assistant; PCMH, patient-centered medical home; PCC, population care coordinator; PT/INR, prothrombin time/international normalized ratio.

**Table 2. Barriers to Medical Assistant Role Shifts**
the MAs’ knowledge base. There was also uncertainty expressed by some physicians in how to make the new MA tasks part of their normal routine, for example, handing out smoking-cessation materials to all smokers. In addition, many practices faced staffing challenges, which placed burdens on the other staff. On the one hand, some practices had to dismiss MAs who could not accept or handle these new changes, while high-functioning MAs left for higher-paying jobs or to pursue a formal nursing degree. Finally, many of the practices were involved in multiple pilot projects at the same time, so some MAs expressed a sense of “change fatigue.”

Table 3. Facilitators to MA Role Shifts

<table>
<thead>
<tr>
<th>Facilitators</th>
<th>Sample Quotations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explanation of how new MA responsibilities fit within the broader PCMH practice transformation goals</td>
<td>[The MA] reiterated that she thinks [Doctor], [Office Manager], and [Population Care Coordinator] do a really good job of explaining exactly what they want for the QI projects. She said the staff generally takes orders well, but that it’s easier when they understand and appreciate the goals of the project and get good instructions. She has a pretty robust understanding of PCMH, about care coordination, about the importance of patients getting the disease follow-up and preventive care that they need, and about why they collect so much data. (fieldnote, Practice 12)</td>
</tr>
<tr>
<td>Extra training</td>
<td>[The PCC] tells me that the MAs feel uncomfortable talking to a patient about the patient’s weight (or smoking) when they themselves (the MAs) are overweight and/or smoke... [She] is coaching the MAs on how to approach difficult topics with a patient... [The office manager] also has mentioned this coaching as one of the things she believes [PCC] excels in doing, and that she has noticed a difference in how the MAs are working with patients. (fieldnote, Practice 9)</td>
</tr>
<tr>
<td>Detailed protocols and standing orders</td>
<td>They have standing orders for chronic disease management as well, so, for example, they have standing orders for diabetic labs. They use a screening questionnaire before administering vaccines too. For diabetic retinal screenings, they have a form they use to get the eye doctor to send back the results. (fieldnote, Practice 13)</td>
</tr>
<tr>
<td>Open communication</td>
<td>The first way to make sure that staff buy-in happens is communication, communication, communication...we allow the staff to ask questions, or to question why we’re saying we should do things this way, because no one truly understands unless they see the big picture. So the staff doesn’t feel that this is what I do because I have to do it. Hopefully, they understand the process and the reason why they’re doing what they’re doing. (Office Manager interview, Practice 5)</td>
</tr>
<tr>
<td>Initial small and achievable goals</td>
<td>[The MA] said they had decided to start with the smaller goals first and after that to work on the bigger goals. Medication reconciliation was a small goal, whereas screenings will be a bigger goal. Another bigger goal is to have less patients running to the emergency room, which she says they can work on by encouraging better control and compliance. She gave the example of making sure CHF patients take their water pills every day by instructing them on the importance of doing this. (fieldnote, Practice 6)</td>
</tr>
<tr>
<td>Compensation for extra efforts</td>
<td>They have a new feedback system that goes along with the bonuses for doctors and staff, part of which [the lead physician] bases on their engagement with the PCMH and QI initiatives currently underway... Everybody accepts the system and understands why they are doing the projects that they are doing, and what role they each play in the overall plans. (fieldnote, Practice 12)</td>
</tr>
</tbody>
</table>

**Recommendations for Expanding MA Roles**

The following recommendations highlight strategies practices used to create more positive environments where MAs welcomed their new opportunities. Sample quotations regarding these facilitators are listed in Table 3.

1. **Explain how new MA responsibilities fit within the broader PCMH practice transformation goals:** Clarify that their roles are shifting from a patient flow structure, that is, getting this patient in front of me in and out of the practice, to assistance with population care management.

2. **Provide extra training:** Some practices had a nurse or nurse care coordinator who provided project specific training to MAs, for example, on how to counsel patients regarding unhealthy behaviors and how to better manage chronic conditions. Some MAs needed train-
ing on using technology and how to document and manage data. Stories about specific patients and data showing how process changes improved patient care and outcomes were very helpful for the MAs to understand the value of achieving clinical targets.

3. Create detailed protocols and standing orders. A manual with standardized protocols helped MAs know what was expected of them.

4. Provide open communication opportunities with clinicians and practice leaders. Having regular meetings with an environment where MAs felt safe to voice their opinions and concerns made them feel that they were involved in making decisions. In addition, to improve communication between physicians and MAs, several practices used the teamlet model, whereby an MA is consistently assigned to the same physician, as well as morning huddles to proactively prepare for the patient visit and set expectations of MAs.

5. Set achievable changes and small goals initially, for example, medication reconciliation and smoking status. This gave MAs confidence and a sense of accomplishment.

6. Provide rewards for extra efforts. Additional compensation or paths to career advancement helped MAs to welcome expanded responsibilities. For example, 1 MA was named the “Champion of Quality Measures” and another MA worked under the PCC to train new staff, perform patient outreach, and conduct office-wide previsit planning. In another practice, an MA became the data manager to ensure complete documentation and to create reports. One practice provided monetary bonuses to staff members as well as physicians.

Discussion
Because MAs are omnipresent in primary care, they are often the ones tasked with new responsibilities as part of PCMH transformation and practice improvement projects. To our knowledge, we are the first to describe mixed MA attitudes toward these changes. While some welcomed the opportunity to take on expanded roles, others did not understand the importance of these newly assigned tasks and resented the increased responsibilities, which contributed to high turnover. This is similar to a study conducted in the Veterans Administration system, which found that task delegation from primary care physicians to nurses resulted in more burnout in the nurses. Our study offers some insights into how to make role changes more favorably viewed by MAs.

It is important for practice leaders to be conscious of potential obstacles when increasing expectations of MAs. While we qualitatively studied a relatively small sample of 15 practices in New Jersey, we found similar barriers to MA role shifts reported by others in Pennsylvania and Ohio, including resistance to implementation due to practice culture, insufficient communication from practice leaders, lack of clinician trust in MAs’ competence due to their insufficient training, lack of MA engagement with the PCMH model, and MAs’ frustration with added workload without additional compensation.

To facilitate the transitioning of MAs into these expanded roles, it is paramount to develop a team-wide shared understanding of how new MA responsibilities contribute to practice transformation and to secure buy-in from staff and all clinicians. Our findings illustrate the importance of having open communication via regular meetings and establishing an environment where the MAs feel safe to voice concerns and be involved in decision making. In addition, steps need to be taken to improve the relationship and communication between physicians and MAs. Strategies previously suggested, and also used in our practices, include using a teamlet model (of the same clinician-MA dyad each day), which increases physician comfort level with expanded MA roles, and having morning huddles for collaborative previsit planning. Martinez et al described a “shareport” card that facilitates face-to-face meetings between physicians and MAs, providing opportunities to collaboratively develop a list of MA tasks and explore and solve problems.

Furthermore, to sustain changes to the MA role and retain MAs in practices, investments in time and resources are needed to develop the new MA workforce. This requires additional training and supervision to ensure MA tasks are within their scope of practice. The quality of MA education and training received varies widely, and no standard educational curriculum currently exists, especially for MAs to assume these new roles. Practices that succeeded in this regard had a motivated registered nurse who took it on herself to provide training to the MAs. Educating MA students in this new
PCMH model may help future MAs better integrate into team-based care while decreasing strenuous workloads for office staff. In addition, providing financial incentives or paths to career advancement for MAs can help to overcome reluctance on their part and increase MA retention. Finally, dissemination of lessons learned and strategies used are needed to enable other primary care practices to expand MA roles more smoothly and efficiently.

To see this article online, please go to: http://jabfm.org/content/31/2/226.full.

References
need much more than payment changes to transform. Health Aff (Millwood) 2012;31:2018–27.


