

'alue Added

CVCR Newsletter

Second Quarter 2021

Second Quarter News Welcome to this quarter's issue of Value Added!

The Center for Value-Based Care Research (CVCR) con-

delivery.

ducts novel research on interventions that improve value in healthcare. With a mission of making quality healthcare possible for all Americans by conducting research to identify value in healthcare, CVCR seeks to deliver the right care, at the right time, to the right patients, at lower costs. In this issue, we report on recent studies regarding healthcare

In our first story, internist and physician-scientist Dr. Jessica Hohman describes her study of encounter characteristics of Advanced Practice Clinicians in comparison to those of

Physicians in an adult population. In our second story, CVCR's investigator, Dr. Elizabeth Pfoh, describes her ongoing work as a KL2 scholar. Dr. Pfoh explains her overarching project and describes her planned

We hope you enjoy this quarter's updates! **CVCR CELEBRATIONS**

Jessica Hohman, MD

mand.

Why was this study conducted?

studies related to treating multimorbidity.

Oral Temperature of Noninfected Hospitalized Patients

Featured Publication

Speaker SL, Pfoh ER, Pappas MA, Hu B, Rothberg MB.

JAMA

May 2021

Dr. Elizabeth Pfoh was awarded the Excellence in Research Award at the Lerner College of

Medicine Class of 2021 Graduation Ceremony on May 15th. Congratulations!

Featured Study: Encounter Characteristics Among APCs and **Physicians**

This study was initially conducted to understand the implications of the changing workforce composition in health care. As the population ages and the number of primary care physicians fails

to keep up with demand, there has been a growing influx of advanced practice clinicians (APCs) in primary care. Given their shorter training and lower cost, APCs present an appealing way to address the inadequate supply of primary care physicians. Moreover, APCs' shorter and less resource intensive training makes it significantly easier to increase supply to meet patient de-

The growth of the APC workforce has raised ques-Comparing Encounter Characteristions about how APCs perform in day-to-day practice. tics Among Advanced Practice Clini-Although prior studies have suggested that care for cians and Physicians for Adult Same straight forward problems is similar, at least as meas--Day Visits in Primary and Urgent <u>Care</u> ured by utilization patterns and patient experience, little was known about how their practice differs for Jessica A. Hohman MD, MSc, MSc, care that is more complex and requires diagnostic Aditi Patel MD, Parth Parikh MD, acumen. Because nuance is hard to appreciate in Michael B. Rothberg MD, MPH

need to be explored.

Elizabeth Pfoh, PhD

having hypertension increases the risk of stroke.

can reduce the risk of other diseases.

morbidity to enable them to live healthier, longer lives.

Be sure to look out for publications related to this funded research in the near future!

Journal of General Internal Medicine

capture the complexity of decision-making. How has the COVID-19 pandemic impacted APCs? The pandemic has, in many ways, increased the visibility of APCs. Prior to the pandemic, APCs were able to practice with varying levels of independence. While some states allowed for APC independent practice, shortages in frontline providers—especially in the early months of the pandemic—prompted most states to relax supervision rules and allow APCs to practice independently. The pressure to make these changes permanent, has renewed debates around what defines a doctor, naming conventions, patient safety, and training. While independent practice could improve access, especially in underserved areas, questions remain as to whether APC training is adequate to meet the demands of increased scope of practice.

public use datasets or claims used in other work, our study provides a useful complement. Its real strength is that physicians manually reviewed 1200 charts to

Debates about scope of practice for APCs have too often been oversimplified into a false dichotomy between access and patient safety. Generally, prior studies have suggested that outcomes are more similar than different—the caveat though being that much of that work has been obser-

Does care by APCs and physicians produce similar outcomes?

vational, problem specific, and limited in size and outcomes measured. Our findings generally support many of these similarities—for example, both groups ordered the same number of tests and consults. But we also found that physicians more often see patients with problems requiring diagnostic acumen while APCs see more concerns amenable to algorithm-driven care. Moreover, our findings underscore the more nuanced ways that physicians add value—for instance, physicians were almost twice as likely to address an additional concern and 44% more likely to deprescribe an unnecessary medication. What findings would prompt further investigation? How could your findings impact clinical practice?

This study was cross-sectional and focused on same-day visits to both APCs and physicians, but there is also a need to more closely examine longitudinal differences in care and outcomes in a continuity setting. Given the debates about whether APCs should be able to practice independently, further studies are needed in both contexts. Finally, differences in diagnostic accuracy

Ongoing Work: Treating Multimorbidity

You can access this article here. Be sure to look out for more publications related to this topic in the future!

Aging is inevitable, and people contract more diseases as they age. Preventing or delaying disease is possible through primary prevention (e.g., vaccinations, adopting healthy eating habits, and exercising). Primary prevention of future diseases increases in importance as adults' age

because of the intragenic interactions that occur within our bodies as they cope with disease. In some instances, having one condition increases the likelihood of having another. For example,

Similarly, when a person has multimorbidity (i.e., two or more diseases), they are at greater risk

of acquiring additional conditions. Fifty percent of middle-aged adults and 81% of older adults have multimorbidity, and diseases can occur in predictable clusters. For example, a person who has depression is more likely to also have diabetes. Knowing which diseases a person is at risk for based on their current health status can allow targeted prevention. My KL2 project will focus on two diseases, depression and obesity. Approximately 2.8% or 9.1 million people in the United States have obesity and depression, and the prevalence of obesity is rising. Obesity and depression are among the top three causes of disability and are major risk

factors for premature death. They are also associated with metabolic syndrome and increase the risk of cognitive decline. I hope to explore whether effective treatment of obesity and depression

By focusing on obesity and depression, I hope to identify ways to improve primary care. This work builds on my prior research focused on understanding the impact of quality improvement interventions on patient outcomes. Previously, I found that depression screening at Cleveland Clinic increased identification of depression and linkage to treatment. In a different study, I found that a system-wide quality improvement program to reduce elevated blood pressure was effective by intensifying patients' medications. In the future, I look forward to collaborating with other researchers and clinicians to develop interventions that improve how we treat patients with multi-

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Questions or comments? E-mail us at research4C@ccf.org or call 216-445-0719.