The Role of the Pharmacist in Health Care: Expanding and Evolving

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Differences of opinion remain surrounding the future of healthcare in this country. Recent action and inaction by Congress has contributed greatly to the question of how health care will be delivered and paid for by the American people. Despite this uncertainty, it appears clear to most that the approach we are currently taking is neither financially sustainable nor sufficient in the consistent delivery of quality care to all Americans. At the same time, all payers of health care are rethinking reimbursement models including shifting from a fee for service to a fee for performance approach. What role will the health care professions play in the evolution of these new models of care? How will physicians, nurses, pharmacists, and other health care providers work together to optimize the efficiency and quality of care? How will our professions capitalize on the unique strengths of the education and experiences of all health care professionals as they explore and implement strategies that capitalize on the value of team care? How will our professions adjust from a fee for service to a fee for performance or value reimbursement model? And finally, how will this and the next generation of pharmacists contribute to this new value based care model?

This issue of the NCMJ focuses on these and other emerging opportunities and challenges facing the pharmacy profession, and will attempt to address new ways in which the pharmacy profession can add value to the care of the citizens of North Carolina. Over the past several decades, schools of pharmacy have been preparing their students to accept expanded practice roles in health care systems, primary care clinics, and community pharmacies. Health care reform initiatives have accelerated these changes and created an environment favorable to new, innovative pharmacy practices and roles that have the potential to add significant value to the provision of advanced medication therapy management. This issue discusses many of these new roles within the context of the shift from fee for service to fee for performance reimbursement models.

Evolving Practice Models

As discussed by Farley et al [1], medication misuse, underuse, and overuse contributes to approximately $300 billion, or 10%, of the health care costs in this country. The article discusses the rationale and early learnings from two active research projects taking place in North Carolina that were designed to describe and assess best practices in the delivery of patient centered services. These projects were intended to optimize medication use and control costs while building a business case to enable effective programs to be scaled and sustained. Consistent with the development, implementation, and evaluation of new pharmacy practice models, Easter and DeWalt [2] present critical healthcare delivery elements important in medication optimization and integral to the effectiveness of new value-based models. In addition, the role of enhanced team-based care and interdisciplinary education are discussed as important components to the achievement of patient centered care. Several challenges associated with the implementation and sustainability of such initiatives are discussed, as well as strategies toward the advancement of team-based care. Trygstad [3] presents the history of the pharmacy profession within the context of a performance-based marketplace and the challenges and opportunities that lie ahead. He emphasizes the importance of the profession of pharmacy to build sustainable practice models that partner with other healthcare colleagues in order to optimally serve their communities and add value to the care of patients. This point is further amplified by the paper from Urick et al [4] where they discuss the role pharmacists are playing in optimizing advanced medication management therapy within state Medicaid programs. By focusing pharmacists attention on the most clinically complex patients, significant improvement in both the quality and cost of healthcare can be realized. These authors report on some of the innovative work being performed in this area to a number of states across the country.

Expanding Roles

Delivery

Over the past four decades, the role of the pharmacist has evolved from an individual who was primarily responsible for safely and accurately distributing a medication.
ties. The ease of access via technology extends the reach of care of diabetic patients that are from rural communities. In her commentary, other providers who provide this care. In her commentary, the pharmacist partners with prescribers and patients to meet unique medication needs that are not met by commercially available products. Compounding is an age-old art of the profession of pharmacy, which is utilized today to provide personalized medication therapies. In her commentary, Burch [8] describes patient care needs that can be met by compounding as well as reviews some of the regulations and best practices governing pharmaceutical compounding.

The significant role of the pharmacist in the management of individual health requires access to the pharmacist and other providers who provide this care. In her commentary, Nye [9] describes the utilization of telehealth to enhance the care of diabetic patients that are from rural communities. The ease of access via technology extends the reach and impact of the pharmacist into communities that need it the most.

Public Health

Beyond the care provided to individual patients, pharmacists have expanded their reach to influence the public health of communities. Trotta [10] describes the increased access to immunizations and increased immunization rates as a result of pharmacist provided immunizations in North Carolina. The effect on public health through increased immunization rates is a function of the unparalleled access patients have to pharmacists within the community.

More recently, the pharmacist has been at the forefront of addressing the public health crisis caused by opioid abuse. Muzyk et al [11] discuss the various ways the pharmacist facilitates appropriate prescription opioid use as well as provides access to naloxone, an opioid antidote, through the state-wide standing order. Management of opioids is complex, and the pharmacist is a critical partner in the process of treating pain and mitigating adverse events and/or the risk of abuse.

Another public health issue where pharmacists contribute is in the arena of disaster response. In their commentary, Moore and Kenworthy [12] provide an overview of the roles that the pharmacist plays in disaster response and preparedness, including providing continued medication therapy and/or acute care for patients affected by disaster. In a disaster response situation, the role of the pharmacist may not be limited to the more traditional roles of medication selection, proper storage, and distribution, but may include expanded roles such as education opportunities, triage, or immunizations. These roles in public health expand the impact of the pharmacist beyond the pharmacy counter and have significant impact in their community.

Conclusion

In a rapidly evolving health care system with increased demands for results and personalized care, the pharmacist is a critical partner in the provision of care. The skill set of the pharmacist provides a unique opportunity to deliver optimal medication utilization to manage acute and chronic diseases as well as many other roles that are beyond an outdated view that limits pharmacy practice to the distribution of medication. The pharmacist is uniquely positioned to provide disease state management through appropriate medication therapy management that has been demonstrated to improve patient outcomes and decrease overall health care costs. This role is more important than ever as the environment is demanding new practice and payment models that are required to further optimize care and outcomes while addressing the unsustainable increases in health care costs. While the role of the pharmacist on the health care team for optimal management of medication has been appreciated, the positive impact on wellness, out-
comes, and overall health care costs through a full scope of practice highlights the significant contribution pharmacists make and can make in the ever changing health care system. NCMJ

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