

#### March 1, 2021

#### Re: OPM Pharmacy Benefits - Notice ID 24322621R0004

The undersigned organizations appreciate the opportunity to provide the Office of Personnel Management (OPM) with feedback on their request for comment regarding pharmacy benefits. Collectively, we represent 1200 members from over 800 organizations.

We applaud OPM for its efforts to improve the Federal Employee Health Benefits Program by optimizing pharmacy benefits. At present, nearly 70% of Americans take at least one prescription medicine per month, 50% take two or more per month and 20% are on five or more prescription medications at any time. Medications are the first line of therapy to treat patients with chronic diseases and acute complex diseases such as cancer and heart disease. Medication breakthroughs have made it possible for more Americans to live longer, healthier lives. However, these breakthroughs also brought new challenges and higher costs. Lack of proper medication oversight and management can result in suboptimal therapeutic outcomes and patient harm, including avoidable illness (plus attendant hospitalizations) and death. The human and financial toll of inappropriate medication use is calamitous, contributing to 275,000 avoidable deaths in 2016 and an annual cost of more than \$528 billion – approximately 16% of the annual \$3.2 trillion in U.S. health care expenditures. Optimizing medication use through comprehensive medication management (CMM) in practice would decrease waste and protect patients while reducing systemic costs.

Below, we detail how team-based CMM can improve patient outcomes and reduce health care costs. We also identify current barriers to widespread uptake of CMM and offer suggestions for increasing access to these vital services. These recommendations are grounded in evidence-based practice and are supported by quality and outcomes data.

## I. Comprehensive Medication Management is an Essential Element of a Robust Pharmacy Benefit

Historically, the pharmacy benefit has often been narrowly construed as simply prescription drug coverage and formulary management. However, as pharmacy practice has evolved and therapeutic regimens have become more complex, comprehensive and integrated medication management services have become increasingly essential to an effective person-centered, outcomes-oriented pharmacy benefit program. To ensure that individuals are optimizing medication use, pharmacy benefit plans should cover CMM provided by an interprofessional health care team, including a clinical pharmacist. CMM is a systematic approach to medications where physicians and pharmacists ensure that those medications (whether they are prescription, non-prescription, alternative, traditional, vitamins or nutritional supplements) are:

- individually assessed to determine that each medication is appropriate for the patient;
- effective for the medical condition;
- safe given the comorbidities and other medications being taken; and

<sup>&</sup>lt;sup>1</sup> Watanabe JH, McInnis T, and Hirsch. Cost of Prescription Drug—Related Morbidity and Mortality. Related Morbidity and Mortality. Annals of Pharmacotherapy. Annals of Pharmacotherapy. 2018; 52(9): 8292018; 52(9): 829—837.837.

<sup>&</sup>lt;sup>2</sup> See Zhong W, Maradit-Kremers H, Sauver JL, Yawn BP, Ebbert JO, Roger VL, et al. Age and Sex patterns of Drug Prescribing in a Defined population. Mayo Clinic Proceedings 2013;88(7):697-707; See also New England Healthcare Institute. Thinking Outside the Pillbox A Systemwide Approach to Improving Patient Medication Adherence for Chronic Disease A NEHI Research Brief—August 2009. <a href="https://www.nehi.net/writable/publication\_files/file/pa\_issue\_brief\_final.pdf">https://www.nehi.net/writable/publication\_files/file/pa\_issue\_brief\_final.pdf</a>.



• able to be taken by the patient as intended.3

CMM is more rigorous in process and purpose,<sup>4</sup> and is team-based, information-focused, supported by diagnostics (like pharmacogenomics), iterative and more patient-centric than traditional medication therapy management (MTM), which is typically provided under Medicare Part D and by commercial plans. Although MTM provides an annual review of medication therapy, it can often be limited to episodic, siloed care. In contrast, comprehensive medication management (CMM) was developed to address the shortcomings of MTM. CMM is an ongoing, patient-centered, comprehensive approach to optimizing medication use and improving patient health outcomes, delivered by a clinical pharmacist working in collaborative practice with the patient and other health care providers.<sup>5,6</sup>

Data shows that CMM benefits the health care system through lower hospital readmission rates, increased adherence and improved clinical outcomes. The financial return on investment for CMM services "average[s] around 3:1 to 5:1 and can be as high as 12:1, resulting in a reduction in the direct mean medical cost of between \$1200 and \$1872 per patient per year for each of the first five years for those patients with chronic diseases such as diabetes, cardiovascular health issues, asthma and depression." A 2018 study including more than 43,000 patients found that patients who had received a CMM visit within 30 days post discharge had a significantly lower rate of readmissions compared to the comparator cohort. The 60-day readmission rate was also lower. CMM has also been shown to improve population health, enhance individual care experience and improve physician satisfaction.

CMM provides significant benefit for chronic disease patients through optimized medication use and improved health outcomes. Patient engagement as part of the CMM process of care addresses medication therapy problems beyond adherence. For instance, inadequate therapies (dose too low, different or additional drug needed or wrong drug) account for more than half of the medication problems encountered (56%), while adherence is less than 15%. CMM allows for a process to identify those that have not achieved clinical goals of therapy, target the correct therapies and evaluate medications as safe, effective and appropriate. Additionally, optimizing medication therapy among patients with diabetes, hypertension, hypercholesterolemia and congestive heart failure reduces

<sup>&</sup>lt;sup>3</sup> The Patient-Centered Medical Home: Integrating Comprehensive Medication Management to Optimize Patient Outcomes. 2nd ed. PCPCC Medication Management Task Force collaborative document. <a href="https://jcpp.net/wp-content/uploads/2015/09/PCPCCmedmanagement.pdf">https://jcpp.net/wp-content/uploads/2015/09/PCPCCmedmanagement.pdf</a>

<sup>&</sup>lt;sup>4</sup> The CMM process is explored in a greater depth in The Patient Care Process for Delivering Comprehensive Medication Management (CMM): Optimizing Medication Use in Patient-Centered, Team-Based Care Settings. CMM in Primary Care Research Team. July 2018. http://www.accp.com/cmm\_care\_process, which is attached as Appendix A of this document.

<sup>&</sup>lt;sup>5</sup> CMM vs MTM Patient focused process vs medication focused activity <a href="https://gtmr.org/blog-cmm-vs-mtm-patient-focused-process-vs-medication-focused-activity/">https://gtmr.org/blog-cmm-vs-mtm-patient-focused-process-vs-medication-focused-activity/</a>

<sup>&</sup>lt;sup>6</sup> Sapp E., Francis S., Hincapie, A. Implementation of Pharmacist-Driven Comprehensive Medication Management as Part of an Interdisciplinary Team in Primary Care Physicians' Offices. The American Journal of Accountable Care. 2020;8(1):8-11.

<sup>&</sup>lt;sup>7</sup> Watanabe JH, McInnis T, and Hirsch. Cost of Prescription Drug—Related Morbidity and Mortality. Related Morbidity and Mortality. Annals of Pharmacotherapy. Annals of Pharmacotherapy. 2018; 52(9): 8292018; 52(9): 829—837.837.

<sup>&</sup>lt;sup>8</sup> Budlong, H., Brummel, A., Rhodes., A., Nici, H. Impact of Comprehensive Medication Management on Hospital Readmission Rates. Population Health Management. 2018.

<sup>&</sup>lt;sup>9</sup> See, e.g., McFarland, S., Lamb, K., Hughes, J., Thomas, A., Gatwood, J., Hathaway, J. Perceptions of Integration of the Clinical Pharmacist into the PCMH Model by the PCMH Team. Journal for Healthcare Quality. 2017. doi:10.1097/JHQ.000000000000114; Funk, K., Pestka, D., McClurg, M., Carroll, J., Sorensen, T. Primary Care Providers Believe That Comprehensive Medication Management Improves Their Work-Life. Journal of American Board of Family Medicine. 2019; 32(4): 462-473. doi: 10.3122/jabfm.2019.04.180376; McFarland, MS, Nelson J, Ourth H, Groppi J and Morreale A. Optimizing the primary care clinical pharmacy specialist: Increasing patient access and quality of care within the Veterans Health Administration. J Am Coll Clin Pharm. 2020;3:494-500.

<sup>10</sup> For additional discussion of the ROI for CMM provision, please see the Employer Toolkit attached at Appendix B to this document.

<sup>&</sup>lt;sup>11</sup> American College of Clinical Pharmacy (ACCP). Comprehensive Medication Management in Team-Based Care. https://www.accp.com/docs/positions/misc/CMM%20Brief.pdf



hospitalization rates, thereby reducing total health care costs. <sup>12,13</sup> For example, patients at Minnesota Health Fairview, an integrated health system that contracts with other commercial, managed Medicaid and Medicare payers, saw approximately 20% fewer readmissions in their patients receiving CMM than those who did not. <sup>14</sup> Similarly, HealthPartners, a health plan serving more than 1.8 million members nationwide, saw better outcomes within their diabetes population receiving CMM. Overall, there was a 30% increase in optimal diabetes control, leading to 200 fewer emergency department visits and almost 100 fewer hospitalizations. <sup>15</sup>

The pandemic has further underscored the utility of CMM for medically complex patients. COVID-19 patients benefit from CMM's coordinated, synchronous health care team, including input from a pharmacist as the medication expert. Many patients with severe COVID-19 complications have multiple comorbidities that require a team with a medication expert, and they may need additional treatment with antithrombotic, anticoagulant or antiplatelet agents to combat potentially deadly inflammation and thrombosis. Appropriate CMM utilization can help reduce the risk of adverse drug events and costly medication mistakes.

#### II. Barriers Remain to CMM Uptake

Despite the clear quality and outcomes benefits CMM provides for patients, uptake of CMM is currently impeded by a number of factors. OPM, as the administrator of the FEHB program, has the market influence to push for removal of these barriers. Specifically, the following issues would need to be addressed to increase access to CMM:

#### A. Define "Medication Management" to Mean CMM

Because CMM follows a proven model and utilizes the entire health care team, it is a far superior approach to ad hoc or carve-out medication interventions. At present, "medication management" is undefined, meaning that numerous less effective and comprehensive interventions could fall under its auspices. To realize the clinical and financial benefits of CMM, pharmacy benefit plans must explicitly define medication management to mean CMM. Health care organizations recently encouraged the Centers for Medicare & Medicaid Services (CMS) to define "medication management" in Medicare Part B to mean CMM. We urge OPM to take a similar track, ensuring that their pharmacy benefit plans clearly define "medication management" to mean CMM, rather than allowing plans to define the term as they see fit. This common language, and a standardized process of care, will allow OPM and other health plan sponsors to measure the impact and value of optimizing medication use through CMM in practice.

B. Encourage Payment Models to Sufficiently Support CMM Services and Recognize Opportunities for Virtual Access

<sup>&</sup>lt;sup>12</sup> Brummel, A, Carlson, A. Comprehensive Medication Management and Medication Adherence for Chronic Conditions. Journal of Managed Care Pharmacy 2016; 22 (1); 56-62.

<sup>&</sup>lt;sup>13</sup> Khazraee et al. Clinical pharmacy services like CMM are cost-saving to the health care system, primarily through avoided hospitalization and emergency room (ER) visits. A 2017 study showed a 10:1 ROI when clinical pharmacists worked collaboratively with a multi-disciplinary care management team through targeted engagement with members and providers regarding opportunities to optimize drug regimens.)

<sup>&</sup>lt;sup>14</sup> Schlichte, A. Medication Optimization Use Case: Minnesota Health Fairview. 2020. <a href="https://l6bwl028dn7zhgp35k7rzh5c-wpengine.netdna-ssl.com/wp-content/uploads/2020/11/Medication-Optimization-Use-Case-Minnesota-Health-Fairview-Minneapolis-St.-Paul-Minnesotal-11252020.pdf">https://l6bwl028dn7zhgp35k7rzh5c-wpengine.netdna-ssl.com/wp-content/uploads/2020/11/Medication-Optimization-Use-Case-Minnesota-Health-Fairview-Minneapolis-St.-Paul-Minnesotal-11252020.pdf</a>

<sup>&</sup>lt;sup>15</sup> Rehrauer, D. Medication Optimization Use Case: HealthPartners. 2020. <a href="https://16bvl028dn7zhgp35k7rzh5c-wpengine.netdna-ssl.com/wp-content/uploads/2020/11/Medication-Optimization-Use-Case-HealthPartners-Bloomington-Minnesota-11252020.pdf">https://16bvl028dn7zhgp35k7rzh5c-wpengine.netdna-ssl.com/wp-content/uploads/2020/11/Medication-Optimization-Use-Case-HealthPartners-Bloomington-Minnesota-11252020.pdf</a>



It is important to note that for the CMM definition to be meaningful, the pharmacy benefit plan must reimburse for these services at a rate sufficient to support these services. It is imperative that the services are coded and reimbursed commensurate with the duration and complexity of the services provided. OPM will be working largely with commercial payors, who have significant flexibility in service contracting, coding and reimbursement, which allow commercial payors to work with the clinical pharmacist and interprofessional team to provide CMM. We believe that as value-based payment models expand, the demonstrable clinical and financial benefits of CMM will contribute to expansion and scaling for broad adoption and access.

Additionally, onsite access to a clinical pharmacist working collaboratively with the team should not be seen as a barrier. To enhance patient access, the services should be made available via telehealth. The Veterans Health Administration, rural providers and increasingly during the pandemic, urban providers, have successfully delivered CMM services virtually. Research indicates that that CMM provided via telehealth has a significant positive influence on clinical outcomes. Studies also noted high patient satisfaction rates, improvement in no-show visit rates compared to face-to-face scheduling and a doubling of return on investment. Given the positive data associated with CMM provided via telehealth, as well as the flexibility it offers insurers, providers and patients, robust pharmacy benefit plans should cover both face-to-face and virtual CMM services. 16,17

C. Align and Integrate Optimized Medication Use as an Overall Patient Care and Health Benefit Strategy

Medication use has long been siloed—managed as a "carve-out"—focused on formulary management and discreate activities. The failure to align, coordinate and integrate medication management strategies designed to mitigate medication therapy problems such as unnecessary therapy, incorrect dosages, inadequate therapy, adverse reaction and non-adherence is costing OPM lives and money. In the past, each of these issues might have been treated separately but with limited follow up, coordination or accountability. It remains common for pharmacy benefits to include adherence programs and medication therapy management elements that are not coordinated. However, when CMM is implemented appropriately, this collaborative, pharmacist-led service decreases physician burnout, increases quality and leads to higher patient satisfaction. Rather than taking a piecemeal approach to medication therapy, treatment is aligned, resulting in fewer medication-related problems, better outcomes and lower costs.<sup>18</sup>

D. Require Access to Patient's Clinical Health Information at the Point-of-Care

A robust pharmacy benefits program that includes CMM must also ensure that the CMM team, to include the clinical pharmacist, has access to a patients' diagnostic results and clinical health records at the point-of-care. Providers must have secure and timely access to the clinical and diagnostic information necessary to identify patients who have not achieved therapeutic goals, identify drug therapy problems and work collaboratively to develop a tailored medication and patient care plan

<sup>&</sup>lt;sup>16</sup> Singh LG, Accursi M, Korch Black K. Implementation and outcomes of a pharmacist-managed clinical video telehealth anticoagulation clinic. Am J Health Syst Pharm. 2015;72(1):70-73. doi:10.2146/ajhp130750

<sup>&</sup>lt;sup>17</sup> Leach M, Garcia G, Ganzer N. Implementation and evaluation of a pharmacist-run mental health treatment clinic via clinical video telehealth. Ment Health Clin. [Internet]. 2016;6(3):159-64. DOI: 10.9740/mhc.2016.05.159.

<sup>&</sup>lt;sup>18</sup> The Outcomes of Implementing and Integrating Comprehensive Medication Management in Team-Based Care: A Review of the Evidence on Quality, Access and Costs, October 2020 https://16bvl028dn7zhgp35k7rzh5c-wpengine.netdna-ssl.com/wp-content/uploads/2020/11/The-Outcomes-of-Implementing-and-Integrating-CMM-in-Team-Based-Care-A-Review-of-the-Evidence-on-Quality-Access-and-Costs-11252020.pdf



with the patient. This includes access to pharmacogenomic test results that contribute to the therapeutic planning. At present, some pharmacy benefits providers are not sufficiently integrated with patients' other clinicians to allow for the requisite EHR access that will permit pharmacist team members to comprehensively manage a patient's medication regimen or evaluate whether clinical goals of therapy have been met.

#### III. Conclusion

Again, we thank OPM for the opportunity to provide information regarding how medication optimization through CMM can enhance FEHB offerings. Although barriers remain to CMM uptake, we believe the clinical and financial benefits of CMM services will reduce these obstacles over time.

Please do not hesitate to contact Katherine H. Capps, executive director and co-founder of the GTMRx Institute, at <a href="mailto:kcapps@gtmr.org">kcapps@gtmr.org</a> regarding CMM and/or medication management generally.

On behalf of the GTMRx Institute and the below signatories.

Sincerely,

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## **GTMRx Representative Sample of Signing Member Companies:**

founding funders(†), executive members(\*) and strategic partners(§)

Abbvie(§)	American Academy	Arine	Baptist Health
	of Family Physicians		
Abington Jefferson	(AAFP)	Arxcel	Baptist Health
Health			Louisville
	American	AscellaHealth	
Accenture	Association of		<b>Baptist Medical</b>
	Colleges of	Ascension Medical	Center Jacksonville
ActiveRADAR, Inc.	Pharmacy (AACP)(*)	Group	
		•	<b>Baylor University</b>
Advanced Primary	American College of	Ascension Seton	Medical Center
Care Strategies	Clinical Pharmacy		
-	(ACCP)(†)	Association of	<b>Belmont University</b>
Advocacy Options		Community Cancer	College of
LLC	American Society of	Centers (ACCC)	Pharmacy
	Health-System	, ,	
Advocate Medical	Pharmacists	Atlantic Health	Benefis Health
Group and	(ASHP)(†)	System	System
Midwestern		•	
University	Ameshi	Atrium Health	Beth Israel Lahey
·	Management		Health
AegisOne Rx	Service Inc.	Auburn University,	
· ·		Harrison School of	BetterMyMeds
Affinia Health	Amgen(*)	Pharmacy	
Network		•	Beverly Hills
	Anchor Medical	Aurum Diagnostics,	Institute for
Albany College of		LLC	<b>Precision Medicine</b>
Pharmacy and	Antaean		
Health Sciences		Avalon Behavioral	Bingo Dynamic
	Apexus	Health Solutions,	Lifesaver
Aledade		LLC	
	APhA		Biopharma Advisors
All In Solutions		Avera Health	
	Apple Discount		BJC Medical Group
Allergy & Asthma	Drugs	Avera Heart	& ACO
Network		Hospital	
	APRx	•	Blue Thorn Inc
Allergy Partners		Avera Institute for	
01	Aramark	Human Genetics	Board of Pharmacy
Alliance for			Specialties
Integrated	Arcuris Consulting	Avera McKennan	•
Medication	-	Hospital	Boston Medical
Management	ArdentCare	•	Center
Ŭ	Solutions	Ballad Health	



Breast Cancer Index(§)	Care Accountability Inc.	CHC Health	College of Psychiatric and
Brigham and Women's Hospital	Caretuit	CHESS Health Solutions	Neurologic Pharmacists
BRKINS	Carilion Giles Community Hospital	Chicago College of Pharmacy, Midwestern	Colorado Pharmacists Society
BT Pharmacy Consulting LLC	Catalyst Enterprises	University	Communication Prescription, LLC
Butler University,	LLC Catholic Health	Children's of Alabama	Community Health
College of Pharmacy & Health Sciences	Services of Long Island	Children's Health	Partners
California	CB Pharmacy	Chiro To Go	Community Health Network
Chronic Care Coalition(*)	Consulting, LLC  CCI consulting	CHRISTUS Health	Consana LLC
California Society of Health System	CDC via IHRC	CHWP Cisco Systems, Inc.	Consult A Pharmacist, LLC
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	CDPHP	City Dermatology	Coriell Life Sciences
Carekinesis	CDPHP Cedars-Sinai	and Laser	Coriell Life Sciences CPESN Iowa
Carekinesis Campbell's Pharmacy			
Campbell's	Cedars-Sinai	and Laser  Cleveland Clinic	CPESN Iowa
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Campbell's Pharmacy  Cantu's Pharmacy  Capacity Strategies  Capita Consulting  Capitol Advocacy & Government Affairs, LLC  Capstone Healthcare Alliance	Centene  Central Care & Anti-Aging  Center for Medication Optimization  Center for Quality Medication Management at the University of Florida	and Laser  Cleveland Clinic Main Campus  Clinical and Translational Genome Research Institute of Southern California University of Health Sciences  Clinical Pharmacy	CPESN Iowa  CPS Telepharmacy  CrossBridge Health  CSS Health  CURA Strategies  Cureatr  Custom Design
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Dallas-Fort Worth Business Group on	Eccrine Systems, Inc	Fairleigh Dickinson University School of	GenXys Health Care Systems
Health	eHealth Initiative	Pharmacy & Health Sciences	GeriatRx
Daviess Community	Elder Care		
Hospital	Pharmacy Consultants, LLC	Fairview Pharmacy Services	Geritom Medical
DCH Health System			Ghost Systems, Inc.
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Deaconess Hospital	Consulting, LLC		Global Health Care,
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	Emerson Hospital	First Databank	
Diamond S Ranch			<b>Grand Valley State</b>
	Employers'	First Impact	University,
Digital Health Space	Advanced		Physician Assistant
	Cooperative on	Florida Alliance for	Studies
Doylestown Health	Healthcare	Healthcare Value	
			Greater
Drake University	Ensign Services	Fortech	Philadelphia
			Business Coalition
DRx Consulting LLC	Entree Health	Franciscan Health	on Health
Duke-Margolis	Envision Genomics	Fresenius Medical	Gynecologic Care
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Duke University			<b>Great Plains QIN</b>
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	Inc.	Geisinger Health	Pharmacy
East Tennessee		System	
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Academic Health		GenelQ	Inc.
Sciences Center /	Executive Kings, Inc.		
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	Consulting Services,	Genet-Rx	Training, Inc.
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			Partners



Health2 Resources	IDDI	Iowa Healthcare Collaborative	Kevin Marvin Consulting LLC
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Oncology	Association, Inc.	Awareness Network	Pharmacy
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	Health		Communities
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Hinshaw &		Permanente(*)	Medical Supplies
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Houston Methodist	InsightGx LLC	Colorado	Healthcare
Health System			
	Inspera Health	Kelly Diabetes	Resources, Inc.
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IBM Watson Health	Group	Kennedy Pharmacy	Hospital
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Idaho State	Invitae	UofSC College of	Manchester
University		Pharmacy	University
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Mann-Grandstaff Veterans Affairs Medical Center	MedsPLUS Consulting	Mountain Health CO-OP	Northeastern University School of
Medical Center	MedTek21	MyMeds	Pharmacy
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,		Nasr City Cancer	Medical University
Massachusetts	MedWatchers	Center	
College of			Novant Health
Pharmacy and	Mercer University	National Alliance of	
Health Science	College of	Healthcare	Nurse Advocate
	Pharmacy	Purchaser	
Matheus BD		Coalitions(§)	NYC Health +
Connections, LLC	Mercy Health		Hospitals/ Gotham
		National	Health
MCG	Mercyone	Hemophilia	
	Waterloo Medical	Foundation	OCAPS
McQuone	Center	Martanal	
Consulting		National	Ohio College of
145.5	Mid-America	Pharmaceutical Council	Clinical Pharmacy
MD Resources	Coalition on Health	Council	Advocacy
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MedAllies	Midwesters	Navigant, inc	Omicara
NA a al Aversa	Midwestern University Glendale	Nebraska Medicine	Omicare
MedAware	College of	Nebraska Medicilie	Omnicell
MedCentre PLLC	Pharmacy	Nevada Business	Ommeen
Wicdechtie i LLC	,	Group on Health	On Call Healthcare
Medical Risk	Missouri	•	LLC
Managers	Pharmacogenomics	New Directions	
Managers	Consulting	Behavioral Health,	OneOme(§)
Medication Call		LLC	- (0)
Reminder	Mobile MediClaim,		OnlyYOU®
	Inc.	New Directions	,
MedicationXpert,		Technology	Options MD
corp.	ModRN Health	Consulting, LLC	•
			Optum Health
Medigenics	Monument Health,	NewHealth	Services
Consulting LLC	LLC	Collaborative;	
		Summa Health	Orange Regional
Medisafe	MorningStar		Medical Center
	Actuarial	New Jersey Poison	
MediSync	Consulting, LLC	Information and	OYES LLC
		Education Services	
Medplus Solutions	Mountain Area	Nakamia Fidusia	Pacific Business
	Health Education Center	Nokomis Fiduciary	Group on Health
	Center		



Pacific University Oregon School of	PipelineRx	Rexall Pharmacy Group, Inc	Sanford Health
Pharmacy	Pittsburgh Business Group on Health	RHA Health	Santiam Hospital
Palm Beach Atlantic University, School	Point-of-Care	Services	Santosha Health
of Pharmacy	Partners	Ritu Suri MD LLC	Sarasota Memorial Hospital
Panacea BioMatx,	Prefeitura	Riverside University	·
Inc	Municipal de Belo Horizonte	Health System	ScalaMed
Park Nicollet Health		RiverStone Health	SCAN Health Plan
Services	Preventive Plus		
		Rochester Regional	Scipher Medicine
Parker Adventist	Prisma Health	Health	
Hospital			Scripta Insights
	Proactive Health,	Rocky Mountain	
Partners Pharmacy	Atrium	Health Plans	Signature Diabetes Institute (SDI)
Penn Presbyterian	Psychopharm	Roosevelt	
Medical Center	Solutions LLC	University	Simplicity Pharmacy Services and
Perfect Planet, LLC.	PTS Diagnostics	Rosalind Franklin University	Wellness Center Inc
Pharma-Care, Inc.	QRxConsults LLC		Siouxland
Pharmaceutical	Quality Community	Roseman University	Community Health Center
Care Options, LLC	Health Care	RPRD Diagnostics	Cerreer
•		0	SOHO Health
PharmaLead	Quest	Rutgers Pharmacy	
Consulting	Diagnostics(†)	& Henry J. Austin Health Center	South College School of Pharmacy
Pharmazam, LLC	QuickSTAT		,
		rx-Consultant,LLC	South Dakota State
PharmD Live	Reed Family		University
	Pharmacy	RxResults	•
PharmEcology			Southwest General
Services, WMSS	Reengineering	Saba and	
	Cancer Treatm	Associates, LLC	Southwest
PharMerica			Montana
	Regenstrief Center	Salt Lake City	Community Health
Physician Health	for Healthcare	Medical Center	Center
Partners	Engineering		
		San Antonio	Spartanburg
PIH Health Hospital	Retirement	Regional Hospital	Regional Healthcare
– Downey	Wellness Strategies		System



St. Bernards	Medicine, A&M	TMAccelerator	University of
Hospital, Inc.	Rural and		Chicago Medicine
	Community Health Institute	Towncrest	
St. Christopher's	institute	Pharmacy	University of
Hospital for	Tayaa Dusinaa		Cincinnati College
Children	Texas Business	Tria Health	of Pharmacy
Ch. Jahan Hairanih.	Group on Health		Habi and the of
St. Johns University,	Tayaa Taab	Trinity Clinical	University of
Long Island University	Texas Tech	Pharmacy Services	Colorado
University	University Health Sciences Center		Hairransita est
St. Lawis Callage of	Jerry H. Hodge	TriStar Summit	University of Connecticut School
St. Louis College of Pharmacy	School of Pharmacy	Medical Center	of Pharmacy
Filalillacy	School of Fridiniacy	T 10 11 11	Of Pilatillacy
St. Luke's	TFG Partners, LLC	TrustCare Health	University of
Rehabiliation	ii o i aitileis, LLC		University of Florida College of
Institute	The California	TS Consulting	Pharmacy
mstitute	Chronic Care	Services	Filalillacy
St Mary Modical	Coalition (CCCC)		University of
St. Mary Medical Center	esumism (eece)	Umm Al-Qura	Georgia College of
Center	The FIT PharmD	University	Pharmacy
Steward Healthcare	THE THE HIGHID		Tharmacy
Steward Healthcare	The John Hopkins	UNC Eshelman	University of Hawaii
Stroke Association	Hospital	School of	at Hilo; Hawaii
Support Network –	Hospital	Pharmacy, Center	Island Family
Ghana	The Johns Hopkins	for Medication	Health Center
Gilaria	Health System	Optimization	
SyneRxgy		UnitedHealthcare	University of Illinois
Consulting, LLC	The Journal of		at Chicago College
	Precision Medicine	Universidade	of Pharmacy
Tabula Rasa Health		Federal de Minas	
Care(*)	The Kimber Boothe	Gerais	University of Iowa
	Group, LLC		Hospitals & Clinics
Teachers'		University at	
Retirement System	The Sab Group	Buffalo	University of Jordan
of Kentucky(§)			Hospital
	The Virtual	University of	
TeleMedik	Nephrologist, INC.	California Irvine	University of Kansas
Texas A&M Rural	Therapy in your	University of	University of
and Community	home – OT PT ST	California San Diego	Kentucky
Health Institute			
	Thermo Fisher	University of	University of
Texas A&M	Scientific	California San	Maryland
University HSC		Francisco	
College of	TLJ Health		



University of	University of Texas	Vulcan Enterprises	College of
Maryland Quality Care Network	Rio Grande Valley	LLC	Pharmacy
	University of Utah	Walgreens	WeWa.life LLC
University of	College of		
Medicine Mandalay	Pharmacy	Walmart	Wilkes University
University of	University of	WardRx Consulting	William Carey
Minnesota	Tennessee Health		University School of
	Science Center	Washington State	Pharmacy
University of	College of	University College	
Mississippi School	Pharmacy	of Pharmacy &	William Jones RPh,
of Pharmacy		Pharmaceutical	LLC
	UPMC Western	Sciences	
University of	Maryland		Williamsburg
Missouri Kansas		Watermark	Endocrinology, Inc
City School of	University School of	Counseling LLC	
Pharmacy	Pharmacy	00000	WilsonValue Drug
•	•	Watson	Store
University of	Uptown Pharmacy	International	31016
Nevada School of	~ p. c	Consulting LLC	Malfa's Dharmasu
Medicine	USAID	Consulting LLC	Wolfe's Pharmacy
	OSAID	Wayna Stata	VAV-11 IVI
University of New	UTHealth	Wayne State	Wolters Kluwer
Mexico College of	McGovern Medical	University College	Health
Pharmacy	School	of Pharmacy	_
Паттасу	SCHOOL		W Triplett
University of North	N/A NA selteral Constant	Webster &	Consulting LLC
Texas Health	VA Medical Center	Associates, LLC	Xavier University of
Science Center	Vanderbilt	WellScriptEd	Louisiana College of
	University Medical	Consulting Inc.	Pharmacy
University of	Center	G	
Rochester Medical		WellWaze, Inc.	Xeris
Center	Vigilance Health	, , , , , , , , , , , , , , , , , , ,	Pharmaceuticals
	Inc.	Wentworth-	Thatmaccaticals
University of South		Douglass Hospital	VouCcrint
Australia	Vintage Consulting	Douglass Hospital	YouScript
	viiituge consulting	Woslov Hoaltheare	7'
University of South	Virginia	Wesley Healthcare	Zigna Analytics
Carolina	Virginia Commonwealth	Systems	
		West Coast	Züp Medical
University of Texas	University	West Coast	Services
at Austin College of	VC and a law	University	
Pharmacy,	Visante, Inc		
Pharmacotherapy		Western University	
Division	Vizient	of Health Sciences,	
DIVISION			



# Appendix A: The Patient Care Process for Delivering Comprehensive Medication Management (CMM) Optimizing Medication Use in Patient-Centered, Team-Based Care Settings

https://gtmr.org/wp-content/uploads/2019/06/CMM Care Process.pdf



## **Appendix B: Employer Toolkit**

