

Key Managed Care Topic References

These topics may be incorporated into the program content in order to develop a well-rounded PGY1 Managed Care pharmacy resident. Any of these topics, above and beyond what is required in the Competency Areas, Goals and Objectives for the PGY1 Managed Care residency are not required, however, you may want to include them in your program design in order to provide comprehensive managed care training for residents.

TOPIC	NAME OF REFERENCE	LOCATION OF REFERENCE	DATE AND FEES
Managed Care Fundamentals	Fundamentals of Managed Care Pharmacy Certificate Program- Professional Version	http://amcplearn.org/products/1088/fundamentals-of-managed-care-pharmacy-certificate-program-professional-version	2016 \$399
Managed Care Pharmacy	AMCP Managed Care Pharmacy Brochure	http://www.amcp.org/WorkArea/DownloadAsset.aspx?id=22111	2017 None
Concepts in Managed Care Pharmacy	Concepts in Managed Care Pharmacy <ul style="list-style-type: none"> • Disease Management • Drug Utilization Review • Electronic Prescribing • Formulary Management • Maintaining Affordability of the Prescription Drug Benefit • Medication Errors • Medication Stockpiling • Outcomes Research • Patient Confidentiality • Population Health Management • Prior Authorization • Specialty Pharmaceuticals 	http://www.amcp.org/ConceptsInManagedCarePharmacy/	Accessed February 2018
Managed Care Pharmacy Practice	Managed Care Pharmacy Practice (Textbook)	Navarro RP, ed. Managed Care Pharmacy Practice. 2 nd edition. Jones and Bartlett Publishers: Sudbury, MA; 2009.	2009 \$95
Pharmacy and Healthplan Quality			
General Information on Quality	Quality	http://www.amcp.org/quality/	Accessed February 2018

Performance Measures and PQA (Pharmacy Quality Alliance)	Life Cycle of a Performance Measure, Part 1: Conceptualization to Adoption	http://amcplearn.org/products/1301/life-cycle-of-a-performance-measure-part-1-conceptualization-to-adoption	2017 \$15
Performance Measure Implementation and Evaluation	Life Cycle of a Performance Measure, Part 2: Implementation and Evaluation	http://amcplearn.org/products/1302/life-cycle-of-a-performance-measure-part-2-implementation-and-evaluation	2017 \$15
Quality Measures (including CMS Star Ratings)	Quality Measures for Pharmacies	Pharmacist's Letter, Detail-Document #320101	2016 May require subscription to Pharmacist's Letter
NCQA (National Committee for Quality Assurance) Accreditation and HEDIS (Healthcare Effectiveness Data and Information Set)	NCQA Accreditation Programs HEDIS Measures	https://www.ncqa.org/programs/accreditation http://www.ncqa.org/hedis-quality-measurement	Accessed February 2018
URAC Accreditation	URAC Pharmacy Quality Management Programs	https://www.urac.org/program-area/pharmacy-quality-management-programs	Accessed February 2018
Federal Programs and Regulations			
Medicare	What is Medicare?	https://www.medicareinteractive.org/get-answers/introduction-to-medicare/explaining-medicare/what-is-medicare	
Medicare Part D	Medicare Prescription Drug Benefit Manual: Chapter 6 - Part D Drugs and Formulary Requirements	https://www.cms.gov/Medicare/Prescription-Drug-Coverage/PrescriptionDrugCovContra/Downloads/Part-D-Benefits-Manual-Chapter-6.pdf	Accessed February 2018
Medicaid	What is Medicaid?	https://www.medicareinteractive.org/get-answers/programs-for-people-with-limited-income/medicaid-and-medicare/what-is-medicaid	Accessed February 2018
ACA (Affordable Care Act)/Healthcare Reform	Affordable Care Act	https://www.medicaid.gov/affordable-care-act/index.html	Accessed February 2018
ACA and the Pharmacist	The Affordable Care Act and the Pharmacist (US Pharm. 2015;40(10):33-38.)	https://www.uspharmacist.com/article/the-affordable-care-act-and-the-pharmacist	2015

FDA Drug Approval Process	U.S. Food and Drug Administration Process	https://www.fda.gov/downloads/drugs/resourcesforyou/consumers/ucm284393.pdf	Accessed February 2018
FDA Approved Drug Products	Drugs@FDA: FDA Approved Drug Products Search Page	https://www.accessdata.fda.gov/scripts/cder/daf/	Accessed February 2018
340 B Drug Pricing Program	Overview of the 340B Drug Pricing Program	https://www.340bhealth.org/340b-resources/340b-program/overview/	Accessed February 2018
Evaluating Evidence and Drug Information			
Drug Information and Literature Evaluation	Remington Education: Drug Information and Literature Evaluation (Textbook)	Abate MA, Blommel ML. Remington Education: Drug Information and Literature Evaluation. 1 st edition. Pharmaceutical Press: 2013. http://www.pharmpress.com/product/9780857110664/remington-education-drug-information-and-literature-evaluation	2013 \$35
Study Design and Statistical Terms	Applying Study Results to Patient Care: Glossary of Study Design and Statistical Terms Applying Study Results to Patient Care: Relative Risk, Absolute Risk, and Number Needed to Treat	Pharmacist's Letter, Detail-Document #210610 Pharmacist's Letter, Detail-Document #210610	2005 May require subscription to Pharmacist's Letter
Statistics	Basic and Clinical Statistics (Textbook)	Dawson B, Trapp RB. Basic and clinical biostatistics. 4 th edition. Lange Medical Books-McGraw Hill: 2004.	2004 \$87
AMCP Format for Formulary Submissions Formulary Monographs	A Format for Submission of Clinical and Economic Evidence in Support of Formulary Consideration See Appendix B for Formulary Monograph Template	http://www.amcp.org/FormatV4/	2016 No fee
Pharmacy and Therapeutics Committees			
Pharmacy and Therapeutics (P&T) Committees	ASHP guidelines on the pharmacy and therapeutics committee and the formulary system (Am J Health-	https://www.ashp.org/-/media/assets/policy-guidelines/docs/guidelines/gdl-pharmacy-therapeutics-committee-formulary-	2008

	Syst Pharm. 2008;65:1272-83.)	system.ashx?la=en&hash=EF1E4214CC91C65097AE EECE91BF6EC985AE3E56	
	The Changing Roles of P&T Committees (PT. 2014;39(11):768-772.)	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4218672/	2014
Compendia and Knowledge bases	Gain a Solid Understanding of Compendia and its Impact on Patient Access (Formulary. 2012;252-256)	http://formularyjournal.modernmedicine.com/formulary-journal/news/clinical/clinical-pharmacology/gain-solid-understanding-compendia-and-its-imp	2012
Pharmacy Benefit Design			
Pharmacy Benefit Design, Utilization Management/Cost Containment Strategies	Pharmacy Benefit Design: Presentation Developed for the Academy of Managed Care Pharmacy (February 2015) An Annotated Bibliography of Managed Care Pharmacy Interventions <ul style="list-style-type: none"> • Step Therapy • Prior Authorization • Tiered Formularies 	http://www.amcp.org/WorkArea/DownloadAsset.aspx?id=19131 http://www.amcp.org/WorkArea/DownloadAsset.aspx?id=9276	2015 2010 Accessed February 2018
Managed Care Pharmacy Interventions			
Pharmacy Interventions	An Annotated Bibliography of Managed Care Pharmacy Interventions <ul style="list-style-type: none"> • Educational Interventions • Monitoring and Feedback • Disease Management • Review Articles on Managed Care Pharmacy Interventions 	http://www.amcp.org/WorkArea/DownloadAsset.aspx?id=9276	2010 Accessed February 2018
Methods for Pharmacoeconomics and Pharmcoepidemiology			
Comparative Effective Research	AMCP Comparative Effectiveness Research Certificate	http://www.amcp.org/CERCertificate	\$495

Pharmacoeconomic Evaluation Techniques	Role of the Managed Care Pharmacist in Using Pharmacoeconomic Analyses in Formulary Decision-Making	http://amcplearn.org/products/1160/role-of-the-managed-care-pharmacist-in-using-pharmacoeconomic-analyses-in-formulary-decision-making	2016 No Fee
Cost-Effective Analysis (CEA)	Cost-Effective Analysis and the Formulary Decision-Making Process (J Manag Care Spec Pharm, 2004;10(1):48-59.)	https://www.jmcp.org/doi/abs/10.18553/jmcp.2004.10.1.48	2004
Pharmacoeconomics	Pharmacoeconomics: Presentation Developed for the Academy of Managed Care Pharmacy (February 2015)	http://amcp.org/WorkArea/DownloadAsset.aspx?id=19130	2015
Patient Reported Outcomes	Patient-Reported Outcomes: A Primer for Managed Care Pharmacists	http://amcplearn.org/products/1278/patient-reported-outcomes-a-primer-for-managed-care-pharmacists	2017 \$15
Research Project	Conducting Your Pharmacy Practice Research Project (Textbook)	Smith F. Conducting Your Pharmacy Practice Research Project. 2nd edition. Pharmaceutical Press: 2010. http://www.pharmpress.com/product/9780853698692/conducting-your-pharmacy-practice-research-project	2010 \$42
Pharmaceutical Payments and Pricing			
Payment Methods	Guide to Pharmaceutical Payment Methods	http://www.amcp.org/pharmaceutical-payment-guide	2013 No fee
Pricing and Reimbursement	Pricing and Reimbursement in U.S. Pharmaceutical Markets. Faculty Research Working Paper Series. Harvard Kennedy School. Harvard University	https://research.hks.harvard.edu/publications/getFile.aspx?id=598	2010
Rebates	Encore: Approaches to Managed Care Contracting with Pharmaceutical Manufacturers	http://amcplearn.org/products/1271/encore-approaches-to-managed-care-contracting-with-pharmaceutical-manufacturers	2017 \$15

Value Based-Contracts	AMCP Partnership Forum: Advancing Value-Based Contracting. (J Manag Care Spec Pharm. 2017;23(11):1096-1102.	https://www.jmcp.org/doi/full/10.18553/jmcp.2017.17342	2017
Specialty Pharmacy			
Specialty Drugs	Specialty Drug Overview	https://www.pcmanet.org/pcma-cardstack/what-is-a-specialty-drug/	Accessed February 2018
Biosimilars and Follow-On Biologics	Biosimilars and Follow-on Biologics: A Pharmacists Opportunity (McShea M, Borns, M, Pollon RD. Specialty Pharmacy Times, September/October 2016.)	https://www.specialtypharmacytimes.com/publications/specialty-pharmacy-times/2016/september-2016/Biosimilars-and-Follow-on-Biologics-A-Pharmacist-Opportunity	2016 Accessed February 2018
Managing Specialty Drugs	The Management of Specialty Drugs	https://www.spcma.org/wp-content/uploads/2016/06/sPCMA_The_Management_of_Specialty_Drugs.pdf	2016 Accessed February 2018
Medical Benefit Specialty Management	Medical Benefit Specialty Drug Management—A Call to Action (Eng KJ, Specialty Pharmacy Times, January/February 2017.)	https://www.specialtypharmacytimes.com/publications/specialty-pharmacy-times/2017/January-2017	2017 Accessed February 2018
Personalized Medicine			
Precision Medicine	Home Study - The Promise and the Challenge of Personalized Medicine for Managed Care	http://amcplearn.org/products/1198/home-study-the-promise-and-the-challenge-of-personalized-medicine-for-managed-care	2016 No fee
Information Technology (IT)			
Health IT	Health IT: Why it Matters to You	http://amcplearn.org/products/1209/health-it-why-it-matters-to-you	2016 \$15
Mobile Health	The Basics of Mobile Health (mHealth) and Its Potential Impact	http://amcplearn.org/products/1297/the-basics-of-mobile-health-mhealth-and-its-potential-impact	2017 \$15
Pharmacy Health Information	Pharmacy Health Information Technology Collaborative Primary	http://pharmacyhit.org/	Accessed February 2018

Technology Collaborative	Focus and Guiding Principles		
NCPDP	National Council on Prescription Drug Programs (NCPDP)	http://www.ncdp.org/About-Us/FAQ	Accessed February 2018
Common NCPDP reject codes	NCPDP Reject Codes	https://files.medi-cal.ca.gov/pubsdoco/ncdp/ncdp_rejectcd.asp	
National Drug Code	National Drug Codes Explained National Drug Code Database Background Information	https://www.drugs.com/ndc.html https://www.fda.gov/Drugs/DevelopmentApprovalProcess/UCM070829	Accessed February 2018
Drug databases	First Databank (FDB)/ MedKnowledge (formerly NDDF) Medi-Span	http://www.fdbhealth.com http://www.wolterskluwer CDI.com/drug-data/medi-span-electronic-drug-file/	Accessed February 2018
RxNorm	RxNorm Overview	https://www.nlm.nih.gov/research/umls/rxnorm/overview.html	Accessed February 2018
ICD-10	International Classification of Disease, (ICD-10-CM/PCS) Background	https://www.cdc.gov/nchs/icd/icd10cm_pcs_backgroud.htm	Accessed February 2018
SNOMED/LOINC	SNOMED (Systematized Nomenclature of Medicine) About LOINC (Logical Observation Identifiers Names and Codes)	https://www.snomed.org/snomed-ct/what-is-snomed-ct https://loinc.org/about/	Accessed February 2018