# 15.482 Healthcare Finance Spring 2017

Andrew W. Lo. Min

Unit 10, Part 2: Pricing Issues

#### **Unit Outline**

- Pricing
- Ethics
- Pricing Issues for Cancer Drugs
- Price vs. Value
- Questcor Pharmaceuticals

# Pricing Issues for Cancer Drugs

# **MSK Says "No" To Zaltrap**

#### The New York Times

October 14, 2012

October 14, 2012

#### In Cancer Care, Cost Matters

By PETER B. BACH, LEONARD B. SALTZ and ROBERT E. WITTES

AT Memorial Sloan-Kettering Cancer Center, we recently made a decision that should have been a no-brainer: we are not going to give a phenomenally expensive new cancer drug to our patients.

The reasons are simple: The drug, Zaltrap, has proved to be no better than a similar medicine we already have for advanced colorectal cancer, while its price — at \$11,063 on average for a month of treatment — is more than twice as high.

The NEW ENGLAND JOURNAL of MEDICINE

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HEALTH POLICY REPORT

# Limits on Medicare's Ability to Control Rising Spending on Cancer Drugs

Peter B. Bach, M.D., M.A.P.P.

#### DRUG COVERAGE

Several provisions of the law address Medicare's coverage of cancer drugs, and Medicare has traditionally interpreted these as mandates that it provide coverage, thus undoing the use of coverage restrictions to limit utilization. For cancer drugs that are covered under Part B, which are generally drugs that are administered in a physician's office, the law requires Medicare to cover any drug used in an "anticancer chemotherapeutic regimen," as long as the use is "for a medically accepted indication" (Table 2). The law defines "medically accepted indication" broadly as uses approved by the Food and Drug Administration (FDA), uses listed in one of several drug compendia, and uses supported in the peer-reviewed medical literature.

For Part D drugs, which are generally oral drugs that a patient obtains from a pharmacy, the private plans that contract with Medicare to implement the program are required to include on their formularies virtually all cancer drugs that were available at the time the program was implemented in 2006. 19,24 In 2008, Congress addressed the inclusion on formularies of oral cancer drugs that came on the market after 2006, amending the law to mandate that as of 2010, Part D plans must include all drugs in certain categories in which the treated condition is "major" or "life-threatening." The prototypical example

Requirement	States Affected	Total Population of States Affected	Percentage of the U.S. Population Affected
Mandated coverage if use is listed in ei- ther recognized compendia or peer- reviewed medical literature	AL, AZ, AK, CA, FL, GA, IL, IN, KS, LA, ME, MD, MA, MN, MS, NE, NV, NJ, NY, OH, OR, RI, SC, SD, TN, VT	174,621,577	62
Mandated coverage if use is listed in recognized compendia only	CT, NC, OK, VA	21,984,047	8
Mandated coverage if use is supported in medical literature only	MI	9,938,444	4
Mandated coverage if use is "medically necessary" (but no other requirements)†	NH	1,235,786	<1
Total mandated coverage		207,779,854	74

Drugs.*						
Strategy	Text of Law, Regulation, or Court Ruling	Implication				
Coverage limitations or non- coverage	"[Appears to require coverage of] any drugs or bio- logicals used in an anticancer chemotherapeutic regimen for a medically accepted indication." [1381(t)(2)(A)]	Limits national or local coverage discretion for Part B (physician-administered) cancer drugs				
Blended reimbursement	"Multiple source drug means	Limits Medicare from combining clinically requiva- lent drugs into the same billing code by narrowly defining "multiple source drugs" and from com- bining drugs into the same code as those that are "multiple source"				
Least-costly-alternative reim- bursement	"[T]he Secretary [of Health and Human Services] lacks authority under {1862(a)(1)(A) to apply the least costly alternative to Duo Neb." 14	Suggests that Medicare may no have the legal au- thority to implement least costly-alternative re- imbursement or reference pricing at the nation- al level.				
Competitive hidding	"[T]he Secretary shall conduct such competition among entitles for the acquisition of at least one competitively biddable drug and biological within each billing and payment code within each cate- gory." [13478(b) (1)]	Requires that competitive adding for Part B drugs include effectively all two physician adminis- tered drugs and biolocity, thus limiting the ne- gotiating leverage the bidders could hold over				
Formulary flexibility	Pentaining to Part D olens at inception (2008), CMS guidance reachs: YMS will check to see that ben efficients who are being treated with these classes of medications have unimeruped access to all drugs in that class. "(United classes include "antimopolassic" drugs and two other drug classes.)) Pertaining to Part D plans as of 2010: "PDP [prescription-drug plan] sponsors offering prescription drugs shall be required [by 2010] to include all cowered Part D drugs where sent inced access would have major or life thread-size study used in the treatment of access and specific properties."	Requires Part D plans to include especially all can- cer drugs on their formalians, which timm their control of their properties of their properties of their obtain lower gricu only when they have the ability to forgo some drugs and include or preferen- tally test others in the same clinically equiva- lent category.				

<sup>\*</sup> The listed quotations are from Title 18 of the Social Security Act, unless otherwise indicated.

Requires Part D plans to include essentially all cancer drugs on their formularies, which limits their negotiating leverage. Formulary managers can obtain lower prices only when they have the ability to forgo some drugs and include or preferentially treat others in the same clinically equivalent category.

Cancer drugs do not trade in "free markets"

#### Survey of Oncologists about Shortages of Cancer Drugs

TO THE EDITOR: It is becoming increasingly difteratment of common and aggressive cancers

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ficult for patients with cancer to receive the life- have been vulnerable to shortages in the United saving treatments they need. Generic chemother- States since 2006.¹ One retrospective analysis apy agents that are routinely used for the curative confirmed that drug substitutions forced by

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Of the 214 physicians, 82.7% were unable to prescribe the preferred chemotherapy agent because of shortages at least once during the previous 6 months. The drugs associated with the most commonly reported shortages - leucovorin (reported by 66.4% of the oncologists surveyed), liposomal doxorubicin (reported by 61.7%), fluorouracil (reported by 18.7%), bleomycin (reported by 17.3%), and cytarabine (reported by 16.4%) — are integral to curing malignant conditions such as colon cancer, breast cancer, and leukemia as well as providing palliation for patients with metastatic cancer (see the Supplementary Appendix).4

Adaptation	Oncologists Reporting Modification (N=176)			
	no. (%)			
Switched chemotherapy regimens	138 (78.4)			
Substituted a different drug partway through treatment regimen	135 (76.7)			
Delayed treatment	76 (43.2)			
Excluded some patients	65 (36.9)			
Omitted doses	51 (29.0)			
Reduced doses	35 (19.9)			
Referred patients to another practice	29 (16.5)			



Figure 1: Drug shortages followed by FDA, by year4

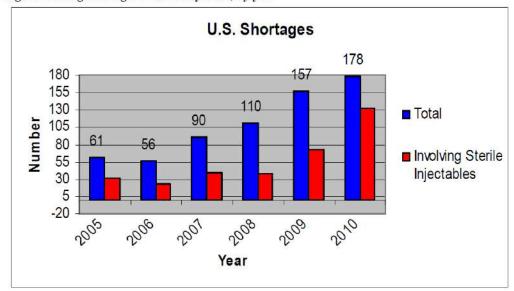
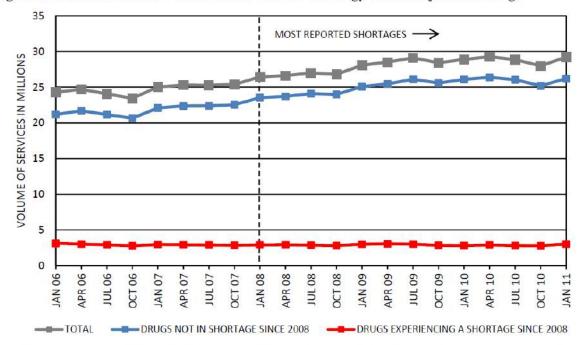


Figure 2: Medicare Part B Volume of Services of Oncology Sterile Injectable Drugs



Note: The graph is restricted to the J9000-J9999 series of HCPCS codes with greater than 100 services in Q1 2006 and an average of more than 1,000 services annually.

Table 1: Annual Change in Medicare Part B Volume of Services of Oncology Sterile Injectable Drugs

	Drugs Experiencing a Shortage since 2008 (n = 44)				Drug	Drugs not in Shortage since 2008 (n = 28)			
	Number	Change in Volume of Services over Period			Number	Change in Volume of Services over Period			
Period	of Drugs	Mean	Median	Std. Dev.	of Drugs	Mean	Median	Std. Dev.	
Q1 2006 to Q1 2008	44	-6.9%	-5.6%	29.6	28	11.2%	4.8%	40.5	
Q1 2008 to Q1 2011	44	-2.0%	-7.6%	200.5	28	10.5%	-2.3%	59.1	
Q1 2006 to Q1 2011	44	-3.0%	-16.2%	184.3	28	23.8%	-5.4%	61.7	

Note: The table is restricted to the J9000-J9999 series of HCPCS codes with greater than 100 services in Q1 2006 and an average of more than 1,000 services annually. Mean and median changes are weighted by volume of services in Q1 2006.

Table 2: Annual Change in Price of Oncology Sterile Injectable Drugs

	Drugs Experiencing a Shortage since 2008				Drug	gs not in Shortage since 2008			
	(n = 44)			(n = 28)					
	Number	Change in Price over Period			Number	Change in Price over Period			
Period	of Drugs	Mean	Median	Std. Dev.	of Drugs	Mean	Median	Std. Dev.	
Q1 2006 to Q1 2008	44	-26.5%	-21.4%	19.1	28	0.6%	2.5%	10.9	
Q1 2008 to Q1 2011	44	-6.3%	-19.4%	113.7	28	2.6%	0.5%	32.0	
Q1 2006 to Q1 2011	44	-27.4%	-49.1%	94.4	28	3.2%	0.3%	24.4	

Note: The table is restricted to the J9000-J9999 series of HCPCS codes with greater than 100 services in Q1 2006 and an average of more than 1,000 services annually. Mean and median changes are weighted by volume of services in Q1 2006. Changes in price are based on prices in 2011 dollars.

It is expensive to hold capacity ready to make a drug and yet earn no sales from that capacity the vast majority of the time. In our current system this cost would fall on the generic drug firm that chose to build excess capacity or dual source; it would have high costs relative to its competitors. Clearly, in a competitive market, which the generic drug industry is, no firm will choose this route unless it receives a higher price in the market or other compensation.

#### Meanwhile...

#### **Number of New FDA-Approved Cancer Drugs**

**2017**: 6

**2016: 11** 

**2015: 21** 

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