

MICHIGAN HEALTH POLICY FORUM

MARCH 20, 2019

Timothy Antonelli, R.Ph. Manager, Pharmacy Policy, Health Reform & Strategic Programs Blue Cross Blue Shield of Michigan

CONFIDENTIAL AND PROPRIETARY

Any use of this material without specific permission is strictly prohibited

Agenda



- About BCBSM
- Prescription drug overview
- Patents and exclusivity periods
- Manufacturer strategies to prevent competition
- Generics and biosimilars
- Manufacturer drug pricing
- Health plans

About Blue Cross Blue Shield of Michigan







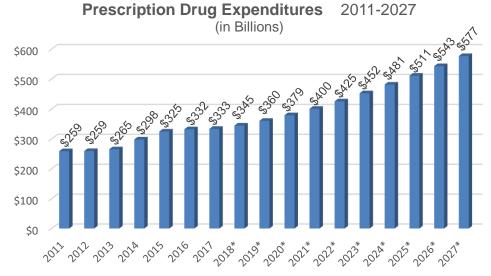
- A <u>nonprofit mutual insurance</u> company founded in 1939
- The largest nonprofit mutual health insurer in Michigan, serving 6.1 million people nationwide
- Headquartered in Detroit, with more than 8,100
 Michigan employees across the state
 - A large IT employer, with more than 1,000 tech employees
- As part of our commitment to the state, Blue Cross moved a majority of employees to the core cities of Detroit, Grand Rapids and Lansing

- Nearly 100 million health care claims processed in 2017, with an average claims expense of \$63 million per day.
- 28.7 million prescriptions processed in 2018 totaling over \$3.4 billion.

Prescription Drug Overview

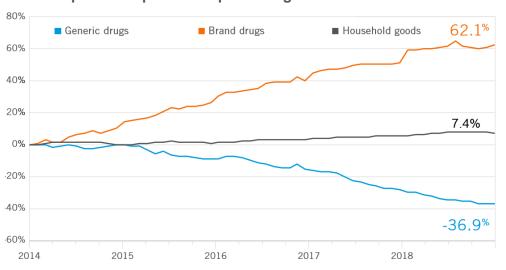


- Prescription drug expenditures continue to increase
- CMS forecasts expenditures to accelerate over 2018-2027 and average 5.6%
- An influx of new and expensive innovative drugs into the market will help drive this trend



Source: CMS Office of the Actuary; Projections of National Health Expenditures - February 2019

Express Scripts Prescription Drug Price Index 2014-2018

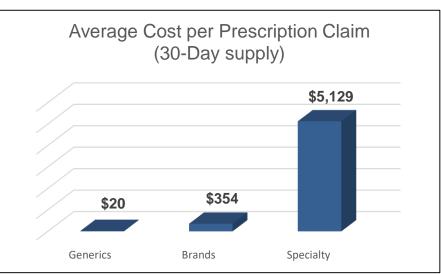


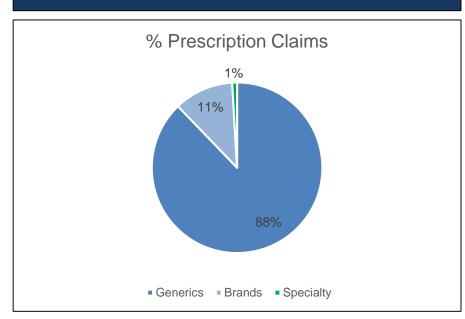
- The most commonly used brand drugs experienced a list price inflation of 62.1%
- The most commonly used generic drugs price declined 36.9%
- The most commonly used household goods rose 7.4%

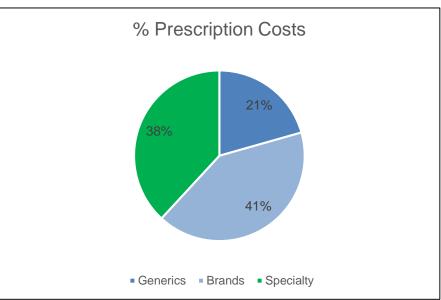
Source: Express Scripts 2018 Prescription Drug Trend Report



- Generics account for 88% of claims and 21% of costs
- Brand name medications account for 11% of claims and 41% of costs
- Specialty medications account for 1% of claims and account for 38% of costs







Source: BCBSM 2018 claims experience



Twelve of the Most Expensive Drugs in 2018

Drug	Cost per patient per year*	Benefit	Condition	Company
Luxturna™	\$850	000 Medical	Genetic retinal disease	Spark
Exondys 51 TM	\$800,	000 ¹ Medical	Duchenne muscular dystrophy	Sarepta
Ravicti [®]	\$790,	000 Pharmacy	Urea cycle disorder	Horizon
Spinraza [®]	\$750 ,	000 ² Medical	Spinal muscular atrophy	Biogen
Brineura™	\$702,	000 Medical	CLN2 disease	BioMarin
Soliris [®]	\$540 ,	000 Medical	Paroxysmal nocturnal hemoglobinuria	Alexion
Hemlibra [®]	\$500,	000 Medical	Hemophilia	Genentech
Kymriah [®] Yescarta [®] (CAR-T)	\$373, \$475,		Cancer	Gilead, Novartis
Vitrakvi®	\$393,	000 Pharmacy	Cancer	Bayer
Cuprimine [®]	\$380,	000 Pharmacy	Wilson's disease	Valeant
Kalydeco [®]	\$307,	000 Pharmacy	Cystic fibrosis	Vertex

^{*}Annual costs estimates are based on wholesale acquisition cost (WAC), average dosing and rounded; Luxturna™ and CAR-T are given as one-time treatments ¹Based on average weight; costs could exceed \$1 million per patient per year

²For first year, then \$375,000 annually

³Yescarta[®] and Kymriah[®] drug costs; total medical costs could exceed \$1 million

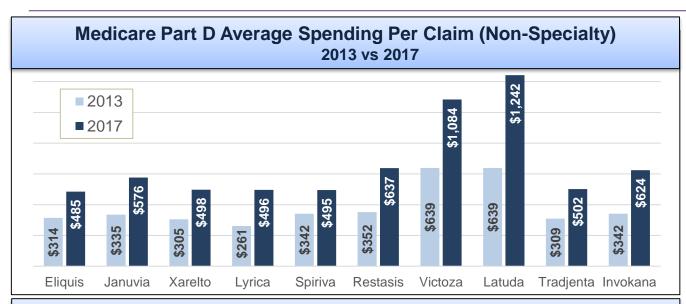


New Cancer Medications Approved in 2018

(Average cost per year or course of treatment is \$185,000)

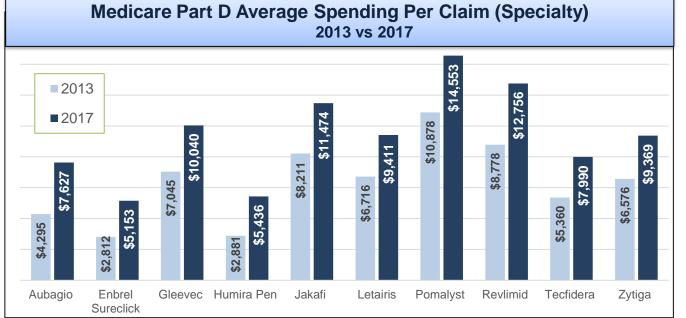
Drug Name	Manufacturer	Approval Date	Route	Estimated Monthly Cost	Estimated Annual/Course of Treatment Cost
Copiktra (duvelisib)	Verastem	September 2018	Oral	\$15,120	\$181,440
Erleada (apalutamide)	Janssen Oncology	February 2018	Oral	\$11,409	\$136,908
Libtayo (cemiplimab-rwlc)	Regeneron Pharmaceuticals	September 2018	Intravenous	\$9,100	\$109,200
Lorbrena (Iorlatinib)	Pfizer	November 2018	Oral	\$19,260	\$231,120
Lumoxiti (moxetumomab pasudotox-tdf)	AstraZeneca	September 2018	Intravenous	\$22,500	\$135,000
Lutathera (lutetium Lu 177 dotatate)	Advanced Accelerator Applications	January 2018	Intravenous	\$47,500	\$190,000
Talzenna (talazoparib)	Pfizer	October 2018	Oral	\$17,490	\$209,980
Vizimpro (dacomitinib)	Pfizer	September 2018	Oral	\$14,880	\$178,560
Vitrakvi (larotrectinib)	Loxo Oncology	November 2018	Oral	\$32,800	\$393,000





Price Increases*

- Average annual growth rate was 12.3% for these 10 drugs
- Total spending on these drugs increased from \$6.1B to \$17.3B



- Average annual growth rate was 11.6% for these 10 drugs
- Total spending on these drugs increased from \$4.3B to \$11.4B

Source: Medicare Part D Drug Spending Dashboard, March 2019, available online @ www.cms.gov

*Represents gross drug costs

Patents and Exclusivity Periods



Patent: is a property right granted by the US Patent and Trademark Office anytime during the development of a drug. Patents protect a drug manufacturer's invention and prevent other manufacturers from marketing products covered by the patent, among other things. A patent term is **20 years** from the date of filing.

Exclusivity: is a period of time when a brand-name drug is protected from generic drug competition. There are different exclusivities for different situations. Exclusivity is designed to promote a balance between new drug innovation and generic and biosimilar drug competition.

Drugs

- Orphan Drug 7 years
- New Chemical Entity –5 years
- Generating Antibiotic
 Incentives Now (GAIN) –
 5 years
- New Clinical Investigation- 3 years
- Pediatric Exclusivity 6
 months added exclusivity

Biologics

Market exclusivity –12 years

No application for a biosimilar may be approved

Data Exclusivity –4 years

No application for a biosimilar may be submitted to FDA

Generics/Biosimilars

- Generic Drug Exclusivity –0.5 years
- Interchangeable
 Biosimilar Exclusivity –
 1 3.5 years

Patents and Exclusivity Periods (continued)



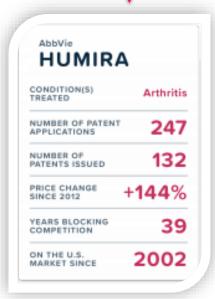
Analysis of the twelve best selling drugs in the US in 2017 revealed the following:

- Averaged 71 patents issued
- Averaged 15 years on the market
- Average list prices increased 68% since 2012

Source: I-MAK Overpatented, Overpriced: How Excessive Pharmaceutical Patenting is Extending Monopolies and Driving up Drug Prices. Available online @ www.i-mak.org

Top 12 grossing drugs of 2017

NUMBER OF PATENT APPLICATIONS	AVG/DRUG	1498	RANGE 48-247
PATENTS ISSUED	71	848	27–132
PRICE CHANGE SINCE 2012	+68%	N/A	-58%–163%
YEARS BLOCKING COMPETITION	38	456	31–48
YEARS ON THE U.S. MARKET	15	176	6–21



Amgen ENBREL	
CONDITION(S) TREATED	Arthritis
NUMBER OF PATENT APPLICATIONS	57
NUMBER OF PATENTS ISSUED	41
PRICE CHANGE SINCE 2012	+155%
YEARS BLOCKING COMPETITION	39
ON THE U.S. MARKET SINCE	1998

CONDITION(S) TREATED	Pain
NUMBER OF PATENT APPLICATIONS	118
NUMBER OF PATENTS ISSUED	68
PRICE CHANGE SINCE 2012	+163%
YEARS BLOCKING COMPETITION	32

Johnson&Johnson	
CONDITION(S) TREATED	Blood Clots
NUMBER OF PATENT APPLICATIONS	49
NUMBER OF PATENTS ISSUED	30
PRICE CHANGE SINCE 2012	+87%
YEARS BLOCKING COMPETITION	31
ON THE U.S. MARKET SINCE	2011

Manufacturer Strategies to Prevent Competition



Sovereign Immunity

- Allergen transferred patents for Restasis to the St. Regis Mohawk Tribe in 2017
- St. Regis Mohawk Tribe exclusively licensed the rights back to Allergan
- Intent was to invoke sovereign immunity to dismiss patent challenges filed by generic makers
- US Supreme petitioned to hear Allergan's case

Pay for Delay

- Settlements between brand and generic drug makers to delay generic competition
- Supreme Court affirmed that settlements where brand manufacturers pay generics to settle patent litigation and delay entering the market could have "significant anticompetitive effects" and violate the antitrust laws (Actavis vs FTC 2013)

REMS*

- Intended to help ensure that new drug benefits outweigh their risks
- Brand manufacturers have used REMS to block potential generic applicants from accessing product samples needed to create a generic or biosimilar
- FDA publishes a list of manufacturers potentially blocking samples (Current list published 2/7/19)

Citizen Petitions**

- Intended to allow citizens to raise concerns on FDA policy
- Brand manufacturers have used to raise frivolous/questionable claims to prevent competition
- Roughly 40% filed a year or less before generic approval
- FDA denies the requested action for approximately 80% of petitions filed by drug companies

^{*} Risk Evaluation and Mitigation Strategy (REMS)

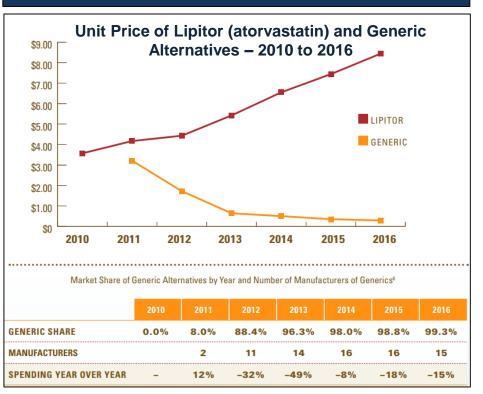
^{**} Feldman R, A Citizen's Pathway Gone Astray — Delaying Competition from Generic Drugs, N Engl J Med. 2017 Apr 20;376(16):1499-1501. doi: 10.1056/NEJMp1700202. Epub 2017 Mar 1

Generics and Biosimilars



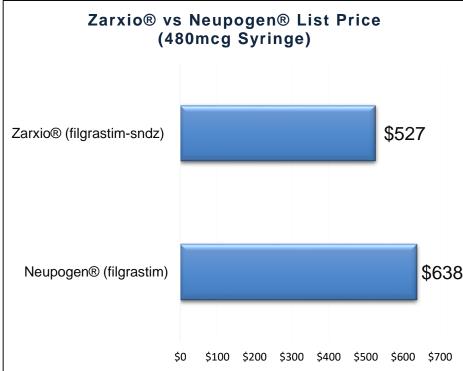
Generics

- Create competition
- Result in cost savings
- Example: Lipitor generics resulted unit cost to decrease below \$1 from >\$4



Biosimilars

- Create competition
- Result in cost savings
- Example: First biosimilar approved and marketed in the US is **17.4%** below innovator price



Source: BCBSA Health of America: Rising costs for patented drugs drive growth of pharmaceutical spending in the U.S. Available online @ www.bcbs.com

Marketing and Drug Coupons



Marketing

- Medical marketing increased from \$17.7B in 1998 to \$29.9B in 2016
- DTC advertising accounted for the largest growth

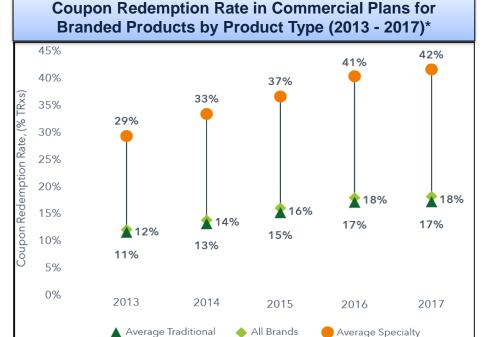
Medical Marketing in the US (1997 vs 2016)* Laboratory testing Health services 30 Disease awareness Prescription drugs Annual US Spending, \$ Billions 15 10 1997 2016 1997 2016 1997 2016 Total Marketing Direct to Consumer Professional

*Does not include spending on coupons, online promotion, and meetings.

Source: Schwartz LM, Woloshin S. Medical marketing in the United States, 1997-2016 [published January 8, 2019]. JAMA. doi:10.1001/jama.2019.19320

Drug Coupons

 Coupon use has reached 18% of all branded prescriptions filled under commercial plans and 42% of specialty prescriptions



*Coupon penetration rate is based on commercially insured patients only, cash patients are excluded and Medicare/Medicaid are precluded by law from the use of coupons. Specialty therapy areas have significant volume through mail-order pharmacies, which are not included in this analysis.

Report: Medicine Use and Spending in the U.S.: A Review of 2017 and Outlook to 2022, Apr 2018

Source: IQVIA Formulary Impact Analyzer (FIA), Jan 2018

Manufacturer Drug Pricing



- Pharmaceutical Manufacturers set list prices for prescription drugs
- PhRMA reports that on average it takes 10 years and \$2.6B to bring a new drug to market
- Discounts and rebates attained by others in the supply chain contribute to reduced net prices
 - Government discounts, PBM negotiated rebates, patient coupons, wholesaler and pharmacy discounts
- Manufacturers can raise prices whenever they want....and they do....
- Actions by pharmaceutical manufacturers, new high priced medications, steady price increases on existing products and investigations have raised questions about what really goes into drug pricing.
 - Senate Finance Committee Investigation into Gilead's pricing of Sovaldi for Hepatitis C revealed a pricing and marketing strategy designed to maximize revenue with little concern for access or affordability.*

Drug Companies Greet 2019 with U.S. Price Hikes

Michael Erman JANUARY 2, 2019

NEW YORK (Reuters) - Drugmakers kicked off 2019 with price increases in the United States on more than 250 prescription drugs, including the world's top-selling medicine, Humira, although the pace of price hikes was slower than last year.

Source: Reuters. Available online @ www.reuters.com

Prescription Drug Costs Driven By Manufacturer Price Hikes, Not Innovation

Health news from NPR - Alison Kodjak January 7, 20195:04 PM ET

The skyrocketing cost of many prescription drugs in the U.S. can be blamed primarily on price increases, not expensive new therapies or improvements in existing medications as drug companies frequently claim, a new study shows.

Source: NPR. Available online @ www.NPR.com

^{*} Senate Finance Committee, The Price Of Sovaldi and Its Impact On The U.S. Health Care System December 2015. Available online @ www.finance.senate.gov

Health Plans





Prescription Drug Benefits

- Coverage of prescription medications
- Access to a nationwide network of pharmacies
- Preventive medications at \$0 cost
- Real-time drug pricing information
- Etc...



Member Protections

- Minimum loss ratio
- Out of pocket maximums

- Drug safety programs
- Etc...



Regulatory Compliance

- Network adequacy
- Drug formulary coverage standards
- Utilization management standards
- Etc...



Pharmacy Benefit Manager Contracting

- Claims processing
- Pharmacy networks

- Negotiate prescription drug rebates
- Etc...



Would knowing more about how pharmaceutical manufacturers price their medications be helpful?

