

TECHNICAL APPENDIX: A PERSPECTIVE ON PRESCRIPTION DRUG COPAYMENT COUPONS

METHODS FOR DETERMINING COPAY COUPON STATUS

The copay coupon information comes from www.internetdrugcoupons.com (IDC). These data are available with a consistent format from June 2007 to October 2014; the current analysis was based on 2014 data. To retrieve past webpages of this website, we used an internet archive engine called “The Wayback Machine” (IA) (<https://archive.org/>).

Drugs were classified as “couponed” or “not-couponed” in two steps: First, we collected snapshots of the front pages of the IDC website captured by the IA. All drugs appearing on the front page for at least six of the ten available months of 2014 were initially classified as “fp-couponed.” Of the 200 drugs selected for the study, 100 were classified as “fp-couponed” and were subjected to a second step – searching the IA for the manufacturer coupon in 2014.

For each drug, the IDC front page contained links to a drug-specific page (IDC drug page), which listed all offers for the drug, and included a link to the manufacturer’s coupon (when available). The manufacturer’s coupon link was followed to the manufacturer’s website, and coupon details were recorded and used to characterize the coupons. To ensure that any coupon offer extended over a sufficiently long period during 2014, the manufacturer coupons were tracked three times for each drug, starting from different IDC front page snapshot dates. We required the front page snapshots to be from different months of 2014, spaced throughout the year as much as possible. The URLs and date of snapshot were recorded for all three webpage snapshots (IDC front page, IDC drug page, manufacturer) and a pdf version of the manufacturer’s webpage was saved. This process was straightforward for 68 of the 100 “fp-couponed” drugs; once confirmed by the manufacturer’s coupons, they were classified as “couponed.”

For 22 “fp-couponed” drugs, the links to the manufacturer coupons were not operational at the time of the search (hyperlinks on the IDC drug page were either broken or led to a blank page or to an error message), but other evidence (such as the manufacturer coupon details found on the IDC drug page) suggested that the manufacturer coupons were likely to have been publicly available in 2014.¹ These drugs were classified as “couponed”² and coupon details were collected from the front page snapshots.

¹ In cases where manufacturer webpage snapshots did not exist in 2014, if there were snapshots before or after 2014 with consistent information regarding a manufacturer coupon, we concluded that a manufacturer coupon most likely had also been accessible to consumers in 2014.

² Drugs where this was the case were Avodart, Benicar, Betaseron, Bydureon, Byetta, Creon, Effient, Gleevec, Isentress, Kombiglyze Xr, Lumigan, Multaq, Nasonex, Nexavar, Onglyza, Prezista, Tamiflu, Tassigna, Tracleer, Vyvanse, Xarelto, and Zytiga.

On six “fp-couponed” drugs,³ the second-stage search revealed offers for free trials rather than coupons. For the remaining four “fp-couponed” drugs, we did not find sufficient evidence of three active manufacturer coupons in 2014.⁴ These 10 drugs were classified as “not-couponed.”

METHODS FOR CLASSIFYING DRUGS’ GENERIC STATUS

To determine the generic status of a drug in 2014 (single-source brand (SS), multi-source brand (MS), transitioning from single-source to multi-source brand (SS to MS), or generic), we used First Data Bank’s (FDB) product naming indicator (gni) to determine if each National Drug Code (NDC) in our sample was for a generically named product (gni=1) or for a brand-named product (gni=2); those with gni=1 were given the status of generic. NDCs associated with brand-named products (gni=2) required further analysis to determine if a generic version was available at any time during 2014.

For each of these NDCs, we identified their associated generic name using FDB’s gnn60 variable. We then identified all NDCs with the same gnn60 and an Abbreviated New Drug Application (ANDA) status indicator = 1 as generic versions of the same drug.⁵

For a given drug (gnn60), if a generic version was added to FDB’s NDC table, we flagged the earliest year of generic entry. Since FDB sometimes introduces NDCs for products before they are commercially available, we validated the year of generic entry using Medicare Part D claims to ensure that claims for the generic NDC existed in that year.

Brand name NDCs with a generic version first available in 2013 or earlier were classified as multi-source brand (MS) in 2014, and brand name NDCs with no generic version available before 2015 were classified as single-source brand (SS) in 2014. NDCs with a generic version first appearing in 2014 were classified as transitioning from single-source to multi-source (SS to MS) in 2014. Because our Medicare claims data were only available through 2013 at the time of the analysis, we confirmed through internet search that drugs classified as SS to MS in 2014 did indeed have a generic equivalent introduced in 2014.

Read the full whitepaper: http://healthpolicy.usc.edu/Prescription_Drug_Copayment_Coupon_Landscape.aspx

³ This was the case for Ampyra, Avonex, Cialis, Evista, Strattera and Symbicort.

⁴ This was the case for Humalog, Lantus, Simponi and Vimpat.

⁵ An Abbreviated New Drug Application (ANDA) is a written request to the U.S. FDA to manufacture and market a generic drug in the United States.

DATA TABLES

Table 1A: Top 200 drugs by 2014 spending in Optum Clinformatics DataMart sorted by copay coupon, generic status and average cost per script in Medicare Part D

DRUGS WITHOUT COPAY COUPONS

N	Brand Name	Generic Name	Medicare Part D Average Cost per Script	Generic Status	N	Brand Name	Generic Name	Medicare Part D Average Cost per Script	Generic Status
1	--	budesonide ec	\$ 880.95	G	47	--	hydrocodone-acetaminophen	\$ 20.22	G
2	--	modafinil	\$ 708.80	G	48	--	fluticasone propionate	\$ 19.73	G
3	--	enoxaparin sodium	\$ 507.96	G	49	--	losartan-hydrochlorothiazide	\$ 17.48	G
4	--	budesonide	\$ 301.94	G	50	--	levothyroxine sodium	\$ 16.75	G
5	--	tacrolimus	\$ 284.12	G	51	--	omeprazole	\$ 16.02	G
6	--	lidocaine	\$ 243.64	G	52	--	amox tr-potassium clavulanate	\$ 15.61	G
7	--	divalproex sodium er	\$ 179.78	G	53	--	pantoprazole sodium	\$ 15.59	G
8	--	methylphenidate er	\$ 166.38	G	54	--	losartan potassium	\$ 14.33	G
9	--	fentanyl	\$ 122.68	G	55	--	fluoxetine hcl	\$ 14.22	G
10	--	morphine sulfate er	\$ 96.81	G	56	--	lovastatin	\$ 13.95	G
11	--	fenofibric acid	\$ 93.22	G	57	--	enalapril maleate	\$ 13.66	G
12	--	clobetasol propionate	\$ 85.67	G	58	--	sertraline hcl	\$ 10.80	G
13	--	doxycycline hyclate	\$ 78.07	G	59	--	warfarin sodium	\$ 10.33	G
14	--	amphetamine salt combo	\$ 63.30	G	60	--	glimperide	\$ 10.25	G
15	--	oxybutynin chloride er	\$ 62.75	G	61	--	simvastatin	\$ 10.17	G
16	--	potassium chloride	\$ 61.24	G	62	--	carvedilol	\$ 10.02	G
17	--	valsartan-hydrochlorothiazide	\$ 60.48	G	63	--	azithromycin	\$ 9.63	G
18	--	fenofibrate	\$ 57.20	G	64	--	tramadol hcl	\$ 8.80	G
19	--	amlodipine besylate-benzepri	\$ 56.83	G	65	--	metformin hcl	\$ 8.69	G
20	--	valacyclovir	\$ 54.53	G	66	--	amlodipine besylate	\$ 8.36	G
21	--	quetiapine fumarate	\$ 53.38	G	67	--	zolpidem tartrate	\$ 7.88	G
22	--	sumatriptan succinate	\$ 53.21	G	68	--	lisinopril	\$ 7.36	G
23	--	oxycodone hcl-acetaminophen	\$ 50.60	G	69	Subsys	fentanyl	\$ 7,982.41	MS
24	--	oxycodone-acetaminophen	\$ 50.60	G	70	Valcyte	valganciclovir hcl	\$ 2,960.89	MS*
25	--	nifedipine er	\$ 46.39	G	71	Opana Er	oxymorphone hcl	\$ 549.22	MS
26	--	diclofenac sodium	\$ 46.34	G	72	Oxycontin	oxycodone hcl	\$ 500.81	MS
27	--	oxycodone hcl	\$ 46.31	G	73	Adderall Xr	dextroamphetamine/amphetamine	\$ 352.76	MS
28	--	diltiazem 24hr cd	\$ 45.69	G	74	Concerta	methylphenidate hcl	\$ 344.55	MS
29	--	diltiazem 24hr er	\$ 44.35	G	75	Combivent Respimat	ipratropium/albuterol sulfate	\$ 330.53	MS
30	--	bupropion xl	\$ 41.22	G	76	Evista	raloxifene hcl	\$ 304.32	MS*
31	--	venlafaxine hcl er	\$ 39.21	G	77	Actonel	risedronate sodium	\$ 303.40	MS*
32	--	metoprolol succinate	\$ 38.57	G	78	Flovent Hfa	fluticasone propionate	\$ 256.72	MS
33	--	cefdinir	\$ 37.45	G	79	Proair Hfa	albuterol sulfate	\$ 58.45	MS
34	--	flurbiprofen	\$ 36.58	G	80	Ventolin Hfa	albuterol sulfate	\$ 52.52	MS
35	--	tizanidine hcl	\$ 32.24	G	81	Revlimid	lenalidomide	\$ 9,371.29	SS
36	--	bupropion hcl sr	\$ 30.77	G	82	Jakafi	ruxolitinib phosphate	\$ 9,099.83	SS
37	--	pravastatin sodium	\$ 30.50	G	83	Gammagard Liquid	immune globulin,gamma(igg)	\$ 8,949.83	SS
38	--	metformin hcl er	\$ 29.60	G	84	Xtandi	enzalutamide	\$ 8,286.61	SS
39	--	montelukast sodium	\$ 28.60	G	85	Xyrem	sodium oxybate	\$ 8,229.06	SS
40	--	donepezil hcl	\$ 24.19	G	86	Sutent	sunitinib malate	\$ 7,891.76	SS
41	--	tamsulosin hcl	\$ 23.19	G	87	Aubagio	teriflunomide	\$ 5,439.31	SS
42	--	atorvastatin calcium	\$ 22.93	G	88	Avonex Pen	interferon beta-1a	\$ 5,217.71	SS
43	--	clopidogrel	\$ 22.46	G	89	Avonex	interferon beta-1a	\$ 5,127.84	SS
44	--	gabapentin	\$ 22.24	G	90	Simponi	golimumab	\$ 3,443.66	SS
45	--	escitalopram oxalate	\$ 21.17	G	91	Nutropin Aq Nuspin	somatropin	\$ 2,301.73	SS
46	--	baclofen	\$ 20.33	G	92	Ampyra	dalfampridine	\$ 2,009.92	SS

Table 1A (continued): Top 200 drugs by 2014 spending in Optum Clinformatics DataMart sorted by copay coupon, generic status and average cost per script in Medicare Part D

**DRUGS WITHOUT COPAY COUPONS
(cont'd.)**

N	Brand Name	Generic Name	Medicare Part D Average Cost per Script	Generic Status
93	Victoza 3-Pak	liraglutide	\$ 744.18	SS
94	Vimpat	lacosamide	\$ 597.23	SS
95	Humalog Mix 75-25	insulin npl/insulin lispro	\$ 495.95	SS
96	Lantus Solostar	insulin glargine,hum.rec.anlog	\$ 428.85	SS
97	Lantus	insulin glargine,hum.rec.anlog	\$ 428.85	SS
98	Janumet	sitagliptin phos/metformin hcl	\$ 394.61	SS
99	Advair Hfa	fluticasone/salmeterol	\$ 381.00	SS
100	Spiriva	tiotropium bromide	\$ 368.78	SS
101	Humalog	insulin lispro	\$ 338.41	SS
102	Strattera	atomoxetine hcl	\$ 332.13	SS
103	Symbicort	budesonide/formoterol fumarate	\$ 299.42	SS
104	Namenda	memantine hcl	\$ 262.48	SS
105	Benicar Hct	olmesartan/hydrochlorothiazide	\$ 230.60	SS
106	Cialis	tadalafil	\$ 210.38	SS
107	Zostavax	zoster vaccine live/pf	\$ 195.01	SS
108	Qvar	beclomethasone dipropionate	\$ 176.53	SS
109	Humulin R	insulin regular, human	\$ 133.47	SS
110	Bystolic	nebivolol hcl	\$ 130.15	SS

Table 1A (continued): Top 200 drugs by 2014 spending in Optum Clinformatics DataMart sorted by copay coupon, generic status and average cost per script in Medicare Part D

DRUGS WITH COPAY COUPONS

N	Brand Name	Generic Name	Medicare Part D Average Cost per Script	Generic Status	N	Brand Name	Generic Name	Medicare Part D Average Cost per Script	Generic Status
111	Solodyn	minocycline hcl	\$ 1,162.74	MS	156	Prezista	darunavir ethanolate	\$ 1,211.06	SS
112	Renvela	sevelamer carbonate	\$ 1,006.30	MS*	157	Isentress	raltegravir potassium	\$ 1,186.45	SS
113	Lialda	mesalamine	\$ 703.52	MS	158	Epzicom	abacavir sulfate/lamivudine	\$ 1,156.01	SS
114	Oracea	doxycycline monohydrate	\$ 628.52	MS	159	Sensipar	cinacalcet hcl	\$ 940.50	SS
115	Seroquel XR	quetiapine fumarate	\$ 596.68	MS	160	Viread	tenofovir disoproxil fumarate	\$ 869.11	SS
116	Testim	testosterone	\$ 562.65	MS*	161	Abilify	aripiprazole	\$ 852.65	SS
117	Restasis	cyclosporine	\$ 409.75	MS	162	Latuda	lurasidone hcl	\$ 784.98	SS
118	Lunesta	eszopiclone	\$ 358.23	MS*	163	Androgel	testosterone	\$ 584.26	SS
119	Epipen 2-Pak	epinephrine	\$ 357.16	MS	164	Nuvigil	armodafinil	\$ 576.56	SS
120	Niaspan	niacin	\$ 345.55	MS	165	Byetta	exenatide	\$ 575.46	SS
121	Suboxone	buprenorphine hcl/naloxone hcl	\$ 321.03	MS	166	Creon	lipase/protease/amyase	\$ 571.91	SS
122	Celebrex	celecoxib	\$ 317.24	MS*	167	Bydureon	exenatide microspheres	\$ 549.00	SS
123	Vesicare	solifenacin succinate	\$ 279.17	MS*	168	Multaq	dronedaron hcl	\$ 493.17	SS
124	Lovaza	omega-3 acid ethyl esters	\$ 245.58	MS*	169	Victoza 2-Pak	liraglutide	\$ 441.06	SS
125	Diovan	valsartan	\$ 222.95	MS*	170	Welchol	colessevelam hcl	\$ 425.02	SS
126	Nasonex	mometasone furoate	\$ 199.13	MS	171	Januvia	sitagliptin phosphate	\$ 394.82	SS
127	Viagra	sildenafil citrate	\$ 141.56	MS	172	Levemir	insulin detemir	\$ 390.46	SS
128	Voltaren	diclofenac sodium	\$ 79.85	MS	173	Onglyza	saxagliptin hcl	\$ 389.60	SS
129	Synthroid	levothyroxine sodium	\$ 39.22	MS	174	Pradaxa	dabigatran etexilate mesylate	\$ 387.22	SS
130	Stelara	ustekinumab	\$ 11,166.40	SS	175	Aggrenox	aspirin/dipyridamole	\$ 385.72	SS
131	Afinitor	everolimus	\$ 9,794.98	SS	176	Exelon	rivastigmine	\$ 383.48	SS
132	Nexavar	sorafenib tosylate	\$ 8,749.05	SS	177	Kombiglyze XR	saxagliptin hcl/metformin hcl	\$ 381.09	SS
133	Gleevec	imatinib mesylate	\$ 8,416.54	SS	178	Advair Diskus	fluticasone/salmeterol	\$ 373.53	SS
134	Sprycel	dasatinib	\$ 8,315.81	SS	179	Tradjenta	linagliptin	\$ 372.22	SS
135	Tasigna	nilotinib hcl	\$ 7,956.52	SS	180	Ranexa	ranolazine	\$ 370.54	SS
136	Tracleer	bosentan	\$ 7,614.38	SS	181	Nexium	esomeprazole magnesium	\$ 352.90	SS
137	Letairis	ambrisentan	\$ 7,199.94	SS	182	Effient	prasugrel hcl	\$ 351.89	SS
138	Zytiga	abiraterone acetate	\$ 7,180.92	SS	183	Xarelto	rivaroxaban	\$ 344.93	SS
139	Tarceva	erlotinib hcl	\$ 6,039.17	SS	184	Novolog	insulin aspart	\$ 335.37	SS
140	Gilenya	fingolimod hcl	\$ 5,850.82	SS	185	Lyrica	pregabalin	\$ 313.01	SS
141	Copaxone	glatiramer acetate	\$ 5,401.87	SS	186	Vytorin	ezetimibe/simvastatin	\$ 307.22	SS
142	Betaseron	interferon beta-1b	\$ 5,342.08	SS	187	Dulera	mometasone/formoterol	\$ 293.99	SS
143	Rebif	interferon beta-1a/albumin	\$ 5,182.89	SS	188	Zetia	ezetimibe	\$ 290.08	SS
144	Cimzia	certolizumab pegol	\$ 3,576.56	SS	189	Crestor	rosuvastatin calcium	\$ 280.34	SS
145	Humira	adalimumab	\$ 3,422.17	SS	190	Pristiq ER	desvenlafaxine succinate	\$ 253.98	SS
146	Enbrel	etanercept	\$ 3,193.17	SS	191	Dexilant	dexlansoprazole	\$ 234.03	SS
147	Saizen	somatropin	\$ 3,136.79	SS	192	Vyvanse	lisdexamfetamine dimesylate	\$ 228.08	SS
148	Orencia	abatacept/maltose	\$ 2,983.52	SS	193	Benicar	olmesartan medoxomil	\$ 215.65	SS
149	Stribild	elvitegr/cobicist/emtricitab/tenofovir	\$ 2,595.73	SS	194	Colcrys	colchicine	\$ 213.99	SS
150	Atripla	efavirenz/emtricitab/tenofovir	\$ 2,185.11	SS	195	Avodart	dutasteride	\$ 212.93	SS
151	Complera	emtricitab/rilpivirine/tenofovir	\$ 2,177.96	SS	196	Premarin	estrogens, conjugated	\$ 178.33	SS
152	Forteo	teriparatide	\$ 1,718.07	SS	197	Lumigan	bimatoprost	\$ 174.61	SS
153	Truvada	emtricitabine/tenofovir	\$ 1,343.33	SS	198	Travatan Z	travoprost	\$ 158.11	SS
154	Xifaxan	rifaximin	\$ 1,275.23	SS	199	Nuvaring	etonogestrel/ethinyl estradiol	\$ 133.83	SS
155	Reyataz	atazanavir sulfate	\$ 1,242.07	SS	200	Tamiflu	oseltamivir phosphate	\$ 122.34	SS

Notes:

1. Codes for Generic Status- G: Generic Drug; SS: Single-Source Drug; MS: Multi-source Drug; MS*: SS to MS 2. For the following drugs, the drug name in the claims data differed slightly from that on the coupon: Exelon (name on claim)/Exelon Patch (name on coupon); Kombiglyze XR/Kombiglyze; Pristiq ER/Pristiq; Victoza 2-Pack/Victoza; Voltaren/Voltaren Gel 3. Medicare Part D average cost per script is calculated as Total costs/Total claims in 2014. Sources: De-identified Clinformatics® Data Mart (OptumInsight, Eden Prairie, MN), 2014; www.internetdrugcoupons.com; Medicare Part D Pharmacy claims 2013, and authors' calculations

Table 2A: Availability and price of close therapeutic substitutes for selected single sourced drugs with copay coupons

N	Brand Name	Generic Name	Medicare Part D Average Cost per Script	Brand Name of Lowest Priced Close Therapeutic Substitute (LPCTS)*	Medicare Part D Average Cost per Script of LCPTS	Average Cost per Script Drug/ Average Cost per Script LPCTS	Brand Name of Other Coupons CTS*
1	Abilify	aripiprazole	\$ 852.65	risperidone	\$ 19.50	43.74	
2	Advair Diskus	fluticasone/salmeterol	\$ 373.53	Dulera	\$ 293.99	1.27	
3	Aggrenox	aspirin/dipyridamole	\$ 385.72	clopidogrel	\$ 22.46	17.17	
4	Androgel	testosterone	\$ 584.26	testosterone cypionate	\$ 57.63	10.14	
5	Atripla	efavirenz/emtricitab/tenofovir	\$ 2,185.11	Prezista	\$ 1,211.06	1.80	
6	Avodart	dutasteride	\$ 212.93	finasteride	\$ 22.40	9.50	
7	Benicar	olmesartan medoxomil	\$ 215.65	losartan potassium	\$ 14.33	15.05	
8	Betaseron	interferon beta-1b	\$ 5,342.08	Extavia	\$ 4,116.20	1.30	
9	Bydureon	exenatide microspheres	\$ 549.00	Tanzeum	\$ 389.41	1.41	Victoza 2-Pak
10	Byetta	exenatide	\$ 575.46	Tanzeum	\$ 389.41	1.48	Victoza 2-Pak
11	Cimzia	certolizumab pegol	\$ 3,576.56	Enbrel	\$ 3,193.17	1.12	
12	Complera	emtricitab/rilpivirine/tenofov	\$ 2,177.96	Prezista	\$ 1,211.06	1.80	
13	Copaxone	glatiramer acetate	\$ 5,401.87	Aubagio	\$ 5,439.31	0.99	
14	Crestor	rosuvastatin calcium	\$ 280.34	simvastatin	\$ 10.17	27.57	
15	Dexilant	dexlansoprazole	\$ 234.03	pantoprazole sodium	\$ 15.59	15.01	
16	Dulera	mometasone/formoterol	\$ 293.99	Symbicort	\$ 299.42	0.98	Breo Ellipta
17	Effient	prasugrel hcl	\$ 351.89	clopidogrel	\$ 22.46	15.66	
18	Enbrel	etanercept	\$ 3,193.17	Orencia	\$ 2,983.52	1.07	
19	Epzicom	abacavir sulfate/lamivudine	\$ 1,156.01	zidovudine	\$ 45.13	25.61	
20	Exelon	rivastigmine	\$ 383.48	donepezil hcl	\$ 24.19	15.85	
21	Gilenya	fingolimod hcl	\$ 5,850.82	Extavia	\$ 4,116.20	1.42	
22	Gleevec	imatinib mesylate	\$ 8,416.54	Tasigna	\$ 7,956.52	1.06	
23	Humira	adalimumab	\$ 3,422.17	Orencia	\$ 2,983.52	1.15	
24	Isentress	raltegravir potassium	\$ 1,186.45	Tivicay	\$ 1,395.75	0.85	
25	Januvia	sitagliptin phosphate	\$ 394.82	Kazano	\$ 339.99	1.16	
26	Kombiglyze Xr	saxagliptin hcl/metformin hcl	\$ 381.09	Kazano	\$ 339.99	1.12	
27	Latuda	lurasidone hcl	\$ 784.98	risperidone	\$ 19.50	40.26	
28	Letairis	ambrisentan	\$ 7,199.94	Opsumit	\$ 7,131.32	1.01	Tracleer
29	Levemir	insulin detemir	\$ 390.46	Lantus/Lantus Solostar	\$ 428.85	0.91	
30	Lumigan	bimatoprost	\$ 174.61	latanoprost	\$ 17.73	9.85	
31	Lyrica	pregabalin	\$ 313.01	gabapentin	\$ 22.24	14.07	
32	Multaq	dronedarone hcl	\$ 493.17	amiodarone hcl	\$ 22.14	22.28	
33	Nexium	esomeprazole magnesium	\$ 352.90	pantoprazole sodium	\$ 15.59	22.63	
34	Novolog	insulin aspart	\$ 335.37	Humalog	\$ 338.41	0.99	Apidra
35	Nuvigil	armodafinil	\$ 576.56	modafinil	\$ 708.80	0.81	
36	Onglyza	saxagliptin hcl	\$ 389.60	Kazano	\$ 339.99	1.15	
37	Orencia	abatcept/maltose	\$ 2,983.52	Enbrel	\$ 3,193.17	0.93	
38	Pradaxa	dabigatran etexilate mesylate	\$ 387.22	Xarelto	\$ 344.93	1.12	
39	Premarin	estrogens, conjugated	\$ 178.33	estropipate	\$ 19.47	9.16	
40	Prezista	darunavir ethanolate	\$ 1,211.06	Complera	\$ 2,177.96	0.56	
41	Pristiq Er	desvenlafaxine succinate	\$ 253.98	venlafaxine hcl er	\$ 39.21	6.48	
42	Rebif	interferon beta-1a/albumin	\$ 5,182.89	Avonex	\$ 5,127.84	1.01	Betaseron
43	Reyataz	atazanavir sulfate	\$ 1,242.07	Norvir	\$ 344.47	3.61	Kaletra
44	Saizen	somatropin	\$ 3,136.79	prednisone	\$ 7.84	399.92	
45	Sprycel	dasatinib	\$ 8,315.81	Tasigna	\$ 7,956.52	1.05	
46	Stribild	elvitegr/cobicist/emtric/tenof	\$ 2,595.73	Prezista	\$ 1,211.06	2.14	
47	Tamiflu	oseltamivir phosphate	\$ 122.34	Relenza	\$ 67.24	1.82	
48	Tarceva	erlotinib hcl	\$ 6,039.17	Gilotrif	\$ 6,213.24	0.97	
49	Tasigna	nilotinib hcl	\$ 7,956.52	Sprycel	\$ 8,315.81	0.96	
50	Tracleer	bosentan	\$ 7,614.38	Opsumit	\$ 7,131.32	1.07	Letairis

Table 2A (continued): Availability and price of close therapeutic substitutes for selected single sourced drugs with copay coupons

N	Brand Name	Generic Name	Medicare Part D Average Cost per Script	Brand Name of Lowest Priced Close Therapeutic Substitute (LPCTS)*	Medicare Part D Average Cost per Script of LCPTS	Average Cost per Script Drug/ Average Cost per Script LPCTS	Brand Name of Other Coupons CTS*
51	Tradjenta	linagliptin	\$ 372.22	Kazano	\$ 339.99	1.09	
52	Travatan Z	travoprost	\$ 158.11	latanoprost	\$ 17.73	8.92	
53	Truvada	emtricitabine/tenofovir	\$ 1,343.33	zidovudine	\$ 45.13	29.76	
54	Victoza 2-Pak	liraglutide	\$ 441.06	Tanzeum	\$ 389.41	1.13	Bydureon
55	Viread	tenofovir disoproxil fumarate	\$ 869.11	zidovudine	\$ 45.13	19.26	
56	Vytorin	ezetimibe/simvastatin	\$ 307.22	simvastatin	\$ 10.17	30.21	
57	Vyvanse	lisdexamfetamine dimesylate	\$ 228.08	dextroamphetamine-amphetam.	\$ 63.30	3.60	
58	Welchol	colesevelam hcl	\$ 425.02	colestipol hcl	\$ 84.29	5.04	
59	Xarelto	rivaroxaban	\$ 344.93	Eliquis	\$ 353.14	0.98	
60	Zytiga	abiraterone acetate	\$ 7,180.92	Xtandi	\$ 8,286.61	0.87	
61	Afinitor	everolimus	\$ 9,794.98	N/A	\$ -	--	
62	Colcrys	colchicine	\$ 213.99	N/A	\$ -	--	
63	Creon	lipase/protease/amylase	\$ 571.91	N/A	\$ -	--	
64	Forteo	teriparatide	\$ 1,718.07	N/A	\$ -	--	
65	Nexavar	sorafenib tosylate	\$ 8,749.05	N/A	\$ -	--	
66	Nuvaring	etonogestrel/ethinyl estradiol	\$ 133.83	N/A	\$ -	--	
67	Ranexa	ranolazine	\$ 370.54	N/A	\$ -	--	
68	Sensipar	cinacalcet hcl	\$ 940.50	N/A	\$ -	--	
69	Stelara	ustekinumab	\$ 11,166.40	N/A	\$ -	--	
70	Xifaxan	rifaximin	\$ 1,275.23	N/A	\$ -	--	
71	Zetia	ezetimibe	\$ 290.08	N/A	\$ -	--	

Notes:

1. Capitalized names indicate branded therapies. *CTS drugs in **bold** were also couponed in 2014. 2. Medicare Part D average cost per script is calculated as Total costs/Total claims in 2014. See text for details on coupon status.

Sources: De-identified Clinformatics® Data Mart (OptumInsight, Eden Prairie, MN), 2014; www.internetdrugcoupons.com; Medicare Part D Pharmacy claims 2013, and authors' calculations