

ONLINE APPENDIX

“Private provision of social insurance: drug-specific price elasticities and cost sharing in Medicare Part D”

Liran Einav, Amy Finkelstein, and Maria Polyakova

May 2016

Classifying drugs to drug types and therapeutic classes

The claim data contain NDC11 codes, which are National Drug Codes assigned to each pharmaceutical substance by the US Food and Drug Administration. NDC11 codes identify very fine differences across drugs, including strength, dosage, package size, labeler, and pharmaceutical producer.

We define a “drug” by its chemical compound (what the FDA refers to as “non-proprietary names”) and whether it is branded or generic. We use publicly available data from the FDA (NDC Database File and Drugs@FDA Database, available at www.fda.gov/Drugs/InformationOnDrugs), to determine the main chemical that a given NDC11 code corresponds to (“non-proprietary name”), and whether a given NDC11 code stands for a branded or a generic medication. The “non-proprietary names” with a branded or generic indicator is what we refer to as a unique “drug” throughout the paper.

To define therapeutic classes, we link the NDC11 codes to the therapeutic class information from the American Hospital Formulary Service’s (AHFS) pharmacologic-therapeutic classification of the American Society of Health-System Pharmacists. We use AHFS 8-level classification that consists of a total of 256 therapeutic classes.

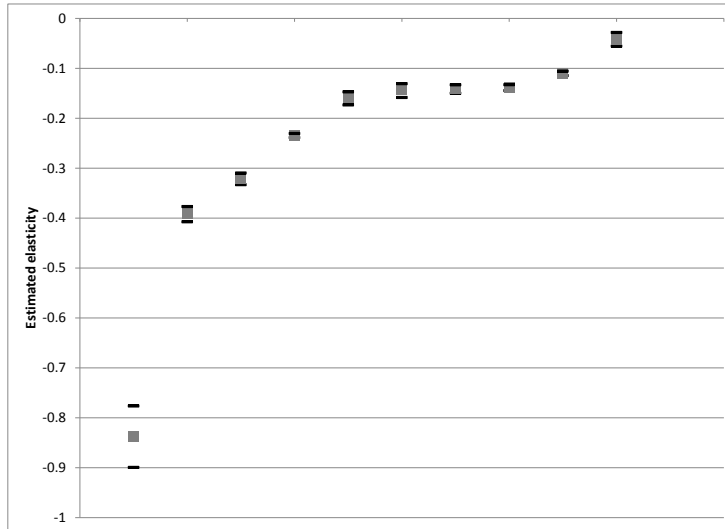
We also use create several groupings of drugs and therapeutic classes. Following [Einav et al. \(2015\)](#), we define chronic vs. acute drugs empirically. Specifically, a drug is classified as “chronic” if, conditional on filling a claim for a particular drug, the median beneficiary in our data fills more than two claims within the year in our data; otherwise it is acute.

We classify drugs as “maintenance” vs. “non-maintenance” using the classification of First Databank, a drug classification company; it, roughly speaking, is another way to measure drugs prescribed for chronic conditions. We classify therapeutic classes as being “maintenance” versus not based on the “maintenance” status of each drug (at the NDC11

code level) within a therapeutic class. Specifically, we compute the fraction of drugs within each therapeutic class that are “maintenance” and assign therapeutic classes to be “maintenance” if more than half of the drugs (at the NDC11 level) in the class are classified as maintenance. The 50 percent cutoff is not consequential in practice; since therapeutic classes roughly capture drugs that are used to treat the same or related conditions, the “maintenance” classification translates cleanly to therapeutic classes - in most cases all NDC11 codes within a therapeutic class are either “maintenance” or not. Since the definition of being a chronic drug is empirical and is based less on conditions and more on the frequency of claiming, this classification does not apply to therapeutic classes; whether drugs are classified as chronic or not tends to vary within a therapeutic class.

Figure A1: Confidence intervals for elasticity estimates

(a) Top ten common therapeutic classes



(b) Top ten common drugs

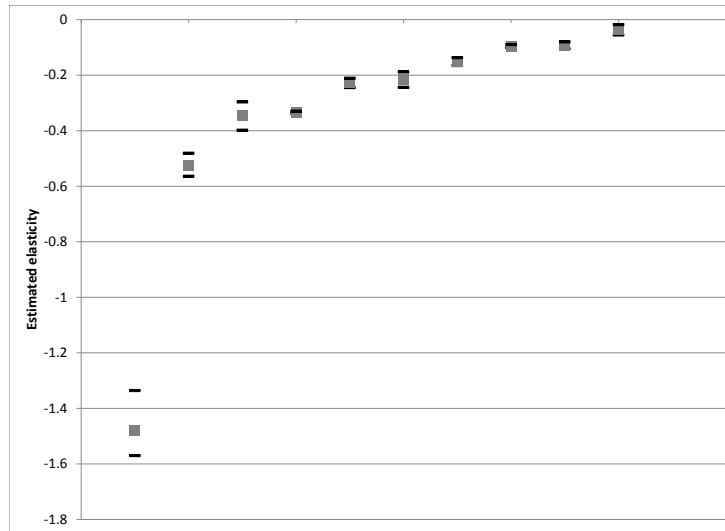
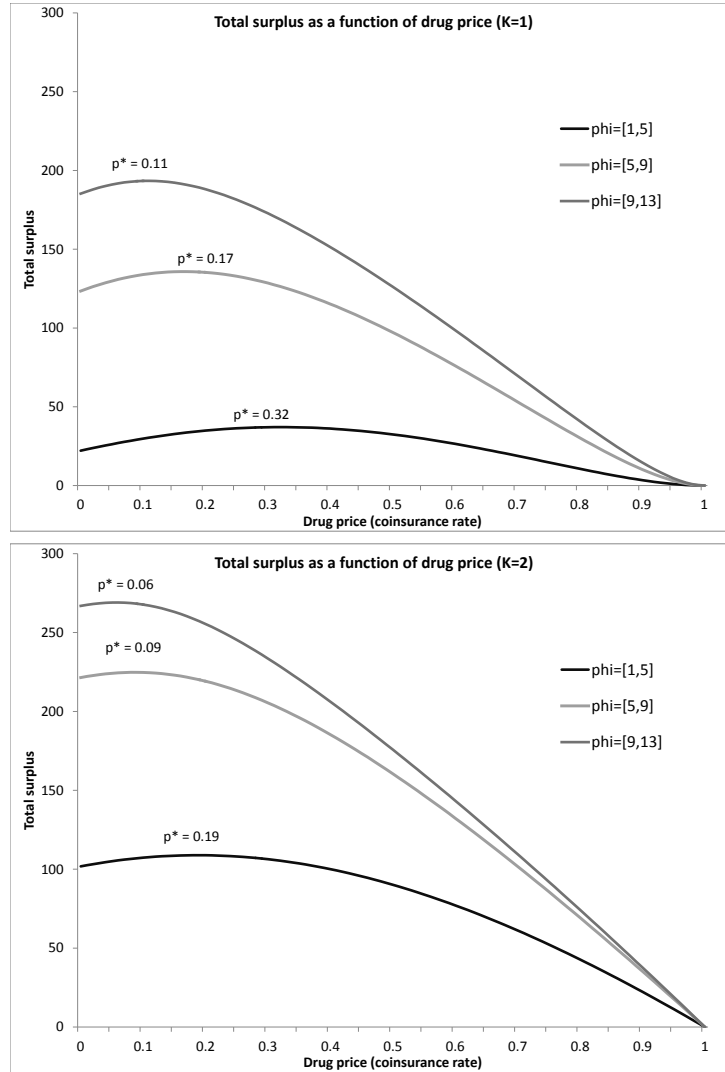


Figure reports point estimates of the elasticities and the associated 95% confidence intervals for the ten most frequently claimed therapeutic classes (top panel) and the ten most frequently claimed drugs (bottom panel). The confidence intervals are based on 100 bootstrap draws as described in Section 3.2.

Figure A2: Graphic Representation of the Social Planner's Problem



The graphs plot the willingness to pay for insurance as a function of drug price for the model described in Section 5. The top panel plots the willingness to pay for the moral hazard parameter $K = 1$, while the bottom panel for $K = 2$. The maxima points mark the social planner's solutions for different distributions of risk aversion.

Table A1: Cost-Sharing in Public Insurance across OECD Countries

| Country | Copayments | | | | | | Sources* | | |
|---------------------|------------------|-------------------|----------------------|------------------------------|---------------------|--|--|----------------|--------------|
| | Use of copayment | Vary by condition | Vary by type of drug | Vary by socio-economic state | Fixed or percentage | Maximum out-of-pocket limit (MOPL) | Cap | Deductible | |
| Australia | Yes | No | No | Yes | Fixed | Fixed, dependent on type of patient | No | No | [9,34–37] |
| Austria | Yes | No | No | No | Fixed | 2% of annual income | No | No | [10,38–40] |
| Belgium | Yes | Yes | No | Yes | Percentage | Dependent on type of patient | No | No | [41–45] |
| Canada | Varies by plan | No | No | Varies by plan | Varies by plan | Varies by plan | Varies by plan | Varies by plan | [7,46–51] |
| Czech Republic | Yes | Yes | No | Yes | Fixed | Set at 200€; for children under 18 and adults over 65, set at 100€ | No | No | [52,53] |
| Denmark | Yes | Yes | No | No | Both | Set at 406€ for chronically ill patients | No | Yes | [54,55] |
| England | Yes | Yes | No | Yes | Fixed | No | No | No | [45,56–59] |
| Estonia | Yes | Yes | No | Yes | Both | No | No | No | [60,61] |
| Finland | Yes | Yes | No | No | Percentage | Set at 672€; subsequent costs are reimbursed in full after a fixed 1.50€ copayment | No | No | [62–64] |
| France | Yes | No | No | No | Both | No | No | No | [45,65–67] |
| Germany | Yes | No | No | No | Both | Set at 2% of net income; 1% of net income for chronically ill patients | No | No | [45,68–72] |
| Greece | Yes | Yes | Yes | Yes | Percentage | No | No | No | [73,74] |
| Hungary | Yes | Yes | No | Yes | Percentage | No | No | No | [75,76] |
| Iceland | Yes | No | Yes | No | Percentage | No | No | No | [77] |
| Ireland** | Yes | No | No | No | Fixed | 19.50€ per month per family | No | No | [78–83] |
| Israel | Varies by plan | Varies by plan | Varies by plan | Varies by plan | Varies by plan | Varies by plan | No | No | [84,85] |
| Italy | Yes | Yes | No | Yes | Fixed | No | No | No | [45,86–88] |
| Japan | Yes | No | No | Yes | Percentage | Set at 80,000 yen monthly | No | No | [89–93] |
| Luxembourg | Yes | Yes | No | No | Percentage | 2.5% of net income | No | No | [94,95] |
| Mexico [†] | No | | | | | No | No | No | [96,97] |
| Netherlands | Yes | No | No | No | | Difference between reference price and retail | No | Yes | [45,98] |
| New Zealand | Yes | Yes | No | Yes | Fixed | No | No | No | [35,99–101] |
| Norway | Yes | Yes | No | Yes | Both | Set at 216€ and 63€ per prescription | No | No | [102] |
| Poland | Yes | Yes | No | No | Both | No | No | No | [103–105] |
| Portugal | Yes | No | Yes | No | Percentage | No | No | No | [106,107] |
| Scotland | No | | | | | | No | No | [57] |
| Slovakia | Yes | No | Yes | No | Both | No | No | No | [108,109] |
| Slovenia | Yes | Yes | No | Yes | Percentage | No | No | No | [105,110] |
| South Korea | Yes | Yes | No | Yes | Percentage | Set at 2, 3 or 4 million KRW depending on health insurance plan | No | No | [93,111–116] |
| Spain | Yes | Yes | No | Yes | Percentage | No | No | No | [45,117,118] |
| Sweden | Yes | No | Yes | No | Percentage | No | No | Yes | [22,119–123] |
| Switzerland | Yes | No | No | No | Percentage | Set at 700 CHF for adults and 350 CHF for children | Yes | Yes | [124,125] |
| Turkey | Yes | Yes | No | Yes | Percentage | No | No | No | [96,105,126] |
| US ^{††} | Varies | No | No | No | | Copayment reduces to 5% after limit | Varies by plan. Step therapy, prior authorization and cost tiers | | [127] |

* in addition to system experts and agency websites.

** General Medical Services Scheme.

[†]Seguro Popular plan.

^{††}Medicare.

doi:10.1371/journal.pone.0090434.t001

Table is a reproduction of Table 1 in [Barnieh et al. \(2014\)](#).

Table A2: Out-of-pocket costs, co-insurance, and formulary tiers

| Dependent Variable: | Mean OOP price (\$US) | | | Mean total price (\$US) | | | Mean co-insurance rate | | |
|---|-----------------------|----------------------------------|------------------------------|-------------------------|----------------------------------|------------------------------|------------------------|----------------------------------|------------------------------|
| | Unweighted (1) | Weighted by enrollment (2) | Weighted by claims (3) | Unweighted (4) | Weighted by enrollment (5) | Weighted by claims (6) | Unweighted (4) | Weighted by enrollment (5) | Weighted by claims (6) |
| No. of Obs. | 26,317 | 26,317 | 26,317 | 26,317 | 26,317 | 26,317 | 26,317 | 26,317 | 26,317 |
| Mean od Dep. Var. | 58.1 | 75.5 | 16.9 | 180.4 | 233.9 | 53.7 | 0.338 | 0.350 | 0.297 |
| Std. Dev. Of Dep. Var. | 79.2 | 83.9 | 19.5 | 259.4 | 281.1 | 54.9 | 0.172 | 0.141 | 0.121 |
| Panel A. High tier indicator: | | | | | | | | | |
| High co-insurance (Tier 3) | 45.2 (4.9) | 45.3 (7.9) | 47.3 (5.0) | 79.9 (19.3) | 59.7 (23.0) | 76.6 (13.6) | 0.206 (0.025) | 0.225 (0.023) | 0.216 (0.037) |
| Plan Fixed Effects | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| R-squared | 0.605 | 0.751 | 0.392 | 0.582 | 0.768 | 0.158 | 0.437 | 0.639 | 0.740 |
| Panel B. Individual tier indicators: | | | | | | | | | |
| Tier 1 | | | | | --- omitted --- | | | | |
| Tier 2 | 30.5 (3.6) | 33.2 (4.0) | 33.3 (2.1) | 105.9 (11.4) | 116.0 (15.2) | 113.8 (4.8) | 0.031 (0.023) | -0.004 (0.016) | 0.000 (0.012) |
| Tier 3 | 60.3 (4.7) | 61.9 (5.7) | 56.6 (3.4) | 132.5 (18.2) | 117.6 (14.3) | 108.2 (5.6) | 0.221 (0.028) | 0.224 (0.025) | 0.216 (0.037) |
| Tier 4 | 151.9 (12.0) | 179.8 (10.4) | 92.4 (8.8) | 496.2 (46.0) | 612.8 (34.6) | 220.8 (41.7) | 0.083 (0.029) | 0.004 (0.018) | 0.214 (0.064) |
| Tier 5 | 200.2 (22.9) | 217.0 (19.4) | 71.5 (36.8) | 650.0 (89.5) | 717.4 (67.1) | 189.5 (136.0) | 0.095 (0.063) | -0.012 (0.024) | 0.340 (0.151) |
| Tier 6 | 306.9 (20.1) | 335.4 (24.9) | 262.1 (25.8) | 1,065.4 (85.7) | 1,095.7 (89.1) | 827.8 (74.6) | -0.025 (0.089) | -0.027 (0.057) | 0.005 (0.053) |
| Plan Fixed Effects | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| R-squared | 0.626 | 0.770 | 0.888 | 0.605 | 0.789 | 0.890 | 0.442 | 0.639 | 0.740 |

Table reports the relationship between average total cost, average out-of-pocket costs, and co-insurance rate across different tiers of part D plans. Panel A estimates the difference in the outcome variable by whether a drug is located in tiers 1-2 versus higher tiers. Panel B estimates the difference for each tier separately. In columns (1)-(3) the outcome variable is out-of-pocket drug cost, for any (not only common) drug. In Columns (4)-(6) the outcome variable is total cost. In columns (7)-(9) the outcome variable is the co-insurance; the co-insurance was computed at the individual claim level and then averaged within a plan-tier, which is the unit of observation. Plan enrollment weights (in columns (2), (5), and (8)) are computed using enrollees that make at least one claim for which out of pocket cost, total drug cost and co-insurance can be computed. The total cost, the out of pocket cost and the co-insurance were computed using only claims that fall above the deductible and below in the donut hole. Standard errors are clustered at the insurer-tier level.

Table A3: Simulation results of the conceptual model

| | Social Planner | | Premium | Monopoly | | | Duopoly (Lowest equilibrium ^a) | | | | |
|-----------------------|----------------|-------|---------|----------|---------|-------|--|---------|--------|---------|-------|
| | Coins. | TS | | Coins. | Profits | TS | Kappa | Premium | Coins. | Profits | TS |
| Panel A: K=1 | | | | | | | | | | | |
| phi in (1,5) | 0.32 | 37.1 | 0.234 | 0.31 | 18.7 | 28.1 | 0.10 | 0.161 | 0.27 | 0.5 | 36.7 |
| | | | | | | | 0.40 | 0.195 | 0.27 | 11.2 | 35.4 |
| | | | | | | | 0.49 | 0.228 | 0.28 | 17.7 | 31.2 |
| phi in (5,9) | 0.17 | 135.8 | 0.378 | 0.22 | 92.7 | 129.6 | 0.10 | 0.249 | 0.12 | 8.3 | 134.9 |
| | | | | | | | 0.40 | 0.296 | 0.23 | 59.1 | 134.0 |
| | | | | | | | 0.49 | 0.356 | 0.23 | 88.3 | 134.2 |
| phi in (9,13) | 0.11 | 193.4 | 0.569 | 0.13 | 171.0 | 193.1 | 0.10 | 0.280 | 0.09 | 15.8 | 193.2 |
| | | | | | | | 0.40 | 0.470 | 0.09 | 110.8 | 193.2 |
| | | | | | | | 0.49 | 0.576 | 0.08 | 161.0 | 192.9 |
| Panel B: K=1.5 | | | | | | | | | | | |
| phi in (1,5) | 0.24 | 89.1 | 0.367 | 0.25 | 46.3 | 66.2 | 0.10 | 0.233 | 0.16 | 3.9 | 87.7 |
| | | | | | | | 0.40 | 0.282 | 0.20 | 29.7 | 84.8 |
| | | | | | | | 0.49 | 0.354 | 0.19 | 43.7 | 74.7 |
| phi in (5,9) | 0.11 | 206.6 | 0.558 | 0.15 | 164.3 | 206.0 | 0.10 | 0.272 | 0.13 | 16.8 | 206.5 |
| | | | | | | | 0.40 | 0.467 | 0.13 | 114.3 | 206.5 |
| | | | | | | | 0.49 | 0.584 | 0.10 | 162.0 | 202.6 |
| phi in (9,13) | 0.07 | 255.7 | 0.732 | 0.09 | 237.7 | 255.6 | 0.10 | 0.399 | 0.04 | 59.3 | 255.0 |
| | | | | | | | 0.40 | 0.597 | 0.04 | 158.3 | 255.0 |
| | | | | | | | 0.49 | 0.730 | 0.06 | 229.6 | 255.6 |
| Panel C: K=2 | | | | | | | | | | | |
| phi in (1,5) | 0.19 | 108.9 | 0.423 | 0.20 | 57.8 | 82.2 | 0.10 | 0.284 | 0.08 | 9.5 | 106.5 |
| | | | | | | | 0.40 | 0.355 | 0.14 | 45.1 | 100.7 |
| | | | | | | | 0.49 | 0.408 | 0.14 | 55.0 | 91.5 |
| phi in (5,9) | 0.09 | 224.8 | 0.615 | 0.13 | 185.5 | 224.0 | 0.10 | 0.304 | 0.08 | 19.5 | 224.8 |
| | | | | | | | 0.40 | 0.529 | 0.08 | 132.0 | 224.8 |
| | | | | | | | 0.49 | 0.646 | 0.08 | 180.6 | 215.0 |
| phi in (9,13) | 0.06 | 269.0 | 0.771 | 0.08 | 253.0 | 268.7 | 0.10 | 0.343 | 0.02 | 26.0 | 268.1 |
| | | | | | | | 0.40 | 0.625 | 0.03 | 169.2 | 268.6 |
| | | | | | | | 0.49 | 0.781 | 0.02 | 245.0 | 268.1 |

Table reports equilibrium results from the model described in Section 5.

^a In the duopoly case, in all cases considered, there exists an equilibrium in which both firms set the corresponding monopolist's premium and coinsurance rate.

Table A4: Estimated Elasticities for All “Common” Therapeutic Classes

| Therapeutic class name (1) | AHFS code (2) | Claim share (3) | Spend share (4) | %ΔQ (5) | %ΔOOP (6) | Elasticity (7) |
|--|------------------|--------------------|--------------------|------------|--------------|-------------------|
| All common therapeutic classes | - | 0.860 | 0.847 | -10.2 | 233.4 | -0.04 |
| HMG-CoA Reductase Inhibitors^ | 24060800 | 0.077 | 0.097 | -31.9 | 136.1 | -0.23 |
| beta-Adrenergic Blocking Agents^ | 24240000 | 0.067 | 0.028 | -17.4 | 125.5 | -0.14 |
| Angiotensin-Converting Enzyme Inhibitors^ | 24320400 | 0.047 | 0.013 | -13.9 | 87.8 | -0.16 |
| Thiazide Diuretics^ | 40282000 | 0.045 | 0.027 | -27.1 | 84.2 | -0.32 |
| Thyroid Agents^ | 68360400 | 0.038 | 0.008 | -17.9 | 21.4 | -0.84 |
| Dihydropyridines^ | 24280800 | 0.031 | 0.016 | -19.4 | 138.1 | -0.14 |
| Proton-pump Inhibitors^ | 56283600 | 0.030 | 0.047 | -26.7 | 243.0 | -0.11 |
| Selective Serotonin-reuptake Inhibitors^ | 28160420 | 0.023 | 0.015 | -15.9 | 111.5 | -0.14 |
| Angiotensin II Receptor Antagonists^ | 24320800 | 0.022 | 0.034 | -29.2 | 74.8 | -0.39 |
| Opiate Agonists | 28080800 | 0.022 | 0.009 | -5.5 | 132.0 | -0.04 |
| Loop Diuretics^ | 40280800 | 0.022 | 0.002 | -11.0 | 47.5 | -0.23 |
| Coumarin Derivatives^ | 20120408 | 0.019 | 0.006 | -20.3 | 59.1 | -0.34 |
| Biguanides^ | 68200400 | 0.016 | 0.006 | -8.8 | 133.8 | -0.07 |
| Bone Resorption Inhibitors^ | 92240000 | 0.016 | 0.017 | -41.0 | 114.8 | -0.36 |
| Platelet-Aggregation Inhibitors^ | 20121800 | 0.016 | 0.049 | 4.1 | 221.2 | 0.02 |
| Replacement Preparations^ | 40120000 | 0.015 | 0.005 | -14.1 | 146.8 | -0.10 |
| Sulfonylureas^ | 68202000 | 0.013 | 0.004 | -0.2 | 110.0 | 0.00 |
| Anxiolytics, Sedatives, and Hypnotics; Miscellaneous | 28249200 | 0.013 | 0.008 | -12.0 | 150.9 | -0.08 |
| Other Nonsteroidal Anti-inflammatory Agents^ | 28080492 | 0.012 | 0.005 | -19.9 | 136.4 | -0.15 |
| Selective beta-2-Adrenergic Agonists^ | 12120812 | 0.011 | 0.028 | -15.0 | 211.0 | -0.07 |
| Anticonvulsants, Miscellaneous^ | 28129200 | 0.011 | 0.013 | -8.7 | 209.0 | -0.04 |
| Calcium-Channel Blocking Agents, Miscellaneous^ | 24289200 | 0.010 | 0.007 | -15.9 | 270.3 | -0.06 |
| Adrenals | 68040000 | 0.009 | 0.006 | -7.4 | 150.9 | -0.05 |
| Parasympathomimetic (Cholinergic) Agents^ | 12040000 | 0.009 | 0.029 | 11.6 | 313.1 | 0.04 |
| Antilipemic Agents^ | 24060000 | 0.009 | 0.020 | -38.8 | 133.7 | -0.29 |
| Antidepressants, Miscellaneous^ | 28160492 | 0.008 | 0.013 | -14.6 | 210.9 | -0.07 |
| Analgesics and Antipyretics, Miscellaneous | 28089200 | 0.008 | 0.002 | -5.2 | 138.4 | -0.04 |
| Antimuscarinics^ | 86120400 | 0.008 | 0.015 | -28.2 | 161.3 | -0.17 |
| Central Nervous System Agents, Miscellaneous^ | 28920000 | 0.008 | 0.018 | 2.9 | 272.9 | 0.01 |
| Other Miscellaneous Therapeutic Agents | 92920000 | 0.008 | 0.014 | -29.9 | 200.7 | -0.15 |
| Insulins^ | 68200800 | 0.008 | 0.020 | -3.8 | 177.8 | -0.02 |
| Prostaglandin Analogs^ | 52402800 | 0.008 | 0.011 | -35.4 | 69.1 | -0.51 |
| Anti-inflammatory Agents | 84060000 | 0.007 | 0.003 | -20.6 | 170.2 | -0.12 |
| Quinolones | 8121800 | 0.007 | 0.004 | -4.4 | 102.3 | -0.04 |
| Fibric Acid Derivatives^ | 24060600 | 0.007 | 0.011 | -21.7 | 153.2 | -0.14 |
| Cardiotonic Agents^ | 24040800 | 0.007 | 0.001 | -13.2 | 29.1 | -0.45 |
| Antigout Agents^ | 92160000 | 0.006 | 0.001 | -17.4 | 43.9 | -0.40 |
| Nitrates and Nitrites^ | 24120800 | 0.006 | 0.002 | -4.3 | 113.4 | -0.04 |
| Antineoplastic Agents | 10000000 | 0.006 | 0.037 | 1.6 | 432.7 | 0.00 |
| Hypotensive Agents^ | 24080000 | 0.006 | 0.009 | -31.5 | 225.4 | -0.14 |
| alpha-Adrenergic Blocking Agents^ | 24200000 | 0.006 | 0.001 | -16.5 | 83.9 | -0.20 |
| Tricyclics and Other Norepinephrine-reuptake Inhibitors^ | 28160428 | 0.005 | 0.001 | -15.8 | 71.0 | -0.22 |
| Estrogens^ | 68160400 | 0.005 | 0.006 | -21.9 | 42.9 | -0.51 |
| Antimuscarinics/Antispasmodics | 12080800 | 0.005 | 0.012 | -7.9 | 258.3 | -0.03 |
| Histamine H2-Antagonists^ | 56281200 | 0.005 | 0.001 | -17.1 | 74.1 | -0.23 |
| Mineralocorticoid (Aldosterone) Receptor Antagonists^ | 24322000 | 0.004 | 0.001 | -14.0 | 83.7 | -0.17 |
| 5-alpha-Reductase Inhibitors^ | 92080000 | 0.004 | 0.007 | -28.0 | 174.5 | -0.16 |
| beta-Adrenergic Blocking Agents^ | 52400800 | 0.004 | 0.004 | -36.5 | 140.1 | -0.26 |
| Aminopenicillins | 8121608 | 0.004 | 0.001 | -2.2 | 151.0 | -0.01 |

----- Table continues in the next page -----

| Therapeutic class name (1) | AHFS code (2) | Claim share (3) | Spend share (4) | %ΔQ (5) | %ΔOOP (6) | Elasticity (7) |
|---|------------------|--------------------|--------------------|------------|--------------|-------------------|
| ----- Table continues from previous page ----- | | | | | | |
| Atypical Antipsychotics^ | 28160804 | 0.004 | 0.013 | 1.4 | 292.7 | 0.00 |
| Thiazolidinediones^ | 68202800 | 0.004 | 0.016 | 14.7 | 303.6 | 0.05 |
| Skeletal Muscle Relaxants | 12200000 | 0.004 | 0.001 | -9.1 | 91.8 | -0.10 |
| Central alpha-Agonists^ | 24081600 | 0.004 | 0.002 | -12.7 | 124.3 | -0.10 |
| Cyclooxygenase-2 (COX-2) Inhibitors^ | 28080408 | 0.004 | 0.010 | -35.3 | 124.8 | -0.28 |
| Corticosteroids^ | 52080800 | 0.004 | 0.002 | -27.8 | 196.5 | -0.14 |
| Calcium-Channel Blocking Agents^ | 24280000 | 0.004 | 0.002 | -17.5 | 175.7 | -0.10 |
| Leukotriene Modifiers^ | 48102400 | 0.004 | 0.009 | -19.5 | 152.9 | -0.13 |
| First Generation Cephalosporins | 8120604 | 0.003 | 0.001 | -1.7 | 62.6 | -0.03 |
| Antibacterials | 52040400 | 0.003 | 0.003 | -11.7 | 71.7 | -0.16 |
| Anti-inflammatory Agents | 52080000 | 0.003 | 0.004 | -25.5 | 104.4 | -0.24 |
| Estrogen Agonists-Antagonists^ | 68161200 | 0.003 | 0.008 | -56.1 | 151.7 | -0.37 |
| Sulfonamides | 8122000 | 0.003 | 0.001 | -3.2 | 70.1 | -0.05 |
| Serotonin Modulators^ | 28160424 | 0.003 | 0.000 | -7.5 | 46.1 | -0.16 |
| Nonergot-derivative Dopamine Receptor Agonists^ | 28362008 | 0.003 | 0.005 | -10.9 | 282.0 | -0.04 |
| Urinary Anti-infectives | 8360000 | 0.003 | 0.002 | -6.4 | 174.0 | -0.04 |
| Cathartics and Laxatives | 56120000 | 0.003 | 0.001 | -22.8 | 142.9 | -0.16 |
| Tetracyclines | 8122400 | 0.003 | 0.001 | -6.5 | 125.1 | -0.05 |
| Class III Antiarrhythmics^ | 24040420 | 0.003 | 0.003 | -10.2 | 177.4 | -0.06 |
| Antiulcer Agents and Acid Suppressants, Miscellaneous | 56289200 | 0.003 | 0.002 | -17.5 | 195.1 | -0.09 |
| EENT Drugs, Miscellaneous^ | 52920000 | 0.002 | 0.004 | -28.6 | 93.5 | -0.31 |
| Thiazide-like Diuretics^ | 40282400 | 0.002 | 0.001 | -18.6 | 93.4 | -0.20 |
| Antilipemic Agents, Miscellaneous^ | 24069200 | 0.002 | 0.006 | -21.7 | 146.9 | -0.15 |
| Antifungals | 84040800 | 0.002 | 0.001 | -10.9 | 190.4 | -0.06 |
| Dipeptidyl Peptidase-4 (DPP-4) Inhibitors^ | 68200500 | 0.002 | 0.007 | 19.9 | 191.8 | 0.10 |
| Antibacterials | 84040400 | 0.002 | 0.001 | -20.7 | 141.5 | -0.15 |
| Direct Vasodilators^ | 24082000 | 0.002 | 0.001 | -12.3 | 236.5 | -0.05 |
| Antiemetics | 56220000 | 0.002 | 0.000 | -20.3 | 140.4 | -0.14 |
| Nucleosides and Nucleotides^ | 8183200 | 0.002 | 0.003 | -9.8 | 303.8 | -0.03 |
| Skin and Mucous Membrane Agents, Miscellaneous | 84920000 | 0.001 | 0.004 | -40.5 | 183.8 | -0.22 |
| Lincomycins | 8122820 | 0.001 | 0.000 | -8.0 | 144.9 | -0.05 |
| Antiallergic Agents | 52020000 | 0.001 | 0.002 | -36.0 | 102.0 | -0.35 |
| Azoles | 8140800 | 0.001 | 0.001 | 0.1 | 153.9 | 0.00 |
| Nonsteroidal Anti-inflammatory Agents^ | 28080400 | 0.001 | 0.004 | 15.3 | 198.6 | 0.08 |
| Antimalarials^ | 8300800 | 0.001 | 0.001 | -12.6 | 144.6 | -0.09 |
| Nonsteroidal Anti-inflammatory Agents | 52082000 | 0.001 | 0.001 | -19.6 | 60.8 | -0.32 |
| Hydantoins^ | 28121200 | 0.001 | 0.001 | -8.7 | 99.0 | -0.09 |
| Class Ic Antiarrhythmics^ | 24040412 | 0.001 | 0.001 | -27.6 | 342.1 | -0.08 |
| Antidiarrhea Agents^ | 56080000 | 0.001 | 0.000 | -10.0 | 71.9 | -0.14 |
| Antipruritics and Local Anesthetics | 84080000 | 0.001 | 0.003 | -26.7 | 311.1 | -0.09 |
| Prokinetic Agents | 56320000 | 0.001 | 0.000 | -10.2 | 57.6 | -0.18 |
| Carbonic Anhydrase Inhibitors^ | 52401200 | 0.001 | 0.001 | -38.6 | 80.6 | -0.48 |
| Vaccines | 80120000 | 0.001 | 0.002 | -40.1 | 161.9 | -0.25 |
| Protectants^ | 56283200 | 0.001 | 0.001 | -10.9 | 114.5 | -0.10 |
| Penicillins | 8121600 | 0.001 | 0.000 | -17.9 | 64.9 | -0.28 |
| Barbiturates^ | 28120400 | 0.001 | 0.000 | -12.7 | 285.5 | -0.04 |
| Selective alpha-1-Adrenergic Blocking Agents^ | 12160412 | 0.001 | 0.001 | -36.6 | 70.2 | -0.52 |
| Vitamin D^ | 88160000 | 0.001 | 0.000 | -13.0 | 286.9 | -0.05 |
| Azoles | 84040808 | 0.001 | 0.000 | -17.3 | 182.9 | -0.09 |
| Macrolides | 8121200 | 0.001 | 0.000 | 0.3 | 261.1 | 0.00 |
| Disease-modifying Antirheumatic Drugs^ | 92360000 | 0.001 | 0.008 | -17.4 | 184.8 | -0.09 |
| Anti-inflammatory Agents, Miscellaneous^ | 52089200 | 0.001 | 0.002 | -42.1 | 202.6 | -0.21 |
| Respiratory Smooth Muscle Relaxants^ | 86160000 | 0.001 | 0.000 | -1.0 | 96.3 | -0.01 |
| Phenothiazines^ | 28160824 | 0.001 | 0.000 | -2.4 | 114.7 | -0.02 |
| Second Generation Cephalosporins | 8120608 | 0.001 | 0.000 | -0.1 | 209.9 | 0.00 |
| Bile Acid Sequestrants^ | 24060400 | 0.001 | 0.001 | -17.6 | 384.7 | -0.05 |
| Renin Inhibitors^ | 24324000 | 0.001 | 0.001 | -19.2 | 78.0 | -0.25 |
| Anticoagulants | 20120400 | 0.001 | 0.004 | -6.6 | 258.1 | -0.03 |
| Antiprotozoals, Miscellaneous | 8309200 | 0.000 | 0.000 | -6.0 | 94.4 | -0.06 |

^ Classes that are classified as predominantly maintenance classes.

Table A5: Estimated Elasticities for All “Common” Drugs

| Drug name (1) | Brand/Generic (2) | Claim share (3) | Spend share (4) | %ΔQ (5) | %ΔOOP (6) | Elasticity (7) |
|-------------------------------|----------------------|--------------------|--------------------|------------|--------------|-------------------|
| All common drugs | - | 0.654 | 0.543 | -11.7 | 247.4 | -0.05 |
| Simvastatin^ | generic | 0.034 | 0.011 | -10.8 | 116.4 | -0.09 |
| Lisinopril^ | generic | 0.028 | 0.005 | -12.4 | 57.8 | -0.21 |
| Atorvastatincalcium^* | brand | 0.022 | 0.055 | -48.3 | 145.1 | -0.33 |
| Levothyroxinesodium^~ | brand | 0.021 | 0.006 | -21.5 | 14.5 | -1.48 |
| Levothyroxinesodium^~ | generic | 0.018 | 0.003 | -13.6 | 39.4 | -0.35 |
| Amlodipinebesylate^* | generic | 0.018 | 0.006 | -17.5 | 115.9 | -0.15 |
| Omeprazole^* | generic | 0.017 | 0.010 | -24.2 | 254.3 | -0.10 |
| Warfarinsodium^ | generic | 0.017 | 0.004 | -18.9 | 83.1 | -0.23 |
| Hydrocodonebitartrateandac | generic | 0.017 | 0.003 | -3.8 | 102.2 | -0.04 |
| Hydrochlorothiazide^* | generic | 0.016 | 0.002 | -20.4 | 38.9 | -0.52 |
| Atenolol^~ | generic | 0.016 | 0.002 | -20.0 | 33.4 | -0.60 |
| Clopidogrelbisulfate^* | brand | 0.015 | 0.047 | 5.1 | 234.7 | 0.02 |
| Metforminhydrochloride^~ | generic | 0.014 | 0.003 | -9.4 | 111.3 | -0.08 |
| Metoprololtartrate^ | generic | 0.014 | 0.001 | -15.8 | 33.4 | -0.47 |
| Furosemide^* | brand | 0.014 | 0.001 | -11.3 | 29.4 | -0.38 |
| Metoprololsuccinate^ | brand | 0.012 | 0.009 | -22.8 | 161.9 | -0.14 |
| Diltiazemhydrochloride^~* | generic | 0.009 | 0.006 | -15.4 | 297.0 | -0.05 |
| Potassiumchloride^* | generic | 0.009 | 0.003 | -13.3 | 156.7 | -0.08 |
| Alendronatesodium^ | generic | 0.009 | 0.003 | -19.4 | 137.3 | -0.14 |
| Valsartan^~ | brand | 0.008 | 0.015 | -32.7 | 95.3 | -0.34 |
| Amlodipinebesylate^~* | brand | 0.008 | 0.004 | -22.2 | 71.5 | -0.31 |
| Rosuvastatincalcium^ | brand | 0.007 | 0.019 | -45.0 | 146.9 | -0.31 |
| Zolpidemtartrate | generic | 0.007 | 0.002 | -10.7 | 99.0 | -0.11 |
| Pravastatinsodium^ | generic | 0.007 | 0.003 | -12.2 | 169.4 | -0.07 |
| Carvedilol^ | generic | 0.007 | 0.002 | -11.2 | 155.8 | -0.07 |
| Triamtereneandhydrochlorot^~* | generic | 0.007 | 0.001 | -19.2 | 43.9 | -0.44 |
| Lisinoprilandhydrochloroth^~ | generic | 0.007 | 0.002 | -7.8 | 90.6 | -0.09 |
| Prednisone | generic | 0.007 | 0.001 | -1.2 | 35.5 | -0.03 |
| Esomeprazolemagnesium^ | brand | 0.006 | 0.023 | -32.2 | 275.1 | -0.12 |
| Donepezilhydrochloride^~ | brand | 0.006 | 0.020 | 19.9 | 317.1 | 0.06 |
| Potassiumchloride^~* | brand | 0.006 | 0.002 | -15.6 | 97.4 | -0.16 |
| Metoprololsuccinate^ | generic | 0.006 | 0.004 | -15.6 | 291.3 | -0.05 |
| Furosemide^* | generic | 0.006 | 0.001 | -11.2 | 58.7 | -0.19 |
| Citalopramhydrobromide^ | generic | 0.006 | 0.001 | -4.9 | 77.4 | -0.06 |
| Lovastatin^~ | generic | 0.005 | 0.002 | -4.6 | 176.3 | -0.03 |
| Escitalopramoxalate^ | brand | 0.005 | 0.009 | -28.7 | 119.6 | -0.24 |
| Digoxin^* | generic | 0.005 | 0.001 | -10.9 | 37.2 | -0.29 |
| Ezetimibe^~ | brand | 0.005 | 0.012 | -34.4 | 128.9 | -0.27 |
| Valsartanandhydrochlorothi^ | brand | 0.005 | 0.011 | -44.0 | 119.0 | -0.37 |
| Tramadolhydrochloride | generic | 0.005 | 0.001 | -9.8 | 89.3 | -0.11 |
| Allopurinol^~* | generic | 0.005 | 0.001 | -17.6 | 30.4 | -0.58 |
| Tamsulosinhydrochloride^ | brand | 0.005 | 0.010 | -36.2 | 166.6 | -0.22 |
| Glipizide^~* | generic | 0.005 | 0.001 | 1.7 | 110.0 | 0.02 |
| Memantinehydrochloride^ | brand | 0.005 | 0.014 | 18.2 | 271.6 | 0.07 |
| Fluticasonepropionateandsa^ | brand | 0.005 | 0.018 | -20.2 | 358.2 | -0.06 |
| Enalaprilmaleate^~ | generic | 0.005 | 0.001 | -14.0 | 72.4 | -0.19 |
| Gabapentin^* | generic | 0.005 | 0.002 | -9.7 | 262.7 | -0.04 |
| Azithromycin^* | generic | 0.004 | 0.001 | 1.8 | 163.7 | 0.01 |
| Amoxicillin | generic | 0.004 | 0.000 | -8.2 | 24.4 | -0.34 |
| Pioglitazonehydrochloride^~* | brand | 0.004 | 0.015 | 15.1 | 321.5 | 0.05 |
| Isosorbidemononitrate^* | generic | 0.004 | 0.001 | -1.1 | 103.6 | -0.01 |
| Meloxicam^ | generic | 0.004 | 0.001 | -18.5 | 57.3 | -0.32 |
| Celecoxib^* | brand | 0.004 | 0.010 | -35.3 | 123.9 | -0.28 |
| Glimepiride^ | generic | 0.004 | 0.001 | 2.9 | 88.6 | 0.03 |
| Fluticasonepropionate | generic | 0.004 | 0.002 | -27.2 | 283.1 | -0.10 |

----- Table continues in the next page -----

| Drug name (1) | Brand/Generic (2) | Claim share (3) | Spend share (4) | %ΔQ (5) | %ΔOOP (6) | Elasticity (7) |
|--|----------------------|--------------------|--------------------|------------|--------------|-------------------|
| ----- Table continues from previous page ----- | | | | | | |
| Paroxetinehydrochloride^ | generic | 0.004 | 0.001 | -16.4 | 181.7 | -0.09 |
| Spironolactone^~* | generic | 0.003 | 0.001 | -13.6 | 81.7 | -0.17 |
| Oxycodonehydrochlorideanda | generic | 0.003 | 0.001 | -5.1 | 264.2 | -0.02 |
| Ramipril^ | generic | 0.003 | 0.002 | -19.8 | 201.0 | -0.10 |
| Montelukastsodium^* | brand | 0.003 | 0.008 | -19.6 | 163.8 | -0.12 |
| Albuterolsulfate^ | brand | 0.003 | 0.002 | -10.2 | 23.6 | -0.43 |
| Tiotropiumbromide^ | brand | 0.003 | 0.012 | -5.8 | 297.2 | -0.02 |
| Insulinglargin^ | brand | 0.003 | 0.009 | -3.4 | 207.3 | -0.02 |
| Amitriptylinehydrochloride^ | generic | 0.003 | 0.000 | -14.9 | 31.1 | -0.48 |
| Cephalexin* | generic | 0.003 | 0.000 | -0.9 | 56.6 | -0.02 |
| Clonidinehydrochloride^ | generic | 0.003 | 0.000 | -14.2 | 53.6 | -0.26 |
| Losartanpotassium^~ | brand | 0.003 | 0.005 | -32.4 | 51.1 | -0.63 |
| Pantoprazolesodium^ | brand | 0.003 | 0.007 | -32.5 | 197.3 | -0.16 |
| Ranitidinehydrochloride^ | generic | 0.003 | 0.001 | -18.3 | 70.9 | -0.26 |
| Trazodonehydrochloride^* | generic | 0.003 | 0.000 | -6.9 | 40.3 | -0.17 |
| Sertralinehydrochloride^* | brand | 0.003 | 0.001 | -10.0 | 81.2 | -0.12 |
| Amlodipinebesylateandbenaz^ | brand | 0.003 | 0.005 | -37.2 | 210.6 | -0.18 |
| Alendronatesodium^~ | brand | 0.003 | 0.005 | -58.3 | 56.2 | -1.04 |
| Sertralinehydrochloride^* | generic | 0.003 | 0.001 | -17.9 | 124.6 | -0.14 |
| Tamsulosinhydrochloride^ | generic | 0.003 | 0.002 | -14.1 | 152.9 | -0.09 |
| Benazeprilhydrochloride^~ | generic | 0.003 | 0.001 | -2.6 | 81.6 | -0.03 |
| Sulfamethoxazoleandtrimeth | generic | 0.003 | 0.000 | -3.1 | 42.2 | -0.07 |
| Fluoxetinehydrochloride^ | generic | 0.003 | 0.001 | -12.5 | 117.7 | -0.11 |
| Finasteride^ | generic | 0.002 | 0.003 | -19.7 | 390.8 | -0.05 |
| Amlodipinebesylateandbenaz^~ | generic | 0.002 | 0.004 | -26.2 | 343.6 | -0.08 |
| Losartanpotassium^~ | generic | 0.002 | 0.001 | 10.9 | 132.2 | 0.08 |
| Irbesartan^~ | brand | 0.002 | 0.004 | -29.8 | 60.6 | -0.49 |
| Mirtazapine^ | generic | 0.002 | 0.001 | -3.7 | 134.7 | -0.03 |
| Cyclobenzaprinehydrochlori | generic | 0.002 | 0.000 | -5.6 | 50.1 | -0.11 |
| Glyburide^~* | generic | 0.002 | 0.001 | -3.7 | 141.1 | -0.03 |
| Warfarinsodium^ | brand | 0.002 | 0.002 | -28.8 | 22.3 | -1.29 |
| Quetiapinefumarate^ | brand | 0.002 | 0.006 | 0.4 | 272.6 | 0.00 |
| Azithromycin* | brand | 0.002 | 0.001 | -3.6 | 127.5 | -0.03 |
| Polyethyleneglycol3350 | generic | 0.002 | 0.001 | -26.0 | 226.0 | -0.12 |
| Losartanpotassiumandhydroc^~ | brand | 0.002 | 0.003 | -38.6 | 65.3 | -0.59 |
| Pregabalin^ | brand | 0.002 | 0.005 | -10.2 | 163.2 | -0.06 |
| Naproxen^ | generic | 0.002 | 0.000 | -14.4 | 67.6 | -0.21 |
| Venlafaxinehydrochloride^ | brand | 0.002 | 0.004 | -22.8 | 210.5 | -0.11 |
| Gabapentin^~* | brand | 0.002 | 0.001 | -15.6 | 221.8 | -0.07 |
| Triamtereneandhydrochlorot^~* | brand | 0.002 | 0.000 | -21.5 | 33.0 | -0.65 |
| Sitagliptin^~ | brand | 0.001 | 0.006 | 25.3 | 192.6 | 0.13 |
| Duloxetinehydrochloride^ | brand | 0.001 | 0.004 | -20.6 | 211.6 | -0.10 |
| Digoxin^~* | brand | 0.001 | 0.000 | -21.9 | 5.7 | -3.84 |
| Famotidine^ | generic | 0.001 | 0.000 | -14.1 | 77.8 | -0.18 |
| Ramipril^~ | brand | 0.001 | 0.002 | -27.0 | 57.0 | -0.47 |
| Pantoprazolesodium^ | generic | 0.001 | 0.002 | -23.9 | 311.2 | -0.08 |
| Glipizide^~* | brand | 0.001 | 0.001 | -11.0 | 150.6 | -0.07 |
| Zolpidemtartrate | brand | 0.001 | 0.003 | -26.6 | 174.7 | -0.15 |
| Ciprofloxacinhydrochloride | generic | 0.001 | 0.000 | -12.5 | 49.4 | -0.25 |
| Promethazinehydrochloride | generic | 0.001 | 0.000 | -5.9 | 84.9 | -0.07 |
| Losartanpotassiumandhydroc^~ | generic | 0.001 | 0.001 | -2.8 | 151.3 | -0.02 |
| ----- Table continues in the next page ----- | | | | | | |

| Drug name (1) | Brand/Generic (2) | Claim share (3) | Spend share (4) | %ΔQ (5) | %ΔOOP (6) | Elasticity (7) |
|--|----------------------|--------------------|--------------------|------------|--------------|-------------------|
| ----- Table continues from previous page ----- | | | | | | |
| Allopurinol^~* | brand | 0.001 | 0.000 | -15.1 | 21.7 | -0.70 |
| Venlafaxinehydrochloride^ | generic | 0.001 | 0.002 | -18.9 | 397.8 | -0.05 |
| Fentanyl | generic | 0.001 | 0.002 | -8.5 | 450.1 | -0.02 |
| Hydrochlorothiazide^~* | brand | 0.001 | 0.000 | -23.5 | 46.9 | -0.50 |
| Carvedilol^ | brand | 0.001 | 0.002 | -19.4 | 124.9 | -0.16 |
| Glyburide^~* | brand | 0.001 | 0.000 | -0.3 | 96.9 | 0.00 |
| Ibuprofen^ | generic | 0.001 | 0.000 | -9.4 | 48.5 | -0.19 |
| Diltiazemhydrochloride^~ | brand | 0.001 | 0.001 | -20.7 | 207.5 | -0.10 |
| Fluticasonepropionate^ | brand | 0.001 | 0.002 | -34.9 | 214.4 | -0.16 |
| Oxycodonehydrochloride | generic | 0.001 | 0.000 | 1.6 | 236.8 | 0.01 |
| Olanzapine^~* | brand | 0.001 | 0.003 | 20.0 | 416.0 | 0.05 |
| Risperidone^~ | brand | 0.001 | 0.001 | 1.3 | 333.0 | 0.00 |
| Carisoprodol | generic | 0.001 | 0.000 | -4.8 | 66.6 | -0.07 |
| Risperidone^ | generic | 0.001 | 0.001 | -0.2 | 526.5 | 0.00 |
| Levetiracetam^ | generic | 0.000 | 0.001 | 3.5 | 587.8 | 0.01 |
| Divalproexsodium^ | generic | 0.000 | 0.000 | 2.7 | 362.9 | 0.01 |
| Oxycodonehydrochloride | brand | 0.000 | 0.002 | 23.7 | 338.7 | 0.07 |
| Lansoprazole^ | brand | 0.000 | 0.002 | -54.8 | 178.6 | -0.31 |
| Morphinesulfate | generic | 0.000 | 0.000 | -12.5 | 400.5 | -0.03 |
| Spirolactone^~* | brand | 0.000 | 0.000 | -15.1 | 82.3 | -0.18 |
| Lamotrigine^ | generic | 0.000 | 0.000 | -1.3 | 449.4 | 0.00 |
| Divalproexsodium^~ | brand | 0.000 | 0.001 | -8.3 | 186.3 | -0.04 |
| Lansoprazole^ | generic | 0.000 | 0.001 | -36.3 | 215.3 | -0.17 |
| Levetiracetam^~ | brand | 0.000 | 0.001 | 22.4 | 371.2 | 0.06 |
| Albuterolsulfate^ | generic | 0.000 | 0.000 | -18.7 | 164.6 | -0.11 |
| Glimepiride^~ | brand | 0.000 | 0.000 | -13.8 | 71.0 | -0.19 |
| Metforminhydrochloride^~ | brand | 0.000 | 0.000 | 1.6 | 82.6 | 0.02 |
| Lamotrigine^ | brand | 0.000 | 0.001 | 17.3 | 350.8 | 0.05 |
| Isoorbidemononitrate^~* | brand | 0.000 | 0.000 | 2.1 | 165.4 | 0.01 |
| Ciprofloxacinhydrochloride | brand | 0.000 | 0.000 | 2.1 | 89.5 | 0.02 |
| Morphinesulfate | brand | 0.000 | 0.000 | 4.9 | 364.6 | 0.01 |
| Simvastatin^ | brand | 0.000 | 0.000 | -30.8 | 69.6 | -0.44 |
| Pravastatinsodium^~ | brand | 0.000 | 0.000 | -25.0 | 69.4 | -0.36 |
| Atenolol^~ | brand | 0.000 | 0.000 | -36.4 | 23.0 | -1.58 |
| Lovastatin^~ | brand | 0.000 | 0.000 | -37.8 | 153.5 | -0.25 |
| Metoprololtartrate^~ | brand | 0.000 | 0.000 | -18.1 | 40.0 | -0.45 |
| Mirtazapine^~ | brand | 0.000 | 0.000 | 0.6 | 135.4 | 0.00 |
| Fentanyl | brand | 0.000 | 0.000 | -19.1 | 301.4 | -0.06 |
| Enalaprilmaleate^~ | brand | 0.000 | 0.000 | -48.8 | 89.4 | -0.55 |
| Fluoxetinehydrochloride^~ | brand | 0.000 | 0.000 | 19.4 | 141.9 | 0.14 |
| Lisinopril^~ | brand | 0.000 | 0.000 | -45.8 | 11.0 | -4.15 |
| Finasteride^~ | brand | 0.000 | 0.000 | -11.9 | 40.7 | -0.29 |
| Meloxicam^ | brand | 0.000 | 0.000 | -13.1 | 101.8 | -0.13 |
| Tramadolhydrochloride | brand | 0.000 | 0.000 | -5.2 | 74.4 | -0.07 |
| Benazeprilhydrochloride^~ | brand | 0.000 | 0.000 | -36.9 | 12.7 | -2.90 |
| Citalopramhydrobromide^~ | brand | 0.000 | 0.000 | -53.0 | 61.3 | -0.86 |
| Paroxetinehydrochloride^~ | brand | 0.000 | 0.000 | -53.5 | 106.8 | -0.50 |
| Carisoprodol | brand | 0.000 | 0.000 | -49.1 | 139.4 | -0.35 |
| Clonidinehydrochloride^~ | brand | 0.000 | 0.000 | -10.3 | 60.7 | -0.17 |
| Famotidine^ | brand | 0.000 | 0.000 | 26.3 | 95.4 | 0.28 |
| Ranitidinehydrochloride^ | brand | 0.000 | 0.000 | 45.3 | 131.7 | 0.34 |
| Naproxen^ | brand | 0.000 | 0.000 | -62.1 | 43.9 | -1.42 |
| Cyclobenzaprinehydrochlori | brand | 0.000 | 0.000 | -28.2 | 185.5 | -0.15 |
| Sulfamethoxazoleandtrimeth | brand | 0.000 | 0.000 | 59.5 | 24.0 | 2.47 |

^ Maintenance drug.

~ Chronic drug.

* Drugs that are in the "Lower Substitution" subsample.