Medicare Part D is a voluntary prescription drug benefit which has been available to all people with Medicare (Part A and/or Part B) since January 2006. The Part D benefit is provided through private health insurance companies who work with Medicare to negotiate discounts on drug prices.

Medicare beneficiaries can access this benefit by enrolling in a Medicare-approved private prescription drug (“Part D”) plan. It can be a “stand-alone” prescription drug plan (PDP), which offers only drug coverage, or a Medicare Advantage prescription drug plan (MA-PD), that covers all Medicare benefits, including prescription drug coverage, through a managed care plan.

Like other insurance, Part D plans usually charge a monthly premium, an annual deductible and a share of the cost of prescriptions (copay). Costs vary depending on the individual plan chosen.

All drug plans have to provide at least a standard level of coverage, which Medicare sets. However, some plans offer more coverage and cover additional drugs but may charge a higher monthly premium.

Because drug plans vary in terms of which prescription drugs are covered, how much you have to pay, and which pharmacies you can use, it is important for beneficiaries to choose a plan that best meets their prescription drug needs.

**PART D COST-SHARING STRUCTURE**

Although Part D plans vary, they each have this *general* overall structure to their standard benefit:

- **Deductible.** Many, but not all, plans charge an annual deductible.
- **Initial Coverage Limit** (ICL). Beneficiaries responsible for 25% of cost sharing; plans pick up 75%.
- **Coverage Gap** (“Donut Hole”). Beneficiary responsible for a much larger share of cost sharing. Up until 2011, beneficiaries paid 100% of the cost sharing during the coverage gap.
  - The coverage gap works like a second deductible. The beneficiary resumes responsibility for most of the cost sharing until **TrOOP (True Out Of Pocket)** limit is reached. **TrOOP** includes the initial deductible (if any) plus any copayments or coinsurance paid during the ICL; **TrOOP** does NOT include the monthly premium. Plans cannot change this feature.
  - The coverage gap is being phased out over time as a result of the federal Health Care Reform (HCR) legislation passed in 2010:
    - In 2010, beneficiaries who reached the coverage gap received a $250 rebate.
    - In 2011, most brand name drugs purchased while in the coverage gap were discounted by 50%, with generics discounted by 7%.
    - In 2012, most brand name drugs in the coverage gap were discounted at 50%, with generics discounted at 14%.
    - In 2013, most brand name drugs in the coverage gap will be discounted at 52.5%, with generics discounted at 21%.
    - By 2020, the coverage gap will be eliminated.
• **Catastrophic Coverage** (After TrOOP limit is reached). Beneficiary responsible for greater of 5% of cost of drug, or copayment of $2.60 for generics or $6.50 for brand-name drugs (2012).
  
  o In 2013, the copayments increase to $2.65/generic and $6.60/brand name.

**NEW:** As of January 2011, beneficiaries subject to the Part B income-related premium (higher income beneficiaries) are also subject to a Part D income-related monthly premium. These individuals are assessed a premium surcharge (an additional amount) for their monthly Part D coverage. The surcharge amount is collected by the Social Security Administration (SSA), not by the Part D plan. And it is paid the same way as the Part B premium, for most beneficiaries, deducted directly from their Social Security check.

In 2012, the Part D income-related surcharge ranges from $11.60 - $66.40 per month, depending on the household income. Remember that, just like for the Part B income-related surcharge, SSA relies on the household’s most recent tax return. Individuals whose income has decreased since they filed their most recent tax return should bring this fact to SSA’s attention; they may be able to get the surcharge removed.

Beneficiaries who qualify for the Part D Low Income Subsidy (LIS, also known as “Extra Help”) have substantially lower out-of-pocket expenses because the LIS benefit covers most of the beneficiary cost sharing.

See the chart which follows for a cost-sharing breakdown of the standard Part D benefit. **Note:** This chart is for people who are **not** receiving the Part D Low Income Subsidy (LIS or “Extra Help”). It will generally apply to beneficiaries with incomes **above** 150% of the Federal Poverty Level (FPL) -- $16,755 for an individual and $22,695 for a couple in 2012.

**SUMMARY OF MEDICARE’S PART D STANDARD BENEFIT – 2012**

(Note: this cost-sharing structure does **not** apply to “Extra Help” (Low Income Subsidy) recipients. See pp. 6-4 through 6-5 for Extra Help cost sharing.)

<table>
<thead>
<tr>
<th>Drug Expenses</th>
<th>Beneficiary’s Responsibility</th>
<th>Plan’s Responsibility</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Deductible</strong>&lt;br&gt;Cost of drugs from $0 to $320</td>
<td>100% of the annual deductible (maximum $320)</td>
<td>None</td>
</tr>
<tr>
<td><strong>Initial Coverage Limit</strong>&lt;br&gt;Total cost of drugs (what plans pays plus what beneficiary pays) between $320 and $2,930</td>
<td>25% of the cost of the drugs (25% of $2,610 or $652.50)</td>
<td>75% of the cost of the drugs ($1,957.50)</td>
</tr>
<tr>
<td><strong>Coverage Gap</strong>&lt;br&gt;(also known as the “donut hole”)&lt;br&gt;Cost of the drugs between $2,930 and $6,657.50</td>
<td>100% of the cost ($3,727.50). 50% manufacturer discount on brand name drugs; 14% discount on generics.</td>
<td>None</td>
</tr>
<tr>
<td><strong>TrOOP True Out of Pocket expenses</strong>&lt;br&gt;(Beneficiary’s total cost sharing obligation through end of coverage gap) $4,700</td>
<td>$320.00 (deductible)&lt;br&gt;$652.50 (coinsurance)&lt;br&gt;$3,727.50 (coverage gap)&lt;br&gt;$4,700 (TrOOP)</td>
<td>$0 (plan costs do not count toward TrOOP)</td>
</tr>
</tbody>
</table>
### Drug Expenses

| **Catastrophic coverage**  
Cost of the drugs after TrOOP is met  
(when total drug spending = $6,657.50) | **Beneficiary’s Responsibility**  
Greater of 5% or $2.60 copay for generics, $6.50 copay for brand names | **Plan’s Responsibility**  
The remaining expenses, depending on cost of the drugs |
|---|---|---|
| **Deductible**  
Cost of drugs from $0 to $325 | 100% of the annual deductible (maximum $325) | None |
| **Initial Coverage Limit**  
Total cost of drugs (what plans pays plus what beneficiary pays) between $325 and $2,970 | 25% of the cost of the drugs (25% of $2,645 or $661.25) | 75% of the cost of the drugs ($1,983.75) |
| **Coverage Gap**  
(also known as the “donut hole”)  
Cost of the drugs between $2,970 and $6,633.75… approximately $3,763.75 | Beneficiary pays 47.5% of the cost of brand name drugs.  
Beneficiary pays 79% of the cost of generics. | 2.5% of the cost of brand name drugs.  
(50% manufacturer discount applies to brand name drugs.)  
21% of the cost of generic drugs. |
| **TrOOP**  
True Out of Pocket expenses  
(Beneficiary’s total cost-sharing obligation through end of coverage gap) $4,750 | $325.00  
(deductible)  
$661.25  
(coinsurance)  
$3,763.75  
(coverage gap)  
$4,750 (TrOOP) | $0 (plan costs do not count toward TrOOP) |
| **Catastrophic coverage**  
Cost of the drugs after TrOOP is met  
(when total drug spending = $6,733.75) | Greater of 5% or $2.65 copay for generics, $6.60 copay for brand names | The remaining expenses, depending on cost of the drugs |

### TRUE OUT-OF-POCKET COSTS (TROOP)

TrOOP stands for “true out-of-pocket” costs. These expenses count toward the threshold that determines the start of catastrophic coverage.

TrOOP eligible expenditures are costs actually paid by the beneficiary, another person on behalf of the beneficiary, a qualified State Pharmaceutical Assistance Program (SPAP or EPIC in New York State), the AIDS Drug Assistance Program (ADAP) or the Indian Health Service.

Part D copays for formulary drugs generally count as TrOOP eligible expenditures, as well as the manufacturer discount portion of the drug (50% for brand name drugs purchased during the coverage gap).

Not all drug costs count, however. Examples of costs not included in TrOOP include the costs of non-formulary drugs; the monthly premium, payments reimbursed by a third party (such as a supplemental insurance plan sponsored by a former employer), costs for Part D-excluded drugs, and most third party assistance, such as that from employers and unions.

### EXTRA HELP WITH DRUG PLAN COSTS FOR PEOPLE WITH LIMITED INCOME AND RESOURCES

Extra Help (also known as the Low Income Subsidy (LIS)) is available for beneficiaries with limited income and resources. This subsidy helps to reduce or eliminate the beneficiary’s Part D
premium and significantly lower their cost-sharing requirements. Some beneficiaries receive this Extra Help automatically while others need to apply in order to receive it.

Beneficiaries enrolled in Medicaid (“dual eligibles”) or one of the Medicare Savings Programs receive Full Extra Help automatically. Others who may be eligible for the Full or Partial Extra Help based on their limited income and resources would need to apply through the Social Security Administration (SSA) for this assistance. Beneficiaries can apply for Extra Help at any time of the year.

Full Extra Help recipients will pay no monthly premium if they are enrolled in a benchmark plan. Benchmark plans are basic Part D plans whose monthly premium is at or below New York State’s subsidy amount ($39.79 for 2012).

**Full Extra Help benefit for Medicaid recipients (dual eligibles)**

**Income Below 100% Federal Poverty Level (FPL)**

- Individual $ 11,170 year/$931 month (2012)
- Couple $15,130 year/$1,261 month (2012)
- No monthly premium (if a benchmark plan)
- No deductible
- Copayment $1.10 Generic $3.30 Brand (up to catastrophic coverage limit) 2012 amounts; $1.15/$3.50 (2013 amounts)
- $0 copayments associated with catastrophic coverage limit (when total drug spending reaches $6,657.50 in 2012/$6,733.75 in 2013)

**Income Above 100% Federal Poverty Level (FPL)**

- Individual $ 11,170 year/$931 month (2012)
- Couple $15,130 year/$1,261 month (2012)
- No monthly premium (if a benchmark plan)
- No deductible
- Copayment $2.60 Generic $6.50 Brand, up to catastrophic coverage limit (2012 amounts)
- In 2013, the copays increase to $2.65/$6.60
- $0 copays associated with catastrophic coverage limit (when total drug spending reaches $6,657.50 in 2012)
- In 2013, the catastrophic coverage limit increases to $6,733.75
- NO copayments for institutionalized dual-eligible beneficiaries

**As of January 2012:** NO copayments for dual eligible beneficiaries in a Home and Community Based Services (HCBS) waiver program.

**Note:** Beneficiaries in a Medicaid spend-down (or surplus) qualify for the same low-income subsidy as the full benefit dual-eligible. They continue to receive the Full Extra Help through at least the end of the calendar year even if they fail to “spend down” for Medicaid in succeeding months.
**Full Extra Help benefit for people not on Medicaid** – includes Medicare Savings Program recipients

*Income at or below 135% Federal Poverty Level (FPL)*
- Individual $15,080 year/$1,257 month (2012)
- Couple $20,436 year/$1,703 month (2012)
- Asset test $8,440 (individual) $13,410 (couple) (2012), if not in a Medicare Savings Program
- No asset test for beneficiaries in a Medicare Savings Program
- No monthly premium (if a benchmark plan)
- No deductible
- Copayment $2.60 Generic $6.50 Brand (2012 amount), up to catastrophic coverage limit
- In 2012, the copays will increase to $2.65/$6.60
- $0 copays if reach catastrophic coverage limit (when total drug spending reaches $6,657.50 in 2012)
- In 2013, the catastrophic coverage limit increases to $6,733.75

*Partial Extra Help*

*Income between 135%-150% Federal Poverty Level (FPL)*
- Individual $16,755 year/$1,397 month (2012)
- Couple $22,695 year/$1,892 month (2012)
- Asset test $13,070 (Individual) $26,120 (Couple) (2012)
- Sliding scale premium
- Above 135% FPL but at or below 140% FPL, 75% premium subsidy
- Above 140% FPL but at or below 145% FPL, 50% premium subsidy
- Above 145% FPL but below 150% FPL, 25% premium subsidy
- $65 deductible (maximum) (2012); $66 maximum in 2013
- 15% copayment up to TrOOP ($4700 in 2012 and $4750 in 2013); $2.60/$6.50 copays thereafter in 2012, increase to $2.65/$6.60 in 2013

**Note:** Beneficiaries whose income makes them eligible for the FULL Extra Help but whose assets are too high for the Full Extra Help but low enough for the Partial Extra Help will receive a mixed subsidy of FULL Extra Help with the premium and Partial Extra Help with their drug cost-sharing.

**Note:** Sometimes Extra Help recipients run into problems at the pharmacy counter, if their Extra Help status fails to display in the pharmacy’s computer system. When this happens they may be charged the “regular” cost sharing amount. The Best Available Evidence (BAE) policy (available at [https://www.cms.gov/Medicare/Prescription-Drug-Coverage/PrescriptionDrugCovContra/Best_Available_Evidence_Policy.html](https://www.cms.gov/Medicare/Prescription-Drug-Coverage/PrescriptionDrugCovContra/Best_Available_Evidence_Policy.html)) can be used to help beneficiaries get their copays adjusted to the correct amount.

**ENROLLMENT**

**Enrolling In A Prescription Drug Plan**
For many beneficiaries, one of the most challenging aspects of Part D is choosing a plan. Fortunately, Medicare’s Web site ([http://www.medicare.gov](http://www.medicare.gov)) makes that process considerably easier. The website has comprehensive information about Part D (PDP only and MA-PD) plans,
how well they are rated, what drugs they cover, the cost sharing involved, utilization management requirements (i.e., any special restrictions on covered drugs, such as a prior authorization requirement) and contact information for the plans. The Web site has a search function that allows the user to find plans that cover specific drugs, and then view a detailed comparison of each plan’s coverage.

Medicare’s Web site can be used to enroll into a Part D plan. You can use the Medicare online enrollment tool for MA-PD plans as well as for PDP-only plans. Beneficiaries can also enroll into a Part D plan by contacting the plan directly.

**Note:** The only Medicare drug coverage option for Medicare Advantage (MA) members who want to stay with their MA plan is their own plan’s MA-PD. (Exception: Beneficiaries in Private Fee for Service (PFFS) or Medical Savings Account (MSA) plans without Part D can be enrolled in any stand-alone PDP.)

The Part D plan year runs from January 1 through December 31.

**Initial Enrollment Period (IEP)**

Beneficiaries who are new to Medicare may enroll in a Part D plan in the same 7-month Initial Enrollment Period (IEP) that they have for Part B, including the month of their eligibility, the three months prior, and the three months after.

**Annual Coordinated Election Period (AEP)**

Beneficiaries can also enroll, drop, or change plans during the Annual Coordinated Election Period (AEP). The AEP for both PDP and Medicare Advantage enrollment is the same. The AEP is October 15 – December 7, with the change becoming effective January 1.

**Special Enrollment Periods (SEP)**

In general, beneficiaries not receiving Extra Help (the Low Income Subsidy) can change plans only once each year, during the AEP. However, there are also limited exceptions where a beneficiary would be granted a Special Enrollment Period (SEP) to enroll in, disenroll, or switch plans outside of the AEP. These may include the following situations:

- Change in residence (if you are leaving the Part D plan’s service area or moving to another area with new Part D plans available)
- Individual entering, residing in, or leaving a long-term care facility
- Involuntary loss, reduction, or non-notification of “creditable coverage” (coverage that is at least as good as standard Part D coverage)
- Disenrollment from Part D - to enroll in or maintain creditable coverage
- Loss of employer based drug coverage (including COBRA). This loss may be voluntary or involuntary.
- All EPIC members can choose once per year (at any time during the year) to join a Medicare drug plan for the first time or to change to another plan.
  - If you are automatically enrolled in a Part D plan by EPIC, you will not have this SEP. Also, you may not drop Part D coverage using this SEP
- All Medicare enrollees can choose once per year (at any time during the year) to join a Part D plan with a quality rating of 5 stars, if a 5 star plan is available in their service area.
In 2012 in New York State, Simply Prescriptions (Rx1 and Rx3) PDPs are the only 5-star quality rated plans.

- The “5 star” SEP began in January 2012.

- Beginning in 2013, individuals enrolled in plans with quality ratings of 3 stars or lower for 3 consecutive years will have the opportunity to choose once per year to enroll into a higher quality-rated plan.

**IMPORTANT:** All Extra Help recipients have a *continuous special enrollment period*, meaning that they can switch plans at any time during the year, to be effective the first of the following month.

**Note:** CMS recommends that persons change plans early in the month to avoid delays at the pharmacy counter.

**Resource:** The Medicare Rights Center has a comprehensive Special Enrollment Period chart at the following link: [http://www.medicareinteractive.org/uploadedDocuments/mi_extra/SEP-Chart.pdf](http://www.medicareinteractive.org/uploadedDocuments/mi_extra/SEP-Chart.pdf)

**Part D Effective Dates for dual eligibles**

- Medicaid recipients newly enrolled into Medicare will have their Part D enrollment become effective the first of the month in which Medicare Part A or B starts.

- Medicare recipients who are not already enrolled in Part D, and who gain Medicaid coverage, will gain Part D coverage effective the first day of the month of Medicaid eligibility.

- Medicare beneficiaries new to Medicaid who do not have an existing Part D plan, and Medicaid recipients who are new to Medicare and have not chosen a Part D plan, will be automatically enrolled in a special program called LI-NET (Limited Income Newly Eligible Transition). LI-NET provides temporary prescription drug coverage at the point of sale (pharmacy) until the person enrolls in, or is auto-assigned to, a Part D plan.

- If a full benefit dual eligible was previously enrolled in a Part D Plan, then disenrolled and failed to re-enroll in a new plan on a timely basis, the effective date when the person re-enrolls will be the first of the month after the disenrollment effective date from the previous plan.

**Disenrolling From a Prescription Drug Plan**

For individuals who want to switch plans during a special enrollment period or the annual open enrollment period, the easiest way to disenroll from the existing plan is to simply enroll into a new PDP or MA-PD plan. The enrollment into the new plan will automatically disenroll the person from their existing plan, effective the last day of the month before the new enrollment takes effect. No additional contact with the “old” plan is needed.

**Late Enrollment Penalty (LEP)**

Even if a person with Medicare does not take many prescription drugs at this time, they still should consider enrolling in a Part D plan or seeking creditable coverage from another source. Those who do not enroll in a plan when first eligible, and do not have creditable coverage (coverage for prescription drugs that is determined to be at least as good as standard Part D coverage), will have to pay a penalty for late enrollment. Others with creditable coverage, such as insurance through a former employer or union, the Veterans Administration (VA), TRICARE for Life, or the Indian Health Service, will NOT be subject to a penalty for late enrollment.

The late enrollment penalty is equivalent to 1% of the National Base Beneficiary Premium (rounded to the nearest 10 cents) per full month that the person with Medicare was not enrolled in a Medicare
Prescription Drug Plan and did not have creditable coverage. In 2012, the National Base Beneficiary Premium is $31.08 so the penalty would be $31.08 X 1%, or $.31 per month. If the Medicare beneficiary has had creditable coverage with a gap of no more than 63 days from when that coverage ended and Medicare Part D begins, they will not be subject to the penalty.

Note: Beneficiaries who receive Extra Help (either Full or Partial) are NOT subject to the late enrollment penalty. Furthermore, beneficiaries currently subject to a late enrollment penalty would have the penalty end at the point that they qualify for Extra Help, and the penalty would not be reinstated if they subsequently lose their Extra Help in the future.

Facilitated Enrollment
Those beneficiaries in Original Medicare enrolled in the low-income subsidy (Full or Partial Extra Help) – either automatically for those on a Medicare Savings Program – or through completing the SSA application – who do not choose a Medicare Prescription Drug Plan (PDP) on their own will be enrolled into a random benchmark Medicare PDP. (A “benchmark” plan is a PDP available at zero premium for beneficiaries who receive the Full Extra Help.)

They can then change plans at any time during the year.

Note: Beneficiaries on a Medicare Advantage plan without Part D who later receive Extra Help will be facilitated into their own plan’s MA-PD option.

Exception: Beneficiaries on a Private Fee for Service plan without Part D who receive Extra Help will be facilitated into a random Medicare PDP, similarly to those beneficiaries in Original Medicare.

Annual Notice of Change (ANOC)
All Medicare Part D plan members should receive a combined Annual Notice of Change (ANOC)/Evidence of Coverage (EOC) notice from their plan each year by September 30. The ANOC details all changes for the following year including premiums, cost-sharing (deductibles, copayments, coinsurance, and coverage gap), cost utilization tools, and formularies. The ANOC is NOT plan member specific, so beneficiaries would have to identify which changes may apply to them.

WHAT DRUGS ARE COVERED
Each Part D plan has its own formulary, which lists all the drugs it covers and the tier the drugs are in. While plans are not obligated to cover all drugs, every plan has to follow certain basic requirements so that beneficiaries will have access to drugs for any medical condition they have or develop.

Plans must cover at least two different types of prescription drugs in each therapeutic category and each drug class. Plans are required to cover all or substantially all drugs in these six categories:

1) Antidepressants
2) Antipsychotics
3) Anticonvulsants
4) Anti-neoplasics (cancer)
5) Immunosuppressant (for organ and tissue transplant patients) and
Plans must obtain CMS approval of their formularies, and must make their formularies publicly available. You can find plan formularies on Medicare’s Web site (http://www.medicare.gov) and also on the individual plan Web sites.

Excluded Drugs
Certain drugs cannot be covered as part of the basic Part D benefit. Enhanced Part D plans may include excluded drug as part of their enhanced plan benefit, but the cost of Part D-excluded drugs cannot be counted toward TrOOP. Here are some of the drugs that are not covered under Part D:

- Drugs for anorexia, weight loss, or weight gain
- Fertility drugs
- Cosmetic or hair growth drugs
- Cold medicine
- Prescription vitamins and minerals
- Over-the-counter drugs
- Barbiturates
  - Note: Starting in 2013, barbiturates are covered if they are used in the treatment of epilepsy, cancer or a chronic mental disorder
- Benzodiazepines
  - Note: Beginning in 2013, benzodiazepines are covered
- Drugs for treatment of erectile dysfunction
- Drugs covered under Medicare Part A or Part B
- Drugs prescribed “off-label” (i.e., for treatment of a condition other than the one indicated on the drug’s FDA-approved labeling, and for an indication not approved in one of three Medicare-approved pharmaceutical compendia).
  - Note: Beneficiaries may be able to get an off-label drug covered by their Part D plan – even if the drug is not being prescribed for an FDA-approved use or listed in one of the three approved compendia – thanks to a 2011 federal district court decision obtained by the Medicare Rights Center.
- The decision in the Layzer vs. Leavitt case found that Part D plans should cover off-label drugs in situations where the drug is medically necessary and there is no covered alternative. Although the court decision covers beneficiaries who live in the Southern District of New York (counties of New York, Bronx, Westchester, Putnam, Rockland, Orange, Dutchess and Sullivan), beneficiaries outside the Southern District should also benefit from this decision.
- DESI drugs deemed less than effective -- older drugs determined to be as safe but “less than effective” by the FDA’s Drug Efficacy Study Implementation (DESI) evaluation

Part B vs. Part D Coverage of Prescription Drugs
There are certain drugs that may be covered under either Part B or Part D. As a general rule, any drugs that were previously covered under Part B prior to the start of Part D (January 2006) are still covered under Part B today. Medicare Part D did not change Medicare’s limited coverage for drugs under Part B. Here are some examples of drugs that may be covered either by Part B or Part D, depending on the situation.

- Antigens
  - Part B – Can be covered
  - Part D – NOT covered
● **Erythropoietin (EPO)**  
  *(Examples: Aranesp, Epogen, Procrit)*  
  o Part B – End Stage Renal Disease (ESRD) – for treatment of anemia  
  o Part D – Other than for ESRD  

● **Immunosuppressive Drugs**  
  *(Examples: Cyclosporine, Methotrexate, Prednisone)*  
  o Part B – following a Medicare-covered transplant  
  o Part D – if Medicare did not cover the transplant  

● **Drugs Furnished “Incident To” a Physician’s Services**  
  *(Not Usually Self-Administered) (Example: Avonex for multiple sclerosis)*  
  o Part B – drugs purchased by doctor and administered at the office  
  o Part D – drugs purchased at pharmacy that may be administered at the office  

● **Oral Anti-Cancer Drugs**  
  *(Examples: Busulfan, Cyclophosphamide, Methotrexate)*  
  o Part B – For cancer treatment  
  o Part D – For any other condition  

● **Parenteral Nutrition**  
  o Part B – Non-functioning Digestive Tract  
  o Part D – All other situations  

● **Drugs Administered Through Part B Covered Durable Medical Equipment (DME) (such as Infusion Pump or Nebulizer)**  
  *(Example: Insulin administered through Insulin Pump or Proventil (Albuterol) through a Nebulizer)*  
  o Part B – Administered Through Part B Covered DME  
  o Part D – All other situations  

● **Vaccines**  
  o Part B – Influenza, Pneumococcal and Hepatitis B (if at high risk only)  
  o Part B – Vaccines given directly related to the treatment of an injury or direct exposure to a disease or condition  
  o Part D – All other vaccines and Hepatitis B (if NOT at high risk)  

**Note:** Besides knowing how Medicare covers a drug, you may also want to know how it is billed to Medicare. How the same drug is billed to Medicare may vary depending on the form of the drug, where it is purchased and how it is administered. For instance, a drug in tablet form may be covered under Part D and billed to the Part D plan. However, if you are receiving higher dosage injections of that same drug at the doctor’s office that may be covered under Part B. If you are purchasing the injectable drug at the pharmacy and then bringing it to the doctor, the pharmacy would bill Part D. But if the doctor is purchasing the drug, the doctor would bill Part B for the cost of the drug, as well as its administration.  

**Note:** The shingles vaccine (Zostavax) is billed to Part D for both the vaccine and its administration.  

Prescription drugs administered in an inpatient hospital or skilled nursing facility (SNF) setting are usually covered by Medicare Part A. However, these drugs can be covered under Part B if the person does not have Part A coverage, Part A coverage of the hospital or SNF stay has run out, or if a stay is not covered.

Prescription drugs administered in a hospital outpatient setting (i.e., the Emergency Room or people considered to be under “observation status”) are usually not covered by Medicare Part A or B, but may be covered under Part D.

**COST UTILIZATION TOOLS**

In an effort to control costs, many Part D plans employ “utilization management” tools, the most common of which are the following - prior authorization, step therapy and quantity limits. Additionally, plans use tiers to further control costs.

**Tiers**

Most Part D plans divide their formulary into “tiers” and encourage the use of drugs covered under the lowest tiers, by assigning different copayments or coinsurance for each tier. For instance, drugs covered under a lower tier, such as for generics, would require less cost sharing than those covered under a higher tier, such as for brand name medications.

**Note:** A plan may utilize one specialty tier. Only drugs with a cost greater than $600 may be placed in the specialty tier. Coinsurance in the specialty tier is limited to 33% and exceptions are not allowed for the cost sharing amount. (Remember that Extra Help recipients can’t be charged more than the maximum LIS copay, even for drugs in specialty tiers.)

**Prior Authorization (PA)**

Prior authorization means that the person’s doctor must request permission ahead of time from the plan to get the drug covered, and the beneficiary may have to meet specific criteria before the plan will approve the request.

**Step Therapy (ST)**

Step therapy is a type of prior authorization where a Part D plan will require a beneficiary to try less expensive drugs for the same condition before they will pay for a more expensive or brand name medication. Beneficiaries who have already tried the less expensive drugs should speak to their doctor about contacting the plan to request an exception (explained below).

**Quantity Limits (QL)**

For safety and cost reasons, plans may limit the quantity of drugs that they cover over a certain period of time. For instance, a plan may only cover up to a 30-day supply of a drug at a time. However, regardless of the quantity they approve, the same copayment applies.

**Note:** Tiers, prior authorization, step therapy and quantity limits, are all indicated on the [www.medicare.gov](http://www.medicare.gov) Web site, when searching for particular drugs covered under a Part D plan.
PROTECTIONS – TRANSITIONS, EXCEPTIONS AND APPEALS

Formulary changes
A Part D plan’s formulary can change from year to year. Within the plan year itself (between January 1st and December 31st), plans are also allowed to make changes to their formulary. These are known as “midyear” formulary changes.

Plans who remove a drug from their formulary midyear or change its cost sharing are supposed to give 60 days’ notice in advance to affected members, their prescribing doctors and pharmacists. If the plan doesn’t provide advance notice to affected members, the plan must provide a 60-day supply of the drug at the time of refill, as well as written notice at that time. Plans will exempt existing members from the formulary change for the remainder of the year.

Plans should post midyear formulary changes on their website.

Transition Process
Each Part D plan must have a transition process in place during the first 90 days of coverage for new enrollees. The transition process ensures that new members can continue to access any non-formulary drugs they had been taking before they joined the plan. The transition process also applies to drugs that are on the Part D plan’s formulary but have a prior authorization or step therapy requirement. This transition process provides a one-time refill (a 30-day supply, unless the prescription is for less than 30 days).

Transition fills must also be made available to current members at the beginning of a new plan year that are affected by negative formulary changes (meaning that a drug they were taking last year was removed from this year’s formulary or became subject to prior authorization or step therapy in the new plan year).

Plans are required to send a written notice to each enrollee within 3 business days of the transition fill, explaining that the transition fill is temporary and advising beneficiaries to contact their health care providers. During the transition, beneficiaries should be speaking to their doctor about either switching to a formulary drug, requesting an exception (below), or considering switching to a different plan if they have the option to do so.

Exceptions and Appeals
In addition to the transition process, Part D plans must have procedures that provide enrollees with the opportunity to challenge the exclusion of a particular drug from a plan’s formulary, the placement of a drug on a higher cost-sharing tier (tier exceptions), or the imposition of utilization management tools (prior authorization, step therapy, quantity limits). These procedures include the coverage determination process (sometimes called the “exception” process) and the appeals process.

Note: These processes are not available for drugs that are excluded from the standard Medicare Part D drug benefit.

Note: Tier exceptions may only be requested for brand name drugs covered under a non-preferred instead of a preferred tier. Tier exceptions cannot be requested to have brand name drugs covered under a generic tier, or to have specialty drugs covered at a lower tier.
Coverage Determinations/Exceptions Process
As an initial step, enrollees can file a coverage determination request with their plan if a particular
drug is not on the plan’s formulary, or is subject to utilization management, or the enrollee is
seeking a tier exception for the drug.

Note: Tier exceptions may only be requested for brand name drugs covered under a non-preferred
instead of a preferred tier. Tier exceptions cannot be requested to have brand name drugs
covered under a generic tier, or to have specialty drugs covered at a lower tier.

The terms “coverage determination” and “exception” are generally used interchangeably, although
an exception is one type of a coverage determination request. For simplicity’s sake, CMS has
developed a model form which beneficiaries and their physicians can use for most types of coverage
determination/exception requests, available at http://www.cms.gov/Medicare/Appeals-and-

Plans often have their own coverage determination request forms, although they cannot require
beneficiaries or their physicians to use a specific form. As of January 2012, CMS implemented a
uniform exceptions and appeals process … meaning that, among other things, there is one
standardized form to be used by all plans.

Physicians and appointed representatives (such as a family member) may assist enrollees in
requesting a coverage determination. Plans must make their determinations as expeditiously as an
enrollee’s health condition requires, but no later than 24 hours for expedited decisions involving
enrollees who suffer from serious health conditions, and 72 hours for standard decisions. The
timeframe generally begins with the plan’s receipt of the physician’s supporting statement that the
Part D preferred drug for treatment of the condition would not be as effective or would have an
adverse effect for the enrollee. If a plan does not make a coverage determination or redetermination
within the appropriate timeframes, the decision is automatically forwarded to the Independent
Review Entity (IRE) (see Appeals section below) for review.

Generally, plans must approve coverage determination/exception requests when they determine that
it is medically appropriate to do so. If the request involves a plan’s tiered cost sharing issue, the
drug being prescribed may be covered if the prescribing physician determines that the preferred
drug for treatment of the same condition would not be as effective as the non-preferred drug or
would have an adverse effect for the enrollee, or both. If the enrollee is requesting coverage of a
non-formulary drug, the drug may be covered if the prescribing physician determines that all of the
drugs on the formulary would not be as effective as the non-formulary drug or would have adverse
effects for the enrollee, or both. In both cases, the plan would have to agree with the physician’s
determination.

Note: The coverage determination process can be used if a plan is not recognizing a beneficiary’s
Extra Help (LIS) status and is charging the wrong copayments. However, as a practical
matter, it is usually more expeditious to utilize the Best Available Evidence (BAE) policy.

Appeals Process
If a plan makes an unfavorable coverage determination such as denying an exception request, the
enrollee, or his or her appointed representative, may appeal the plan’s decision. The Medicare
Prescription Drug appeals process is modeled after the Medicare Advantage appeals process. An
appeal must be filed within 60 calendar days of a plan’s decision to deny coverage.
<table>
<thead>
<tr>
<th>Level</th>
<th>Standard Appeal</th>
<th>Expedited Appeal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>If the PDP’s initial coverage determination is unfavorable, an enrollee may request a redetermination and the plan has up to 7 days to make its decision.</td>
<td>Same as standard except the timeframe is up to 72 hours for the plan to make its decision.</td>
</tr>
<tr>
<td>2</td>
<td>If the PDP’s redetermination is unfavorable, an enrollee may request a reconsideration by an IRE, which is a CMS contractor that reviews determinations made by a plan. The IRE has up to 7 days to make its decision.</td>
<td>Same as standard except the timeframe is up to 72 hours for the IRE to make its decision.</td>
</tr>
<tr>
<td>3</td>
<td>If the IRE’s reconsideration is unfavorable, an enrollee may request a hearing with an ALJ if the amount in controversy is at least $130 (in 2012). ALJ generally has 90 days to make a decision.</td>
<td>10 day time limit.</td>
</tr>
<tr>
<td>4</td>
<td>If the ALJ’s decision is unfavorable, an enrollee can request MAC review. MAC generally has 90 days to make its decision.</td>
<td>10 day time limit.</td>
</tr>
<tr>
<td>5</td>
<td>If the MAC decision is unfavorable, an enrollee can appeal the decision in federal court, if the amount in controversy is at least $1,350 (in 2012).</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**Note:** The beneficiary may be held responsible for the cost of a drug during the exception/appeals process but if the final decision is favorable, they can receive retroactive reimbursement from the plan at the rate that the plan would have paid.

**HELP!** The Medicare Rights Center’s [www.medicareinteractive.org](http://www.medicareinteractive.org) website can help you through the appeals process. Also, MCCAP-funded agencies can provide help with Part D appeals, including representing individual beneficiaries in the appeals process. For a list of MCCAP agencies, go to [http://www.aging.ny.gov/NYSOFA/Programs/EconSecurity/MCCAP.cfm](http://www.aging.ny.gov/NYSOFA/Programs/EconSecurity/MCCAP.cfm)

**Note:** If a Part D plan is not following Medicare rules, and efforts to resolve the problem directly with the plan have failed, a formal complaint can be filed with the CMS regional office. CMS regional office staff will investigate and attempt to resolve the complaint. HIICAPs should use the Complaint Tracking Module (CTM) system to file such a complaint.

**“MEDICAID WRAP-AROUND”**

Before Medicare Part D, dual eligibles previously received coverage for most of their prescription drugs through Medicaid. After Medicare Part D began, Medicaid provided some “wrap around” coverage to pay for drugs that dual eligible beneficiaries were unable to get covered by their Medicare Part D plan.

*However, the Medicaid wrap for Part D drugs ended in the fall of 2011.* Medicaid no longer covers or “wraps” around any Part D drug.

Medicaid continues to pay for a few prescription drugs excluded from the Medicare prescription drug benefit. These drugs include benzodiazepines, barbiturates, select prescription vitamins and certain nonprescription drugs (over the counter medications).
Note: Check the NYS Department of Health Medicaid Updates at the following link for the latest information on Medicare Part D and Medicaid.
http://www.health.state.ny.us/health_care/medicaid/program/update/main.htm

MEDICARE PART D AND OTHER DRUG COVERAGE

**Employer/Union**
People with Medicare who have coverage for prescription drugs through a former employer or union should receive an annual notice from that organization stating whether or not their coverage is creditable. Creditable coverage is determined to be at least as good as the standard Medicare Prescription Drug Coverage. If it is creditable coverage, the beneficiary may want to keep that coverage and not enroll in a Medicare Prescription Drug Plan. If the beneficiary loses their creditable drug coverage from their former employer or union, either voluntarily or involuntarily, they will be granted a Special Enrollment Period (SEP) in which to sign up for the Medicare Prescription Drug Coverage without having to wait for the next enrollment period or pay a penalty for late enrollment.

Note: Employer-based drug coverage includes coverage through the beneficiary, their spouse, or other family member’s current employment, retiree coverage or even through COBRA.

**EPIC**
Medicare Prescription Drug Coverage and EPIC is covered in Module 8.

**ADAP (AIDS Drug Assistance Program)**
ADAP, administered through the NYS Department of Health, provides free medications for the treatment of HIV/AIDS and opportunistic infections. There is an income and resource test for ADAP (Income cap is $44,000 annually for a household of one and $59,200 for two; liquid assets must be less than $25,000.)

For beneficiaries who have both ADAP and Medicare Part D, Medicare Part D will generally be the primary payor for HIV-related medications. ADAP can help with Medicare Part D copayments and deductibles, and will pick up the cost of HIV-related medications during the Part D coverage gap. As of January 2011, ADAP expenditures during the coverage gap count toward TrOOP.

Additionally, ADAP can be billed as primary payor in order to meet a Medicaid spenddown obligation (i.e., if the person needs Medicaid or Extra Help coverage).

For more information about how ADAP and Part D work together, go to 
http://www.health.state.ny.us/diseases/aids/resources/adap/medicarefaqs.htm

**Medigap**
Medigap plans stopped offering prescription drug coverage in 2006. However there are some beneficiaries who were enrolled in Medigap plans H, I, or J with prescription drug coverage prior to 2006 that are still enrolled in the same Medigap plan. (Plans H, I and J no longer exist in the current standardized Medigap plans; they were eliminated in June 2010.)

Note: These plans were never considered to be creditable drug coverage.
If a beneficiary kept their existing Medigap plan H, I or J with drug coverage and later wishes to enroll in a Part D plan, they will be subject to a late enrollment penalty.

**New York Prescription Saver Card**

New York offers a state-sponsored drug discount card for individuals under age 65 who are disabled or at least age 50. There is an income limit for this program, called the New York Prescription Saver (NYPS) card: $35,000 annual income for a single person and $50,000 for a married couple.

NYPS provides a discount on prescription drugs when used at an NYPS-participating pharmacy. Although NYPS cannot be used for drugs that are covered by other insurance (like Part D), you can use NYPS to pay for Part D excluded drugs, drugs that are not on the Part D formulary, and during the Part D coverage gap.

To apply for NYPS, go to [https://nyprescriptionsaver.fhsc.com/](https://nyprescriptionsaver.fhsc.com/) or call the NYPS helpline at 1-800-788-6917.

**Other Sources of Copay Assistance**

There are various other programs, including charitable organizations, drug discount cards and pharmaceutical drug assistance programs, which can help pay for prescription drugs. These programs may be able to assist individuals with no drug coverage at all, people who need help paying for a specific drug (i.e., off-label medication), as well as beneficiaries who have drug coverage but can’t afford their cost sharing obligation.

The “Needy Meds” Web site ([www.needymeds.org](http://www.needymeds.org)), administered by a national nonprofit organization, has a comprehensive listing of national and state resources to help pay for prescription medications, including:

- Pharmaceutical patient assistance programs
- Disease-based assistance programs
- Free/low-cost clinics
- Drug discount cards.

Other cost control tactics for prescription drugs include generic substitution, mail order pharmacy purchase, and comparison-shopping. Studies reveal substantial price differences between pharmacies, including independents, chains, and supermarket drugstores.
<table>
<thead>
<tr>
<th>Income limit (monthly)</th>
<th>Resource limit</th>
<th>Eligibility for Extra Help</th>
<th>Timeline for enrollment</th>
<th>Late enrollment Penalty</th>
<th>Switching plans</th>
</tr>
</thead>
<tbody>
<tr>
<td>Varies</td>
<td>Varies</td>
<td>Deemed eligible (no need to submit application).</td>
<td>Automatically enrolled for 2012 if had Medicaid any month after 7/11.</td>
<td>No penalty if enrolled in Part D with Extra Help.</td>
<td>Once monthly, change effective first of following month.</td>
</tr>
<tr>
<td>Up to QMB: $931 single/1,261 married SLMB: $1,117/1513 QI-1: $1,257/1703</td>
<td>$8,440 single/13,410 married including $1,500 burial expenses per applicant and spouse</td>
<td>Submit application to Social Security to receive Low Income Subsidy (LIS); EPIC may submit. This information is sent to states for MSP screening.</td>
<td>If approved for Extra Help, facilitated enrollment if plan not chosen.</td>
<td>If no creditable coverage, 1% of current base premium (in 2012 base premium is $31.08), per month eligible but not enrolled.</td>
<td>Only during Annual Coordinated Election Period (10/15-12/7) for coverage effective 1/1, unless extenuating circumstances give a Special Enrollment Period. May disenroll from a Medicare Advantage plan, with or without drug coverage, and get Original Medicare and may join a Stand Alone Part D from 1/1-2/14, effective on the first day of the following month.</td>
</tr>
<tr>
<td>Up to $1,257 single/1,703 married</td>
<td>$13,070 single/26,120 married including $1,500 burial expenses per applicant and spouse</td>
<td>Not eligible.</td>
<td>Unless first eligibility for Medicare or use EPIC or other SEP, only during Annual Coordinated Election Period to be effective 1/1.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Up to $1,397 single/1,892 married</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 Anyone with Medicaid (including those with spend down who have spent down or paid in at least one month, Buy-In, or through a Supplemental Needs Trust) should be deemed eligible. All dual eligibles should be continued in or changed to a benchmark plan for 2012 unless they voluntarily changed from the plan originally assigned to them for 2011. Starting 10/1/11 Medicaid doesn’t cover antidepressants, atypical antipsychotics, antiretrovirals, nor antirejection drugs when the Part D plan won’t pay, but still does cover benzodiazepines and barbiturates that by law Part D plans can’t pay for until 2013, plus select prescription vitamins and certain non-prescription drugs, for duals only.

2 Income considerations: Income limits are higher for Social Security LIS if there are additional household members, such as minor children. Non-Medicare spouse is counted in all cases for Medicare spouse’s income eligibility for MSP. There are monthly earned income disregards ($65, then 50% disregard) and a $20 unearned income disregard. If disabled or blind, can deduct impairment related work expenses. Interest income not counted on LIS application. Medical insurance premiums are deductible for MSP. 

3 Extenuating Circumstances that give a Special Enrollment Period include moving outside plan service area, involuntary change in creditable coverage, going to or from an employer group health plan, change in long term care facility living arrangement, or loss of an LIS. Joining EPIC or switching to a five star plan also gives a SEP. Use one change given to enroll in a new plan, not disenroll from old; disenrollment is automatic when enroll in new.

Updated 8/8/2012
<table>
<thead>
<tr>
<th>Monthly Premium</th>
<th>Medicare Savings Program (MSP)</th>
<th>Income 100-135% FPL</th>
<th>Income 135-150% FPL</th>
<th>Income above 150% FPL</th>
</tr>
</thead>
<tbody>
<tr>
<td>$0¹</td>
<td>$0³</td>
<td>$0³</td>
<td>Sliding scale based on income. Subsidy based on % of benchmark premium ($39.79). EPIC will pay up to additional $39.79 for members.⁴</td>
<td>Pay full premium which in NYS is $0-109.70. Additional surcharge if income is above $85,000 single/170,000 couple.</td>
</tr>
<tr>
<td>Annual Deductible</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$65, or less if in plan with lower deductible.</td>
</tr>
<tr>
<td>Co-pay⁵</td>
<td>$1.10 generic/$3.30 brand (2.60/6.50, if over 100% FPL) maximum $6,657.50 in drug costs; no co-pays thereafter. No co-pay for nursing home residents or those with HCBS waiver.</td>
<td>$2.60 generic/$6.50 brand, until either $6,657.50 in drug costs (per 1/21/05 CMS guidance and issue brief) or $4,700 “true out-of-pocket” costs (per Federal Regulation at 423.782(b) (3)); No co-pays thereafter.</td>
<td>15% of drug costs until either $6,657.50 total drug costs or $4,700 “true out-of-pocket” costs; $2.60 generic/ $6.50 brand thereafter.</td>
<td>Varies by plan. Gap starts at $2,930. After “true out-of-pocket” costs reach $4,700, co-pays are 5% of drug costs, or $2.60 generic/ $6.50 brand, whichever is more. During gap, brand drugs discounted 50% and generics subsidized 14%.</td>
</tr>
<tr>
<td>Interaction with EPIC</td>
<td>Not eligible for EPIC, except those with spend down.</td>
<td>Starting 1/1/12 EPIC pays only during gap and those with Extra Help have no gap. EPIC will pay up to $39.79 additional for higher premium or enhanced coverage plans.</td>
<td>Starting 1/1/12 must have Part D but no EPIC fee. EPIC pays up to $39.79 additional premium and will continue to apply for Extra Help for those income and asset eligible.</td>
<td>EPIC pays max $39.79 premium up to income $23,000 single or $29,000 couple. Starting 1/1/12 must have Part D but no EPIC fee or deductible, and EPIC pays only during gap (not during deductible or catastrophic periods) for Part D drugs on plan formulary or drugs excluded by law.</td>
</tr>
<tr>
<td>Advocacy Tips</td>
<td>Confirm that client has plan with fewest restrictions. Enroll in an MSP unless a bigger spend down is worse than paying the Part B premium.</td>
<td>Confirm that client has plan with fewest restrictions. Also submit Extra Help application for faster coverage and earlier application date.</td>
<td>Confirm that client has best plan. Beneficiaries with incomes within this limit can also get an MSP.</td>
<td>Try to spend down to Medicaid at least once using drug costs paid in the previous three months by EPIC or ADAP, or medical costs to obtain full Extra Help until 12/31/12.</td>
</tr>
</tbody>
</table>

Thanks to Bethene Trexel, RSVP/ACES volunteer, for table concept and updates, and Eric Hausman, DFTA, for checking.

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¹ Clients opting for a higher premium plan or enhanced coverage will be required to pay the difference between their plan and the benchmark amount ($39.79 in 2012) or an additional premium unless they also have EPIC which will pay up to $39.79 more for up to income $23,000 single, $29,000 couple.
² All co-pays, including those after drug costs reach catastrophic coverage, refer to drugs on the plan formulary and purchased at a participating pharmacy.
³ $6,657.50 is total drug costs. (Example: a person pays a $1 co-payment for a drug and the drug plan pays $90, $91 is counted toward the total annual drug costs).
⁴ “True out-of-pocket” costs, or TrOOP, are costs actually paid by the beneficiary, another person on behalf of the beneficiary, the 50% paid by drug companies during the gap, ADAP, or EPIC, and not reimbursed by a third-party (such as a supplemental insurance plan sponsored by a former employer). The TrOOP amount counts toward reaching catastrophic coverage. Neither excluded drugs, nor the 14% generics subsidy, count toward TrOOP.
⁵ Updated 8/8/2012
Sources of Assistance

NYS OFA HIICAP Hotline 1-800-701-0501

1-800-MEDICARE 1-800-633-4227
www.medicare.gov

New York State Office for the Aging Senior Hotline 1-800-342-9871

Independent Review Entity (IRE)
MAXIMUS Federal Services 1-877-456-5302
Part D QIC Fax: 866-825-9507
860 Cross Keys Office Park
Fairport, New York 14450

Publications:

  [http://www.medicare.gov/Publications/Pubs/pdf/11109.pdf](http://www.medicare.gov/Publications/Pubs/pdf/11109.pdf)

- *If You Get Extra Help, Make Sure You’re Paying the Right Amount* (CMS 11324) (revised January 2012)
  [http://www.medicare.gov/Publications/Pubs/pdf/11324.pdf](http://www.medicare.gov/Publications/Pubs/pdf/11324.pdf)

- *Closing the Coverage Gap – Medicare Prescription Drugs Are Becoming More Affordable* (CMS 11493) (revised January 2012)
  [http://www.medicare.gov/Publications/Pubs/pdf/11493.pdf](http://www.medicare.gov/Publications/Pubs/pdf/11493.pdf)

  [http://www.medicare.gov/Publications/Pubs/pdf/11136.pdf](http://www.medicare.gov/Publications/Pubs/pdf/11136.pdf)


- *Quick Facts about Medicare Prescription Drug Coverage for People Who Have Drug Coverage from an Employer or Union* (CMS 11107) (revised Feb 2011)
  [http://www.medicare.gov/Publications/Pubs/pdf/11107.pdf](http://www.medicare.gov/Publications/Pubs/pdf/11107.pdf)

- *Medicare Prescription Drug Benefit Manual* (updated periodically)