

Summary

For Medicare enrollees, purchasing Medicare supplemental (Medigap) coverage helps fill gaps in their Medicare Fee-For-Service (FFS) benefits. This report describes Medigap coverage options, demographics of enrollees with Medigap policies, and the most recent enrollment trends by using the latest available data sources: the 2018 National Association of Insurance Commissioners (NAIC) data, the 2018 California's Department of Managed Health Care data, and the 2017 Medicare Current Beneficiary Survey (MCBS) results.



Among fee-for-service (FFS) Medicare enrollees without additional insurance coverage (such as Medicaid, employer-provided insurance, etc.), 49 percent had Medigap coverage in 2017.



Between December 2017 and December 2018, the national Medigap enrollment increased from 13.5 million to 14.0 million enrollees.



Medicare enrollees with Medigap coverage were two times less likely to have problems paying medical bills compared to enrollees without Medicare Supplement policies. Only 5% of enrollees with Medigap coverage reported having difficulty paying medical bills in last 12 months, compared to 12% of FFS Medicare enrollees without Medigap coverage.







What Is Medicare Supplement?

Medicare Supplement (also known as Medigap) is a key source of additional coverage for Medicare enrollees to further protect their health and financial security. Seniors purchase Medigap coverage to protect themselves from high out-of-pocket costs not covered by traditional Medicare, to budget for medical expenses, and to avoid the confusion and inconvenience of handling complex bills from health care providers.

In 2018, the traditional Medicare program had a \$1,340 deductible per benefit period for inpatient hospital care (Part A) and coinsurance beginning with day 61 of hospitalization. Part B required 20% coinsurance for outpatient and physician care after an annual deductible of \$183. The traditional Medicare program does not have a limit on enrollees' potential out-of-pocket costs.

Appendix A, found at the end of this report, provides detailed information on the benefits and cost sharing features of 2018 standardized Medigap plans.

Standardized Plans. Over the last 25 years, Medigap plans have undergone four major changes to benefit designs. First, the provisions of the Omnibus Budget Reconciliation Act of 1990 (OBRA 1990) required that policies sold after July 1992 conform to one of 10 uniform benefit packages, known among Medicare Supplemental plans as Plans A through J. Then in 2003, the Medicare Modernization Act (MMA) required elimination of prescription drug benefits from Medicare Supplement coverage, authorized the two new plans (K and L) with cost sharing features, and encouraged development of standardized benefit designs with additional cost-sharing features.

Further changes to standardized plans occurred in 2008 with the passage of the Medicare Improvements for Patients and Providers Act (MIPPA)³ and included:

- Elimination of the at-home recovery benefit in favor of a new hospice benefit (described below);
- Addition of a new core hospice benefit that covers the cost sharing under Medicare FFS for palliative drugs and inpatient respite care;
- Removal of the preventive care benefit in recognition of the increased Medicare FFS coverage under Part B;
- Introduction of two new Medigap policies (Plans M and N) with increased enrollee cost-sharing features; and
- Elimination of several standardized plans (Plans E, H, I, J and J with high deductible) that became duplicative or unnecessary due to benefit design changes.

All Medigap plans are "guaranteed renewable" regardless of when they were purchased. Therefore, some policyholders continue to maintain plans with previous benefits even though the plans can no longer be sold.

Most Medigap plans cover enrollees' Part A deductible and Part B coinsurance. Two plans—standardized plans C and F—offer full coverage for the Part B deductible (Plan F can also be sold as a high-deductible plan). These two plans also cover Part B coinsurance and copayment amounts, as do most but not all standardized plans.

Plans K and L do not cover the Medicare Part B deductible and cover a portion of enrollees' Part B coinsurance. However, there is a limit on enrollees' annual out-of-pocket costs for Medicare eligible expenses —\$5,240 for Plan K and \$2,620 for Plan L in 2018.⁴

New Plans M and N entered the market in June of 2010. Plan M covers half of the Part A deductible and does not cover the Part B deductible. Plan N covers all of the Part A deductible and does not cover the Part B deductible. Plan N also includes cost-sharing amounts of up to \$20 for certain physician visits and up to \$50 for certain emergency department visits.

Medicare SELECT plans are identical to standardized Medigap plans but require policyholders to use provider networks to receive the full insurance benefits. For this reason, Medicare SELECT plans generally cost less than other Medigap plans.

In April 2015, Congress passed the Medicare Access and CHIP Reauthorization Act of 2015 (MACRA). This new law provides that beginning on Jan. 1, 2020, Medigap insurance carriers may no longer sell Medigap plans covering the Part B deductible to individuals who are "newly eligible" for Medicare. People who attain age 65 before Jan. 1, 2020, and those who were eligible for Medicare due to disability before that date, will continue to have access to Plans C and F, which are the only standardized plans currently available for sale that cover the Part B deductible.

Waivered States. Three states (Massachusetts, Minnesota, and Wisconsin) offer standardized Medigap plans but are exempt from the OBRA 1990 standardized plan provisions (and subsequent revisions under the MMA or MIPPA). Standardized plans may therefore be changed by waivered states without federal approval. Individuals who purchase Medigap plans in one of these three states may keep their plans if they move to other states.

Pre-Standardized Plans. Historically, Medigap changes have been phased in for new purchasers, and existing policyholders were allowed to retain their pre-standardized policies. Although OBRA 1990 prohibited the sale of new pre-standardized plans, some enrollees still have pre-standardized policies. Because these policies may no longer be sold, there has a been a 27% decline in the enrollment in pre-standardized plans since 2015.

Who Enrolls in Medicare Supplement?

National Medigap enrollment has been growing in each of the last four years for which data are available. In 2018, 14 million Americans had Medicare Supplement coverage - an increase of 3.7% compared to 2017 (See Table 1).

Table 1. Trends in National Medigap Enrollment, 2014-2018

| Statistic | Year | | | |
|---|------------|------------|------------|------------|
| | 2015 | 2016 | 2017 | 2018 |
| Enrollment reported to NAIC | 11,835,727 | 12,636,647 | 13,059,201 | 13,546,429 |
| Enrollment reported to California DMHC | 421,236 | 425,657 | 435,259 | 444,391 |
| Total national Medigap enrollment | 12,256,963 | 13,062,304 | 13,494,460 | 13,990,820 |
| Annual percent change in total national Medigap enrollment, % | 5.7% | 6.6% | 3.3% | 3.7% |

Source: AHIP Center for Policy and Research analysis of the NAIC Medicare Supplement Insurance Experience Exhibits, for the Years Ended Dec. 31, 2014; Dec. 31, 2015; Dec. 31, 2016; Dec. 31, 2017; and Dec. 31, 2018 and of the California DMHC The Enrollment Summary Reports, 2014-2018. **Notes:** National enrollment statistics previously presented in AHIP's reports Trends in Medigap Enrollment and Coverage Options, 2013, 2014, 2015 included only the Medigap enrollment numbers reported by insurers to the NAIC.

The share of enrollees in Medicare Supplement has been steadily growing. However, in 2017-18 the annual rate of growth in the national Medigap enrollment somewhat moderated, (see Table 1). As a result, the national share of enrollees with Medigap insurance remained largely unchanged at 34.0% in 2017 and 33.7% in 2018 (See Figure 1).

Please note that this represents a revision of the 2017 rate of enrollees with Medigap insurance from 35.1% (as previously reported in State of Medigap 2019) to 34.0%. In preparation of this report, AHIP identified inconsistencies in the publicly available CMS statistics from 2017 on the Medicare-eligible population (CMS Medicare Advantage/ Part D Contract and Enrollment Data, Monthly Enrollment by State files) and notified CMS. Subsequently, CMS amended the state-level statistics on the number of Medicare-eligible individuals, and these amended statistics were used to calculate Figure 1.

Figure 1. Share of Medicare Fee-For-Service Enrollees with Medigap Insurance, 2013-2018

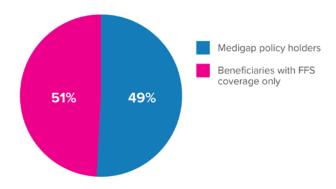
| Year | Medigap, Total covered lives (state) | Total FFS | Percent of Medicare FFS Beneficiaries with Medigap |
|------|--------------------------------------|------------|--|
| 2013 | 11,264,020 | 36,570,503 | 30.8% |
| 2014 | 11,594,238 | 37,371,975 | 31.0% |
| 2015 | 12,256,963 | 37,488,532 | 32.7% |
| 2016 | 13,062,304 | 38,720,520 | 33.7% |
| 2017 | 13,494,460 | 39,635,307 | 34.0% |
| 2018 | 13,990,820 | 41,520,608 | 33.7% |

Source: National Association of Insurance Commissioners (2013-2017), California's Department of Managed Health Care (2013-2017).

Notes: The enrollment data for this Figure include Medigap enrollment numbers reported by insurers in 2013-2017 to both the NAIC and the California DMHC.

Nationwide, the Medicare Current Beneficiary Survey (MCBS) estimates show that 49% of all non-institutionalized Medicare enrollees without any additional coverage (i.e., Medicare Advantage, Medicaid, Veterans Affairs coverage, employer-provided insurance, retiree drug subsidy plan, self-purchased specialty plan, etc.) had Medigap policies in 2017.

Figure 2. Medicare Enrollees Without Any Additional Insurance Coverage That Have Medigap Coverage, 2017



Source: Medicare Current Beneficiary Survey Public Use Files, 2017 (CMS).

Demographic Characteristics of Medigap Enrollees

The demographic characteristics of Medigap enrollees are based on the Medicare Current Beneficiary Survey (MCBS) 2017 data, which is the latest year of data available.

Gender

Across the country, a majority—56% —of Medigap enrollees in 2017 were women (see Table 2).

Table 2. Gender Distribution of Medigap Policyholders, by Geographic Location, 2017

| Geographi | c Location | Gender Distribution | |
|----------------------------|------------|---------------------|--|
| | Men | Women | |
| All Medigap Policy Holders | 44% | 56% | |

Source: Medicare Current Beneficiary Survey Public Use Files, 2017 (CMS).

Note: Calculations based on responses by non-institutionalized Medicare enrollees reporting gender.

Age

Medicare enrollees with Medigap insurance were older than the general Medicare population: 43% of Medigap policyholders were 75 years old or older compared with 35% for all Medicare enrollees (see Table 3).

Table 3. Age Distribution of Medigap Policyholders, by Geographic Location, 2017

| Age Groups | | | | | |
|--|-----|-----|-----|--|--|
| Younger Than 65 Years 65-74 Years 75 Years and Older | | | | | |
| All Medicare | 15% | 50% | 35% | | |
| All Medigap | 4% | 53% | 43% | | |
| Urban Medigap | 4% | 53% | 43% | | |
| Rural Medigap | 2% | 54% | 43% | | |

Source: Medicare Current Beneficiary Survey Public Use Files, 2017 (CMS).

Note: Calculations based on responses by non-institutionalized Medicare enrollees reporting age. The percentages in this table may not sum to 100 due to rounding.

Income and Financial Security

A significant number of Medigap policyholders were individuals with lower incomes: 12% had annual household incomes of 135% of the Federal Poverty Line (FPL) or less (the threshold used by the CMS to determine the eligibility for the need-based Part D subsidies) and 28% had incomes 200% of the FPL or less. This pattern was more widespread in rural areas, where 36% of Medigap policyholders had 200% of the FPL or less, while for urban policyholders the share of individuals with annual household incomes of 200% of the FPL or less was 25% (see Table 4).

Table 4. Income Range of Medigap Policyholders (Enrollee's Household Income as Share of Federal Poverty Level), By Geographic Location, 2017

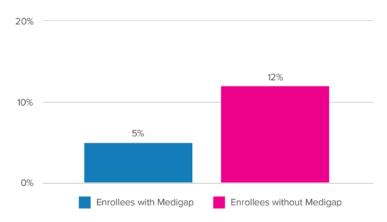
| Enrollee's Household Income as Share of Federal Poverty Level (FPL) | | | | | | |
|---|----|----|----|-----|-----|--|
| <=100% FPL | | | | | | |
| All Medigap | 6% | 3% | 3% | 16% | 72% | |
| Urban | 6% | 3% | 3% | 14% | 75% | |
| Rural | 7% | 4% | 5% | 21% | 64% | |

Source: Medicare Current Beneficiary Survey Public Use Files, 2017 (CMS).

Note: Calculations based on responses by non-institutionalized Medicare enrollees reporting age. The percentages in this table may not sum to 100 due to rounding.

Medicare enrollees with Medigap coverage were more than two times less likely to have problems paying medical bills compared to enrollees without Medicare Supplement policies (see Figure 3).

Figure 3. Share of Medicare Enrollees Who Had Problems Paying Medical Bills in Last 12 Months, by Medigap Insurance Status, 2017



Note: The category of Medicare enrollees without Medigap excluded any enrollees who reported being enrolled in a Medicare Advantage plan at any time during the calendar year of the interview.

Geography

25% of Medigap policyholders lived in non-metropolitan areas (which, for the purpose of this report, include any area with an urban cluster of less than 10,000 people) in 2017.

Rural Medigap policyholders had substantially fewer financial resources than urban policyholders: Only 64% of rural Medigap policyholders had incomes above 200% of the FPL compared to 75% for urban Medigap policyholders (see Table 4).

Marital Status

Many Medigap enrollees live without a partner and thus have less robust support networks to rely on in case of financial or health problems: 41% of Medigap enrollees were widowed, divorced, separated, or never married in 2017 (See Table 5). Medigap coverage provides an important source of security for that potentially vulnerable group.

Table 5. Marital Status of Medigap Policyholders, by Geographic Location, 2017

| Marital Status | | Geographic Location | |
|----------------|-------|---------------------|-----------|
| | Rural | Urban | All Areas |
| Married | 62% | 59% | 59% |
| Widowed | 23% | 23% | 23% |

^{*}Continued on Page 6

| Marital Status | | Geographic Location | |
|---------------------|------|---------------------|------|
| Divorced /Separated | 13% | 13% | 13% |
| Never Married | 2% | 6% | 5% |
| Total | 100% | 100% | 100% |

Source: Medicare Current Beneficiary Survey Public Use Files, 2017 (CMS).

Note: Calculations based on responses by non-institutionalized Medicare enrollees reporting age. The percentages in this table may not sum to 100 due to rounding.

Companies That Offer Medigap Coverage

As of December 2018, 9% of companies offering standardized Medigap policies covered individuals in 41 or more states or territories, 17% of companies covered individuals in 26 to 40 states or territories, 13% covered individuals in 11 to 25 states or territories, and 17% of companies covered individuals with standardized Medigap plans in 2 to 10 states or territories. In addition, 43% of all Medigap companies had standardized policies in force in a single state or territory (see Table 6).

Table 6. Distribution of Medigap Companies with Standardized Medigap Policies in Force, by Market Size, December 2018

| Number of States or Territories | Percent of Companies |
|---------------------------------|----------------------|
| 41 or more | 9% |
| 26 to 40 | 17% |
| 11 to 25 | 13% |
| 2 to 10 | 17% |
| 1 | 43% |

Source: AHIP Center for Policy and Research analysis of the NAIC Medicare Supplement Insurance Experience Exhibit, for the Year Ended Dec. 31, 2018. Notes: The enrollment data for this Figure do not include Medigap enrollment numbers reported by insurance providers in 2018 to the California DMHC. Data in this table depicting the number of states is based on companies with standardized Medigap policies in force; data do not include companies with only pre-standardized policies in force. The data for standardized policies include Medicare SELECT plans and those issued in three states (MA, MN and WI) that received waivers from the standardized product provisions of OBRA 1990. The number of companies with standardized Medigap policies in force reporting to the NAIC for 2018 was 289. The U.S. territories are Guam, Northern Mariana Islands, Puerto Rico and Virgin Islands. Percentages may not sum to 100 due to rounding.

Eighty-nine companies had Medicare SELECT policies in force for about 580,000 of Medicare enrollees on Dec. 31, 2018 (see Table 7). Companies with Medicare SELECT policies in force were located across the country in 40 states on December 31, 2018.

Table 7. Number of Companies with Medicare Select Policies in Force and Number of Enrollees with Medicare Select Plans, December 2017

| Number of Companies with Medicare SELECT Policies in Force | 89 |
|--|---------|
| Number of Enrollees with Medicare SELECT Policies | 582,217 |

Source: AHIP Center for Policy and Research analysis of the NAIC Medicare Supplement Insurance Experience Exhibit, for the Year Ended December 31, 2018

Notes: The enrollment data for this Figure do not include Medigap enrollment numbers reported by insurers in 2018 to the California DMHC.

Overall, the percentage distribution of reporting companies with standardized Medigap policies in force by plan type in 2018 remained largely unchanged from 2015-2017 for most plan types (see Table 8). However, Plan G and Plan N proved to be an exception to that trend, with progressively more insurance providers offering them every year. In 2018, 66% of Medigap insurance providers had Plan G policies in force vs. 52% in 2015, while 59% of insurance providers had Plan N policies in force in 2018 vs. 50% in 2015. Also, over time, fewer companies are offering Plan B, from 59% of insurance providers in 2015 to 55% in 2018.

Table 8. Percent of Companies with Standardized Medigap Policies in Force, by Plan Type, 2015 – 2018

| | Percent of Companies | | | | | |
|----------------------|----------------------|------|------|------|--|--|
| Plan Type | 2015 | 2016 | 2017 | 2018 | | |
| Α | 82% | 82% | 82% | 81% | | |
| В | 59% | 58% | 56% | 55% | | |
| С | 75% | 75% | 75% | 74% | | |
| D | 43% | 43% | 42% | 42% | | |
| E | 27% | 26% | 24% | 24% | | |
| F | 83% | 84% | 85% | 85% | | |
| G | 52% | 57% | 62% | 66% | | |
| Н | 22% | 22% | 21% | 21% | | |
| I | 22% | 21% | 20% | 19% | | |
| J | 25% | 24% | 23% | 22% | | |
| K | 15% | 16% | 15% | 15% | | |
| L | 16% | 15% | 15% | 14% | | |
| М | 10% | 10% | 10% | 9% | | |
| N | 50% | 54% | 56% | 59% | | |
| Waivered State Plans | 31% | 31% | 32% | 34% | | |

Source: AHIP Center for Policy and Research analysis of the NAIC Medicare Supplement Insurance Experience Exhibits, for the Years Ended December 31, 2015; December 31, 2016; December 31, 2017 and December 31, 2018.

Notes: The enrollment data for this Figure do not include Medigap enrollment numbers reported by insurance providers in 2018 to the California DMHC. The data for standardized policies include Medicare SELECT plans and those issued in three states (MA, MN and WI) that received waivers from the standardized product provisions of OBRA 1990. The number of companies with standardized Medigap policies in force was 271 for 2016, 282 for 2017, and 289 for 2018. All plans offering new coverage must offer Plan A. Plans E, H, I and J are no longer sold but some policyholders have retained their coverage for these plans.

Medigap Policies in Force

According to the NAIC data, 98% of Medigap policies in force on December 31, 2018 were standardized plans. Prestandardized plans, which were no longer sold after July 1992, account for only 2% of all Medigap policies (see Table 9).

Table 9. Number of Policies for Standardized and Pre-Standardized Medigap Plans, December 31, 2018

| | Policies | Percent |
|------------------------|------------|---------|
| Standardized Plans | 13,307,213 | 98% |
| Pre-Standardized Plans | 239,216 | 2% |
| All Medigap Plans | 13,546,429 | 100% |

Source: AHIP Center for Policy and Research analysis of the NAIC Medicare Supplement Insurance Experience Exhibit, for the Year Ended December 31, 2018. **Note:** The data for standardized plans contain both pre- and post-MIPPA plans. See page 3-4 for further explanation.

Among enrollees with Medigap standardized plans, Plan F retained its position as the plan with by far the highest number of enrollees, covering 53% of policyholders in 2018. Formerly the second most popular option, Plan C continued to lose its market share, falling from 8% in 2015 to 5% in 2018. At the same time, Plan G continued to rapidly gain market share, accounting for 17% of policyholders in 2018 compared to 8% in 2015. (see Tables 10-11).

Despite the variety of standardized Medigap plans in the market, only three plan types (F, G, and N) accounted for 80% of the total enrollment. At the same time, three standardized Medigap plans with the lowest enrollment (L, H, and M) combined added up to only 0.8% of all standardized policies (see Tables 10-11).

Table 10. Distribution of Enrollment by Standardized Plan Type, 2015-2018

| Standardized Plan | | Percent of | Enrollment | |
|----------------------|--------|------------|------------|--------|
| | 2015 | 2016 | 2017 | 2018 |
| Α | 1% | 1% | 1% | 1% |
| В | 3% | 2% | 2% | 2% |
| С | 8% | 7% | 6% | 5% |
| D | 2% | 1% | 1% | 1% |
| E | 1% | 1% | 1% | < 0.5% |
| F* | 57% | 55% | 55% | 53% |
| G | 8% | 10% | 13% | 17% |
| Н | < 0.5% | < 0.5% | < 0.5% | < 0.5% |
| I | 1% | 1% | 1% | 1% |
| J | 5% | 4% | 3% | 3% |
| K | 1% | 1% | 1% | 1% |
| L | < 0.5% | < 0.5% | < 0.5% | < 0.5% |
| M | < 0.5% | < 0.5% | < 0.5% | < 0.5% |
| N | 8% | 9% | 10% | 10% |
| Waivered State Plans | 6% | 5% | 5% | 5% |

^{*}Includes high-deductible Plan F.

Source: AHIP Center for Policy and Research analysis of the NAIC Medicare Supplement Insurance Experience Exhibits, for the Years Ended December 31, 2015; December 31, 2016; December 31, 2017; and December 31, 2018.

Notes: The enrollment data for this Figure do not include Medigap enrollment numbers reported by insurance providers in 2017 to the California DMHC. The data for standardized policies include Medicare SELECT plans and those issued in three states (MA, MN and WI) that received waivers from the standardized product provisions of OBRA 1990. Percentages may not sum to 100 due to rounding.

Table 11. Change in Medigap Enrollment, Standardized, Pre-Standardized and Waivered-State Policies, December 2015 to December 2018, by Plan Type

| Plan Type | | Enrol | Change in | Percent | | | |
|-------------------------|-----------|-----------|-----------|-----------|-------------------------|---------------------|--|
| | 2015 | 2016 | 2017 | 2018 | Enrollment 2017-2018 | Change 2017-2018 | |
| Α | 143,373 | 151,189 | 145,124 | 120,514 | -24,610 | -17% | |
| В | 294,935 | 273,199 | 251,163 | 227,256 | -23,907 | -10% | |
| С | 971,602 | 896,666 | 781,070 | 700,552 | -80,518 | -10% | |
| D | 192,640 | 177,654 | 160,726 | 146,347 | -14,379 | -9% | |
| E | 81,632 | 73,476 | 65,096 | 58,229 | -6,867 | -11% | |
| F | 6,496,615 | 6,939,504 | 7,062,798 | 7,043,167 | -19,631 | 0% | |
| G | 895,637 | 1,263,744 | 1,660,548 | 2,305,925 | 645,377 | 39% | |
| н | 34,654 | 31,359 | 29,931 | 33,299 | 3,368 | 11% | |
| I | 96,337 | 91,392 | 81,727 | 72,217 | -9,510 | -12% | |
| J | 521,422 | 479,014 | 441,742 | 407,964 | -33,778 | -8% | |
| K | 74,565 | 75,813 | 82,066 | 82,202 | 136 | 0% | |
| L | 48,535 | 47,989 | 49,295 | 47,858 | -1,437 | -3% | |
| М | 1,604 | 5,116 | 4,785 | 4,403 | -382 | -8% | |
| N | 966,887 | 1,143,035 | 1,280,507 | 1,342,350 | 61,843 | 5% | |
| Waivered State Plans | 641,157 | 659,431 | 690,099 | 714,930 | 24,831 | 4% | |

State of Medigap 2020

| Plan Type | | Enrol | Change in Enrollment | Percent Change | | |
|------------------------|------------|------------|-------------------------|-------------------|-----------|-----------|
| | 2015 | 2016 | 2017 | 2018 | 2017-2018 | 2017-2018 |
| Pre-Standardized Plans | 374,132 | 328,066 | 272,524 | 239,216 | -33,308 | -12% |
| Total | 11,835,727 | 12,636,647 | 13,059,201 | 13,546,429 | 487,228 | 4% |

Sources: AHIP Center for Policy and Research analysis of the NAIC Medicare Supplement Insurance Experience Exhibit, for the Years Ended December 31, 2015, 2016, 2017, and 2018.

Notes: The enrollment data for this Figure do not include Medigap enrollment numbers reported by insurance providers in 2017 to the California DMHC. The data for standardized policies include Medicare SELECT plans and those issued in three states (MA, MN and WI) that received waivers from the standardized product provisions of OBRA 1990.

Fast Growing Medigap Plans

In 2018, most of the enrollment growth was in plans G and N.

The enrollment in Plan G, which covers all Medicare deductible and coinsurance amounts except the Part B deductible, increased by 39% from 2017 to 2018, by almost 650,000 enrollees. Plan G posted the fastest rate of growth in 2018 in both relative and absolute terms.

Similarly, enrollment in Plan N—a new standardized plan with predictable cost-sharing amounts – also increased, growing by 5% from 2017 to 2018. However, this increase moderated somewhat compared to its typically double-digit rate of growth in the previous several years.

The enrollment in the largest Medicare Supplement plan by far, Plan F, remained largely unchanged in 2018 compared to the previous year, at 7,043,000 enrollees. The regular version of Plan F provides coverage for Medicare deductibles and coinsurance amounts. Plan F also includes a high-deductible option that allows for a deductible amount of \$2,240 (in 2018) before the policy can begin paying benefits.

At the same time, the enrollment in several other Medigap plan types continued to decline. The most sizable enrollment declines occurred in Plan A (-17%), Plan I (-12%), Plan E (-11%), Plan B (-10%), and Plan C (-10%)

As a side note, plan H demonstrated a robust rate of growth in 2018, increasing by 11%, which was even more remarkable given the fact that previously the enrollment in this plan has been steadily decreasing for several years. However, Plan H is one of the least popular Medigap plans, being offered by only 21% of the companies and having only around 33,000 policyholders nationwide. At that level of enrollment, the actions of a single insurance provider can have an oversized impact on the enrollment trends. More information from later years will be needed to determine if this increase becomes a trend or will be regarded as only a temporary, one-time event.

Medigap Policies by State

Table 12 shows enrollment in Medigap by state—including the District of Columbia and U.S. territories—and plan type as of December 31, 2018.

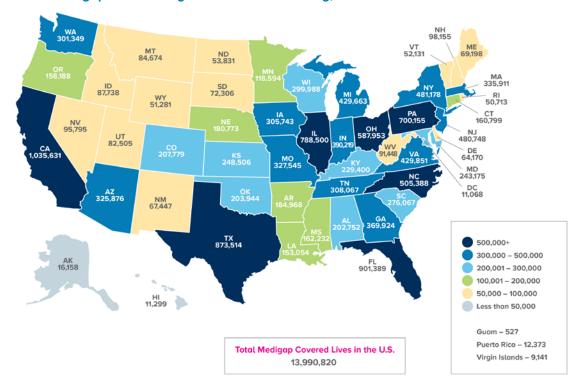
Figure 4 is a map of the United States representing the number of Medigap enrollees by state, District of Columbia, and U.S. territories, and Figure 4 is a map of the United States showing Medigap enrollees as a percentage of Medicare FFS enrollees by state, District of Columbia, and U.S. territories.

Table 12: Enrollment: Plan Type by State and Territory, As Reported to the NAIC, December 2018

| State | А | В | С | D | E | F | G | Н | 1 | J | K | L | М | N | Waivered | Pre- standardized | Total covered lives (state) |
|-------|-----|--------|-------|-----|-----|--------|--------|----|-----|-------|-----|-----|---|--------|----------|----------------------|--------------------------------------|
| AK | 266 | 97 | 410 | 57 | 35 | 10,735 | 1,713 | 5 | 225 | 907 | 216 | 145 | 0 | 1,242 | 0 | 105 | 16,158 |
| AL | 665 | 91,194 | 2,928 | 518 | 149 | 69,786 | 24,219 | 32 | 145 | 1,035 | 550 | 243 | 2 | 10,989 | 0 | 297 | 202,752 |

| State | Α | В | С | D | E | F | G | н | ı | J | K | L | M | N | Waivered | Pre- | Total |
|-------|--------|--------|---------|--------|--------|---------|---------|-------|--------|--------|-------|-------|-------|---------|----------|--------------|-----------------------------|
| | | | | | | | | | | | | | | | | standardized | covered lives (state) |
| AR | 488 | 373 | 1,393 | 357 | 60 | 36,741 | 16,584 | 15 | 117 | 2,152 | 490 | 277 | 3 | 7,293 | 0 | 118,625 | 184,968 |
| AZ | 1,828 | 901 | 9,951 | 591 | 411 | 195,282 | 74,748 | 424 | 1,026 | 9,003 | 2,429 | 1,130 | 15 | 26,941 | 0 | 1,196 | 325,876 |
| CA | 6,162 | 2,877 | 10,250 | 1,768 | 933 | 396,195 | 42,270 | 725 | 3,978 | 45,861 | 6,394 | 2,826 | 25 | 65,187 | 0 | 5,789 | 591,240 |
| со | 1,568 | 918 | 2,514 | 660 | 264 | 132,717 | 37,896 | 152 | 994 | 5,750 | 1,483 | 1,138 | 9 | 20,808 | 0 | 908 | 207,779 |
| СТ | 2,053 | 2,338 | 5,880 | 1,084 | 569 | 70,804 | 7,793 | 4,979 | 996 | 16,561 | 1,859 | 794 | 0 | 33,349 | 0 | 11,740 | 160,799 |
| DC | 166 | 96 | 307 | 31 | 34 | 7,176 | 713 | 11 | 111 | 1,135 | 117 | 48 | 0 | 984 | 0 | 139 | 11,068 |
| DE | 599 | 663 | 1,801 | 2,273 | 457 | 34,281 | 6,709 | 99 | 948 | 3,674 | 910 | 302 | 0 | 11,161 | 0 | 293 | 64,170 |
| FL | 8,169 | 28,433 | 55,032 | 44,604 | 8,411 | 555,187 | 27,313 | 1,310 | 5,376 | 64,445 | 8,606 | 4,232 | 120 | 80,902 | 2 | 9,247 | 901,389 |
| GA | 2,010 | 2,436 | 12,414 | 1,809 | 6,166 | 199,510 | 90,411 | 90 | 1,168 | 9,651 | 2,015 | 890 | 10 | 38,850 | 9 | 2,485 | 369,924 |
| GU | 11 | 9 | 129 | 0 | 0 | 301 | 15 | 0 | 0 | 19 | 1 | 1 | 0 | 41 | 0 | 0 | 527 |
| н | 113 | 56 | 304 | 26 | 10 | 7,625 | 568 | 13 | 44 | 476 | 403 | 70 | 0 | 1,534 | 0 | 57 | 11,299 |
| IA | 1,281 | 212 | 1,636 | 512 | 1,917 | 234,772 | 47,065 | 83 | 174 | 3,863 | 241 | 658 | 3 | 10,032 | 0 | 3,294 | 305,743 |
| ID | 599 | 241 | 1,203 | 117 | 68 | 48,035 | 25,616 | 26 | 139 | 2,774 | 1,373 | 340 | 14 | 6,996 | 0 | 197 | 87,738 |
| IL | 3,728 | 3,356 | 18,100 | 17,846 | 1,370 | 506,283 | 161,490 | 2,721 | 1,048 | 7,173 | 1,931 | 1,840 | 3 | 54,163 | 912 | 6,536 | 788,500 |
| IN | 2,848 | 2,211 | 8,650 | 2,358 | 1,532 | 201,604 | 113,457 | 407 | 1,396 | 7,199 | 1,243 | 1,053 | 23 | 43,545 | 0 | 2,693 | 390,219 |
| KS | 1,075 | 486 | 15,214 | 1,062 | 533 | 156,260 | 53,829 | 46 | 449 | 2,062 | 1,185 | 362 | 4 | 14,459 | 0 | 1,480 | 248,506 |
| KY | 1,242 | 3,744 | 13,644 | 789 | 3,778 | 126,598 | 46,942 | 1,723 | 766 | 2,718 | 824 | 569 | 3 | 24,268 | 0 | 1,792 | 229,400 |
| LA | 455 | 2,153 | 2,084 | 397 | 127 | 94,307 | 35,805 | 52 | 486 | 1,080 | 1,097 | 674 | 1 | 13,153 | 0 | 1,183 | 153,054 |
| MA | 119 | 73 | 592 | 57 | 96 | 2,405 | 89 | 28 | 147 | 755 | 56 | 35 | 3,031 | 604 | 327,209 | 615 | 335,911 |
| MD | 5,565 | 3,658 | 13,169 | 1,565 | 427 | 127,531 | 43,431 | 681 | 557 | 9,046 | 2,227 | 1,062 | 30 | 31,622 | 0 | 2,604 | 243,175 |
| ME | 1,102 | 624 | 6,348 | 348 | 523 | 42,879 | 4,063 | 23 | 1,388 | 2,732 | 368 | 188 | 96 | 8,351 | 0 | 165 | 69,198 |
| МІ | 8,005 | 950 | 111,012 | 997 | 454 | 139,085 | 85,583 | 117 | 923 | 5,503 | 1,994 | 803 | 5 | 68,591 | 0 | 5,641 | 429,663 |
| MN | 148 | 2,864 | 206 | 13 | 704 | 1,718 | 24 | 38 | 154 | 1,451 | 35 | 41 | 511 | 610 | 107,429 | 2,648 | 118,594 |
| МО | 1,981 | 1,950 | 8,938 | 4,555 | 904 | 186,122 | 87,259 | 374 | 1,707 | 7,753 | 1,032 | 904 | 11 | 21,139 | 0 | 2,916 | 327,545 |
| MP | 0 | 0 | 5 | 0 | 0 | 27 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 39 |
| MS | 1,329 | 815 | 2,506 | 577 | 152 | 100,109 | 41,479 | 48 | 170 | 3,355 | 599 | 348 | 3 | 9,946 | 0 | 796 | 162,232 |
| МТ | 551 | 289 | 3,513 | 308 | 71 | 53,974 | 16,563 | 22 | 339 | 2,099 | 550 | 237 | 5 | 5,692 | 28 | 433 | 84,674 |
| NC | 2,932 | 2,480 | 10,244 | 1,802 | 1,086 | 296,027 | 127,411 | 330 | 2,587 | 20,655 | 1,820 | 1,123 | 83 | 33,846 | 0 | 2,962 | 505,388 |
| ND | 173 | 54 | 926 | 98 | 9 | 44,138 | 6,416 | 18 | 62 | 605 | 37 | 26 | 0 | 1,085 | 0 | 184 | 53,831 |
| NE | 436 | 575 | 2,461 | 684 | 45 | 108,724 | 58,261 | 108 | 212 | 2,175 | 200 | 419 | 19 | 5,055 | 0 | 1,399 | 180,773 |
| NH | 995 | 621 | 2,038 | 342 | 681 | 44,707 | 10,992 | 198 | 291 | 11,300 | 630 | 501 | 192 | 23,459 | 0 | 1,208 | 98,155 |
| NJ | 6,709 | 2,825 | 61,290 | 1,817 | 459 | 193,882 | 72,809 | 2,569 | 8,143 | 29,554 | 3,276 | 2,846 | 8 | 87,811 | 0 | 6,750 | 480,748 |
| NM | 790 | 627 | 1,472 | 219 | 80 | 40,696 | 12,635 | 51 | 642 | 3,077 | 468 | 258 | 5 | 6,061 | 0 | 366 | 67,447 |
| NV | 738 | 418 | 1,321 | 243 | 113 | 54,742 | 21,243 | 237 | 425 | 3,262 | 744 | 464 | 1 | 11,550 | 0 | 294 | 95,795 |
| NY | 13,019 | 19,353 | 23,550 | 1,236 | 4,341 | 270,533 | 11,213 | 2,558 | 6,731 | 6,549 | 8,534 | 3,217 | 7 | 106,874 | 1 | 3,462 | 481,178 |
| ОН | 3,151 | 3,717 | 45,722 | 6,581 | 1,740 | 281,215 | 110,710 | 628 | 2,762 | 11,658 | 2,883 | 6,310 | 25 | 107,163 | 0 | 3,688 | 587,953 |
| ОК | 3,353 | 885 | 2,742 | 1,827 | 321 | 127,427 | 46,041 | 69 | 434 | 3,438 | 1,410 | 1,544 | 6 | 13,134 | 0 | 1,313 | 203,944 |
| OR | 1,067 | 342 | 2,801 | 425 | 202 | 100,011 | 32,939 | 46 | 544 | 2,534 | 1,104 | 466 | 3 | 14,589 | 0 | 1,115 | 158,188 |
| PA | 5,263 | 20,890 | 136,790 | 8,150 | 11,371 | 268,334 | 111,214 | 8,926 | 10,121 | 13,534 | 2,742 | 1,698 | 15 | 98,734 | 0 | 2,373 | 700,155 |
| PR | 50 | 51 | 6,591 | 10 | 10 | 4,318 | 31 | 21 | 38 | 958 | 22 | 9 | 0 | 219 | 0 | 45 | 12,373 |
| RI | 810 | 162 | 20,909 | 55 | 42 | 19,883 | 1,812 | 9 | 103 | 830 | 145 | 167 | 2 | 5,692 | 0 | 92 | 50,713 |
| SC | 1,577 | 2,244 | 6,420 | 12,898 | 299 | 156,466 | 62,199 | 126 | 751 | 5,529 | 1,192 | 854 | 4 | 24,307 | 0 | 1,201 | 276,067 |
| SD | 309 | 91 | 406 | 40 | 96 | 50,506 | 17,348 | 8 | 53 | 527 | 101 | 84 | 2 | 1,983 | 0 | 752 | 72,306 |
| TN | 2,475 | 1,986 | 13,664 | 5,390 | 2,380 | 175,561 | 70,799 | 227 | 1,111 | 9,904 | 1,106 | 487 | 55 | 21,002 | 0 | 1,920 | 308,067 |
| TX | 9,925 | 3,712 | 15,066 | 7,126 | 1,003 | 478,558 | 254,314 | 1,598 | 3,848 | 23,956 | 5,748 | 3,472 | 33 | 61,163 | 0 | 3,992 | 873,514 |
| UT | 640 | 307 | 2,096 | 731 | 230 | 49,230 | 16,579 | 325 | 266 | 2,018 | 632 | 308 | 1 | 8,726 | 0 | 416 | 82,505 |
| VA | 2,522 | 2,788 | 7,448 | 1,086 | 1,240 | 259,379 | 90,245 | 647 | 4,660 | 20,504 | 1,877 | 807 | 13 | 32,083 | 0 | 4,552 | 429,851 |
| VI | 80 | 59 | 448 | 24 | 5 | 6,412 | 47 | 7 | 26 | 342 | 46 | 19 | 0 | 1,620 | 0 | 6 | 9,141 |
| VT | 1,092 | 678 | 13,037 | 9,309 | 1,648 | 9,991 | 815 | 164 | 36 | 3,875 | 310 | 113 | 0 | 10,501 | 0 | 562 | 52,131 |
| WA | 2,606 | 854 | 7,403 | 406 | 423 | 179,803 | 44,979 | 76 | 2,435 | 6,287 | 6,130 | 927 | 2 | 39,939 | 12 | 9,067 | 301,349 |
| WI | 4,432 | 6,459 | 525 | 138 | 23 | 1,636 | 122 | 6 | 51 | 374 | 22 | 31 | 0 | 316 | 279,328 | 6,525 | 299,988 |
| WV | 806 | 853 | 3,752 | 265 | 168 | 51,607 | 19,617 | 79 | 746 | 2,781 | 446 | 293 | 0 | 9,235 | 0 | 800 | 91,448 |
| WY | 438 | 208 | 1,297 | 166 | 59 | 31,332 | 11,485 | 24 | 168 | 1,506 | 349 | 204 | 0 | 3,747 | 0 | 298 | 51,281 |

Figure 4: Number of Medigap Enrollees by State and U.S. Territory, December 2018

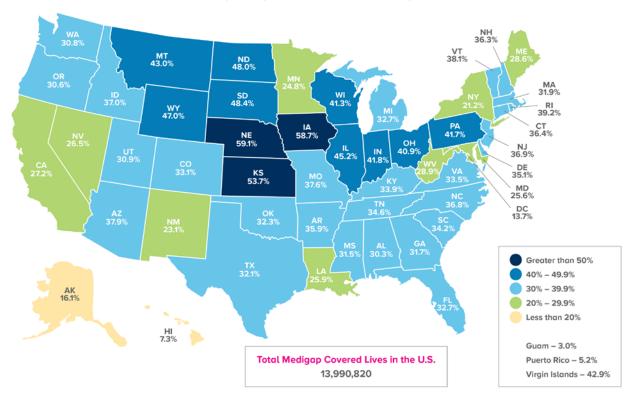


Source: National Association of Insurance Commisioners (2018), California's Department of Managed Health Care (2018).

Notes: The enrollment data for this Figure include Medigap enrollment numbers reported by insurers in 2018 to the California DMH (444,391 covered lives

Total Medigap Covered Lives in the United States: 13,990,820

Figure 5: Percent of FFS Enrollees with Medigap, by State and U.S. Territory, December 2018



Source: National Association of Insurance Commisioners (2018), California's Department of Managed Health Care (2018). **Notes:** The enrollment data for this Figure include Medigap enrollment numbers reported by insurers in 2018 to the California DMH (444,391 covered lives).

Methodology

For this report we analyzed 2018 Medicare Supplement data from the National Association of Insurance Commissioners (NAIC). Health insurance providers submit their annual statement data directly to the NAIC using an electronic filing portal. Each state sets its own requirements for filing.

Data from four health insurance providers are not included in the 2018 NAIC data; they are required to report their data to the California's Department of Managed Health Care (DMHC), which does not report Medigap enrollment data to the NAIC. Since, as in previous years, the DMHC does not provide the breakdown of the Medigap enrollment by plan type or market size, the data from the four Medigap insurance providers reporting to DMHC were included only in the tables and graphs presenting national and state Medigap enrollment and penetration, while all of the tables further subdividing Medigap enrollment by market size, Medicare Select policies and Medigap plan type have been calculated using exclusively the data from the NAIC.

We derived the total Medigap enrollment during 2018 by adding two variables together: 1) the number of policies issued before 2011, and 2) the total number of policies issued in 2011-2018. The NAIC requires Medigap companies to report these data separately. Only one person is covered per Medigap policy.

All analyses in the report contain data from the 50 states, District of Columbia, and the U.S. territories. The territories are Guam, Northern Mariana Islands, Puerto Rico, and Virgin Islands.

The NAIC data set is structured so that reported enrollment is a point-in-time measure for December 31, 2018. Other data set measures, such as those for premiums and claims, are for the full year. Therefore, it is possible that a company may submit information on a plan type even though at the end of the year enrollment was zero. To show the number of companies with policies in force as of December 31, 2018, we selected records where the number of people covered was greater than zero.

We calculated the percent of FFS enrollees with Medigap plans for 2015 to 2018 by dividing the number of Medigap enrollees by the number of Medicare FFS enrollees for each year. For the numerator we obtained the number of Medigap enrollees from the current and previous AHIP reports on Medigap trends. The denominator was the number of Medicare FFS enrollees from the Centers for Medicare and Medicaid Services (CMS) data for December of each year. The CMS data set provided the number of enrollees eligible for Medicare and the number of enrollees enrolled in Medicare Advantage. We subtracted the number of enrollees with Medicare Advantage from the number of eligible Medicare enrollees to get the number of Medicare enrollees with FFS. Figures 4 and 5 show these data by state and territory.

Data describing the demographic makeup of Medigap enrollees came from the 2017 Medicare Current Beneficiary Survey (MCBS) Public Use Files (PUF), maintained by CMS. Likewise, we used SAS Enterprise Guide® 6.1⁷ software to analyze the data.

Our analysis includes data on non-institutionalized enrollees in the 50 states, the District of Columbia, and Puerto Rico eligible for Medicare as of January 1, 2017. June 2017 was the point in time for which enrollees records were selected for inclusion.

In the previous reports, the source of the demographic data was the MCBS Access to Care files. Over the years, CMS substantially increased the number of variables included in the publicly available MCBS PUF files, which made possible using these files for the description of the demographic composition of Medicare enrollees with Medigap insurance starting with the 2017 MCBS data.

It is worth noting that the MCBS survey field procedures, questionnaire structure and data categorization in 2015 underwent significant changes compared to the MCBS surveys conducted in 2013 and prior. For example, the Income And Assets questionnaire section underwent a major redesign to improve the accuracy and level of detail of Medicare enrollees' reported income and assets. As a result, the income variable used in this report reflects the combined income of a Medicare enrollee and a spouse as opposed to the individual income of a Medicare enrollee used in our previous reports. For more details on changes in the MCBS methodology, please see MCBS 2015 Methodology Report.⁸ Additionally, the changes in the MCBS data collection and categorization enabled the production of more precise point-in-time (as of June 2015) statistics, which was achieved by using the "ever enrolled" EEYRSWGT weights unlike the "continuously enrolled" CS1YRWGT weights

used in the previous year's reports. As a result, comparisons of the data from this report with the data from our previous reports may not be meaningful.

Medicare enrollees were identified as Medigap policyholders based on survey responses indicating the June 2016 coverage via a self-purchased non-specialty private insurance. Additionally, in case of multiple insurance coverage, those enrolled in Medicare Advantage plans according to CMS administrative data, were excluded from the Medigap-covered category.

The current MCBS data format does not allow for the separation of enrollees enrolled in Medicare Advantage plans from enrollees enrolled in non-Medicare Advantage capitated plans. As a result, all of the statistics in this report presented as Medicare Advantage may include some enrollees in non-Medicare Advantage capitated plans.

In the MCBS dataset, Medicare enrollees were classified as residing in either metropolitan, micropolitan or rural areas in 2017 based on CMS administrative data. CMS used information from the Office of Management and Budget to define a metropolitan statistical area, which is used to define the "urban" category in this report. The "Urban" category in our report includes individuals living in Metropolitan Statistical Areas (MSA), which are defined by the Office of Management and Budget as urban clusters with the population of 10,000 or more, while the "rural" category area all of the enrollees living outside of the MSAs.

As a general rule, all records in the MCBS dataset containing data values such as "unknown" or "refused" were dropped from the analyses.

Data Limitations

As noted, the total number of enrollees with Medigap is slightly understated because California does not require all insurance companies to report their data to the NAIC; four companies in California are required to report their data to California's Department of Managed Health Care. Data from these companies represent 444,391 Medigap enrollees⁹, about 3% of all Medigap enrollment in the United States and are not included in the subset of analyses describing Medigap insurers by market size, Medicare Select policies and Medigap plan type.

Enrollees have an option to purchase Plan F as a high-deductible plan. However, due to the way data are reported to the NAIC we are unable to determine what percent of enrollees in Plan F have a high-deductible policy or what percent of companies offer high-deductible Plan F. Therefore, data in this report representing Plan F may also include the high-deductible version.

Medigap plans are guaranteed renewable, therefore policyholders may keep their plans even though the plan may have been discontinued or the standard benefit design changed. This report does not make a distinction among standardized Medigap policies in force in December 2018 with respect to whether their benefit designs comply with requirements under OBRA 1990, MMA, or MIPPA.

Appendix A

| Medigap Benefits 2018 | Standardized Medigap Plans | | | | | | | | | | |
|--|----------------------------|-----|-----|-----|-----|-----|---------|---------|-----|--------|--|
| | Α | В | С | D | F* | G** | K | L | М | N | |
| Part A coinsurance and hospital costs up to an additional 365 days after Medicare benefits are used up | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| Part B coinsurance or copayment | Yes | Yes | Yes | Yes | Yes | Yes | 50% | 75% | Yes | Yes*** | |
| Blood (first 3 pints) | Yes | Yes | Yes | Yes | Yes | Yes | 50% | 75% | Yes | Yes | |
| Part A hospice care coinsurance or copayment | Yes | Yes | Yes | Yes | Yes | Yes | 50% | 75% | Yes | Yes | |
| Skilled nursing facility care coinsurance | No | No | Yes | Yes | Yes | Yes | 50% | 75% | Yes | Yes | |
| Part A deductible | No | Yes | Yes | Yes | Yes | Yes | 50% | 75% | 50% | Yes | |
| Part B deductible | No | No | Yes | No | Yes | No | No | No | No | No | |
| Part B excess charges | No | No | No | No | Yes | Yes | No | No | No | No | |
| Foreign travel exchange (up to plan limits) | No | No | 80% | 80% | 80% | 80% | No | No | 80% | 80% | |
| Out-of-pocket limit*** | N/A | N/A | N/A | N/A | N/A | N/A | \$5,240 | \$2,620 | N/A | N/A | |

Notes: This table reflects the benefit design for standardized Medigap plans under the 2015 Medicare Access and CHIP Reauthorization Act of 2015. **Plans C and F** (and F with a high deductible) will be available ONLY for enrollees eligible prior to January 1, 2020. Plans C and F are redesignated **Plans D and G** for enrollees newly eligible after January 1, 2020.

Acknowledgments

For further information, please contact AHIP's Center for Policy and Research at 202.778.3200, or visit our website at www.ahip.org/research.

^{*}Plan F also offers a high-deductible plan. If the enrollee chooses this option he/she must pay Medicare covered costs up to the deductible amount of \$2,240 in 2018 before the Medigap plan pays anything.

^{**}Plan G will offer a high deductible for those enrollees newly eligible after January 1, 2020.

^{***} For Plans K and L, after meeting the out-of-pocket yearly limit and the yearly Part B deductible (\$183 in 2018), the Medigap plan pays 100% of covered services for the rest of the year.

^{****} **Plan N** pays 100% of the Part B coinsurance, except for a copayment of up to \$20 for some office visits, and up to a \$50 copayment for emergency room visits that don't result in an inpatient admission.

Endnotes

¹ There is no coinsurance for inpatient hospital care for the first 60 days of hospitalization, per benefit period. Enrollees would pay \$335 in coinsurance per day per benefit period from days 61 to 90; and would pay \$670 for coinsurance per each "lifetime reserve day" per benefit period after day 90 (up to 60 days over lifetime). After that all inpatient costs are borne by the enrollee. https://www.cms.gov/newsroom/fact-sheets/2018-medicare-parts-b-premiums-and-deductibles

² Ibid.

³ Effective June 1, 2010.

⁴ https://www.cms.gov/Medicare/Health-Plans/Medigap/Downloads/CY2018-OOP-Limits-Medigap-Plans-K-L.pdf

⁵ Trends in Medigap Coverage and Enrollment (2014 through 2015), State of Medigap 2018, 2019, accessed March 31, 2020 at https://www.ahip.org/research/

⁶ CMS Medicare Advantage Penetration Reports, 2014-2017, accessed April 20, 2020 at https://www.cms.gov/Research-statistics-Data-and-Systems/Statistics-Trends-and-Reports/MCRAdvPartDEnrolData/Monthly-Enrollment-by-State

⁷ SAS and all other SAS Institute Inc. product or service names are registered trademarks or trademarks of SAS Institute Inc. in the USA and other countries. [®] indicates USA registration.

⁸ Centers for Medicare & Medicaid Services. Medicare Current Beneficiary Survey, 2015 | METHODOLOGY REPORT. Baltimore, MD: U.S. Department of Health and Human Services, 2018, accessed March 31, 2020 at https://www.cms.gov/Research-Statistics-Data-and-Systems/Research/MCBS/Downloads/MCBS2015MethodReport508.pdf

⁹ California Department of Managed Health Care, Enrollment Summary Report 2018, accessed March 31, 2020 at http://www.dmhc.ca.gov/DataResearch/FinancialSummaryData.aspx