

**FLORIDA BIRTH RELATED NEUROLOGICAL INJURY  
COMPENSATION ASSOCIATION  
REVIEW OF OUTSTANDING LOSS RESERVES  
EVALUATED AS OF MARCH 31, 2019**

**Turner Consulting, Inc.  
July, 2019**

**TURNER CONSULTING, INC.**  
**CONSULTANTS AND ACTUARIES**

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July 22, 2019

Ms. Kenney Shipley  
Executive Director  
Florida Birth Related Neurological  
Injury Compensation Association  
2360 Christopher Place, Suite 1  
Tallahassee, Florida 32308

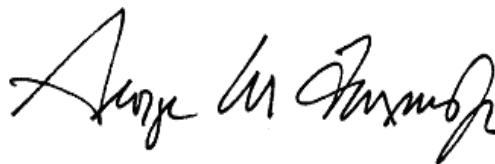
Re: NICA Outstanding Loss Reserves – Evaluated as of March 31, 2019

Dear Ms. Shipley:

Please find enclosed our report on loss and loss adjustment expense (LAE) reserves established for the Florida Birth Related Neurological Injury Association (NICA) as of March 31, 2019.

We have enjoyed working with you on this project and look forward to discussing any questions or comments you may have.

Sincerely,



George W. Turner Jr.  
Fellow of the Casualty Actuarial Society,  
Member of the American Academy of Actuaries

Cc: Tim Daughtry, Steve Lehmann

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## INTRODUCTION

### **Purpose**

Turner Consulting, Inc. (Turner Consulting) was requested by the Florida Birth Related Neurological Injury Compensation Association (NICA) to estimate the outstanding loss and loss adjustment expense (LAE) reserves related to claims incurred by NICA under the current definition of a “birth related neurological injury” (BRNI) as contained in Florida Statute 766.302. The loss and LAE reserve estimate is related to claims incurred prior to and evaluated as of March 31, 2019. The loss and LAE reserve estimates are developed on both a current (2019) cost level basis and after consideration of prospective period inflation and anticipated investment income.

### **Background**

The Florida Birth Related Neurological Injury Compensation Association (NICA) was created by Florida Statute to provide care for children beginning in 1989 that meet the birth related injury criteria as defined in Florida Statutes 766.301 to 766.316. The NICA statute replaces the traditional tort liability remedies with a no-fault type system for those children that meet the requirements as defined in the statute.

The qualifying child must be severely mentally and physically impaired. In addition, a claim must be filed within five years after birth. Prior to the 1994 birth year, a claim had to be filed within seven years of birth.

Care is to be provided for the life of the child. Funds are collected from the various medical care providers during each birth year and invested until payments are required on behalf of the qualifying claimants. There are very limited resources for collecting additional funds from the insurance industry and the Florida Office of Insurance Regulation in the event the funds collected from the medical care providers is not adequate. Due to the significant time period expected between the

time when funds are collected and actual benefits are paid, the estimated impact of inflation as well as an estimate of anticipated investment income must be considered in the establishment of overall loss and LAE reserve levels.

In reports issued prior to September 30, 2012 certain care provided by parents or guardians to claimants paid for by NICA was described as “family care”. While the estimates as developed in the prior reports as well as in the current report are based on a review of all amounts paid and case reserves established related to all care as covered under the NICA statutes, a separate estimate of the amounts related to “family care” was also shown. In the current report a separate estimate is no longer shown for the expense previously labeled as “family care” other than the segregation of amounts estimated for the retrospective portion of the class action settlement as described in the next paragraph. However, a separate estimate of the reserve amounts related to “family residential or custodial care” as defined in Florida Statute 766.302 (10) will be calculated for purposes of the threshold calculation as described in Florida Statute 766.314 (9). This statute specifically excludes benefits related to “family residential or custodial care” for purposes of the threshold calculation in the statute.

A class action settlement agreement was entered into during September 2012 which was approved pursuant to a November 26, 2012 Final Judgment and Order by the Florida Circuit Court. The settlement terms may impact benefits payable to all parents or guardians of a child born with a “birth-related neurological injury” in the State of Florida during the time period of January 1, 1989 through June 6, 2002, who obtained a final order which imposed on NICA the “continuing obligation under provisions of Section 766.31, Florida Statutes, to pay future expenses as incurred”. The estimated impact on the case reserves of this settlement agreement have been incorporated into the case reserve estimates as provided by NICA. The impact is separated into estimates related to the retrospective portion of the settlement (currently defined as prior to August 1, 2012) and the prospective portion of the settlement (currently defined as subsequent to July 31, 2012). It is

our understanding that all of the retrospective portion has been paid in full as of March 31, 2019. The retroactive portion of the settlement has been paid based on information submitted in writing to NICA by class members that either NICA agrees to pay or is ordered to pay by an administrative law judge. The reserve estimates as shown in the attached exhibits no longer include separate reserve estimate for the retrospective portion of the settlement agreement.

### **Qualifications**

I, George W. Turner Jr. am a consulting actuary for Turner Consulting, Inc. I am a Fellow of the Casualty Actuarial Society and a member of the American Academy of Actuaries and I meet the Qualification Standards of the American Academy of Actuaries to render the opinions as expressed in this report.

### **Distribution and Use**

This report is intended solely for the use of NICA and its Board of Directors and advisors. Any further use or distribution of this report is not intended or authorized without our prior written consent.

### **Conditions and Limitations**

In preparing the estimates as shown in this report we relied without audit or verification on loss, exposure and expense information provided to us by responsible employees of NICA.

The indicated ultimate loss and LAE estimates provided in this report are based on the accuracy of the loss projection methods including the estimation of claim frequency and average claim size for each birth year. In addition, the final loss and LAE reserve estimates will be affected by the prospective period inflation and investment returns realized by NICA. The combined impact of these factors results in a significant degree of uncertainty in the estimated NICA loss and LAE reserve evaluated as of March 31, 2019. This uncertainty arises from the estimation of a number of internal and external factors that have yet to occur or be reported, but

which will impact the ultimate settlement value of claims incurred prior to March 31, 2019. Due to the level of uncertainty with regard to the impact of these factors on the ultimate number and settlement value of actual losses there can be no guarantee that actual losses will not vary, perhaps significantly, from the estimates as shown in this report. However, we have employed actuarial methods and assumptions that are appropriate given the information as provided.

The loss and LAE reserve estimates as shown in this report reflect consideration of payments made on the behalf of NICA claimants by other providers, such as health insurance coverage, Medicaid, etc. Since the payments made by these other providers in many cases reduce the amounts that would otherwise be paid by NICA, any change in the portion of benefits covered by these other providers will impact the loss and LAE reserve estimates as shown in this report. To the extent any of these providers change the level of benefit payments (e.g. change from a primary provider to an excess provider) from those made previously, the reserve estimates as shown in this report will need to be adjusted.

An additional source of variation is introduced in the development of loss and LAE reserve estimates on a present value basis. This variation arises from the fact that actual loss and LAE payments may occur more rapidly or more slowly than contemplated in the assumed payment pattern. Thus, the calculated investment income would differ from the actual investment income earned in proportion to the variation in actual payments from expected payments.

The loss and LAE reserves as contained in this report include explicit consideration of estimated prospective period inflation and investment returns. Specifically, the loss reserve estimates include consideration of the anticipated investment income earned on funds collected prior to the actual payment of claims. The estimated investment income is based on the assumption that sufficient assets will be available for investment to cover the present value of the ultimate losses. To the extent sufficient funds are not available the ultimate loss reserve estimates will

need to be increased to account for the reduction in anticipated investment income.

Estimates of outstanding loss reserves as shown in the text and the accompanying exhibits (e.g. Exhibit I, Sheets 1a through 1c) are before consideration of anticipated reinsurance recoveries under specific and aggregate excess coverage purchased by NICA. An estimate of the NICA net retained loss reserve after consideration of the specific and aggregate excess coverage recoveries is shown in Exhibit I, Sheet 4a. The specific and aggregate excess coverage recoveries shown in Exhibit I, Sheets 4a and 4b include consideration of the actual commutation or negotiated amounts received to date and also amounts recoverable on July 1, 2019 as set forth in the final award made on June 28, 2019 by the arbitration panel related to the NICA / Gen Re arbitration.

The final amounts awarded on June 28, 2019 by the arbitration panel for the NICA / Gen Re arbitration to be paid on July 31, 2019 relate to specific and aggregate excess coverage provided by Gen Re on birth years 2002 and 2003 and also the buffer layer (i.e. \$ 3.0 million excess of \$ 20.0 million) aggregate excess recoveries related to birth years 1999 to 2001. The final amount awarded by the NICA / Gen Re arbitration panel on June 28, 2019 was \$15,990,545 which will be paid by Gen Re no later than July 31, 2019. This amount is shown by year and separately for the specific and aggregate excess recovery coverages in Exhibit I, Sheets 4a and 4b. The final amount awarded by the arbitration panel of \$15,990,545 represents a decrease of \$2.93 million relative to the estimated recovery of \$18.92 million as shown in our report as of December 31, 2018.

The attached exhibits summarizing the assumptions and calculations underlying the estimates as set forth in this report are to be considered an integral part of the report. Thus an accurate understanding of the conclusions as set forth in the report is conditional upon an examination of both the text and the attached exhibits. Further, any distribution of this report should be provided in its entirety and with the



understanding that we are available to answer questions with regard to the methods and assumptions underlying the conclusions herein.

### **Executive Summary**

Overall, the outstanding loss and LAE (i.e. ALAE and ULAE) reserves after inflation and discount but prior to consideration of calculated reinsurance recoveries is \$854.6 million as of March 31, 2019 (see Exhibit I, Sheet 1a, Column (7)). This decreased by \$1.89 million relative to the estimate as of December 31, 2018. The comparable estimate of outstanding loss and LAE reserves after consideration of calculated reinsurance recoveries is \$838.6 million (see Exhibit I, Sheet 4a, Column (11)). The change relative to the estimate shown in the prior report (i.e. December 31, 2018) is an increase of \$1.04 million. The comparable estimates of outstanding loss and ALAE reserves, excluding the consideration of ULAE reserves, are \$841.4 million and \$825.4 million, respectively.

Total case outstanding loss and ALAE reserves prior to adjustment for prospective inflation and discount increased by \$2.08 million during the quarter ending March 31, 2019. This includes an increase in case reserves of \$7.74 million related to new claims first reported during the quarter. Thus in the aggregate, case reserves established on claims reported prior to January 1, 2019 decreased by \$5.66 million relative to the case loss and ALAE reserves established as of December 31, 2018 (\$2.08 M minus \$7.74 M = (\$5.66 M)). The comparable estimate of case outstanding loss and ALAE reserves after inflation and discount increased by \$1.19 million during the quarter ending March 31, 2019.

The estimated ultimate loss and ALAE prior to reinsurance recoveries and after inflation and discount related to claims incurred in birth years 2018 and prior decreased by \$10.68 million relative to the estimates as set forth in the December 31, 2018 report. Due to the addition of another quarter, estimated ultimate loss and ALAE related to birth year 2019 increased by \$13.03 million. In combination, the estimated ultimate loss and ALAE increased by \$2.35 million during the quarter

(( $\$10.68$  M) plus  $\$13.03$  M =  $\$2.35$  M). Total loss and ALAE payments made during the quarter were  $\$4.26$  million. Since estimated ultimate loss and ALAE increased by  $\$2.35$  million and loss payments were  $\$4.26$  million, the total outstanding loss and ALAE (prior to reinsurance recoveries) decreased by  $\$1.91$  million relative to the estimates as set forth in the December 31, 2018 report ( $\$2.35$  M minus  $\$4.26$  M =  $(\$1.91$  M)).

As mentioned previously, the reinsurance recoveries decreased by approximately  $\$2.93$  million relative to the estimates as set forth in the December 31, 2018 report. Since the estimated ultimate loss and ALAE prior to reinsurance recoveries increased by  $\$2.35$  million and the reinsurance recoveries decreased by  $\$2.93$  million, overall estimated ultimate loss and ALAE on a net of reinsurance basis increased by  $\$5.28$  million during the quarter ( $\$2.35$  M minus  $(\$2.93$  M) =  $\$5.28$  M). Since loss and ALAE payments during the quarter were  $\$4.26$  million, the net retained outstanding loss and ALAE increased by  $\$1.02$  million relative to the estimates shown in the December 31, 2018 report ( $\$5.28$  M minus  $\$4.26$  M =  $\$1.02$  M). The overall change in estimates of ultimate loss and ALAE after inflation and discount during the quarter ending March 31, 2019, before and after consideration of reinsurance recoveries, are shown in the following table.

Ultimate Loss & ALAE  
After Inflation & Discount  
Prior to Reinsurance Recoveries

Ultimate Loss & ALAE  
After Inflation & Discount  
After Reinsurance Recoveries

Birth Year	Ultimate Loss & ALAE After Inflation & Discount Prior to Reinsurance Recoveries			Ultimate Loss & ALAE After Inflation & Discount After Reinsurance Recoveries		
	@ 3/31/19	@ 12/31/18	Change (2) - (3)	@ 3/31/19	@ 12/31/18	Change (5) - (6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1989	26,787,495	26,130,433	657,061	26,787,495	26,130,433	657,061
1990	12,800,583	12,789,755	10,828	12,800,583	12,789,755	10,828
1991	25,392,107	25,355,757	36,350	25,392,107	25,355,757	36,350
1992	47,624,160	48,471,434	(847,274)	47,146,785	47,994,059	(847,274)
1993	45,050,520	43,548,946	1,501,574	23,642,455	22,140,881	1,501,574
1994	19,095,531	19,270,039	(174,508)	16,945,323	17,119,831	(174,508)
1995	30,487,926	30,676,297	(188,371)	27,615,349	27,803,720	(188,371)
1996	28,164,285	27,994,856	169,429	26,795,812	26,626,383	169,429
1997	37,108,028	37,068,365	39,663	34,551,549	34,511,886	39,663
1998	63,641,229	63,895,585	(254,357)	60,958,090	61,212,447	(254,357)
1999	27,098,985	27,176,655	(77,669)	21,099,196	21,129,456	(30,261)
2000	19,694,454	20,137,823	(443,369)	17,284,559	17,680,520	(395,960)
2001	26,542,528	26,591,498	(48,970)	23,575,072	23,576,633	(1,561)
2002	62,047,697	63,958,182	(1,910,486)	49,092,157	48,628,409	463,748
2003	15,666,794	17,290,259	(1,623,466)	13,408,929	14,618,210	(1,209,281)
2004	25,330,155	25,364,821	(34,667)	25,330,155	25,364,821	(34,667)
2005	30,396,651	30,343,034	53,617	30,396,651	30,343,034	53,617
2006	45,888,549	47,019,519	(1,130,969)	45,888,549	47,019,519	(1,130,969)
2007	38,210,068	38,309,381	(99,313)	38,210,068	38,309,381	(99,313)
2008	45,035,143	45,133,053	(97,911)	45,035,143	45,133,053	(97,911)
2009	54,384,648	54,524,864	(140,216)	54,384,648	54,524,864	(140,216)
2010	25,150,805	25,270,979	(120,174)	25,150,805	25,270,979	(120,174)
2011	44,465,511	44,915,237	(449,726)	44,465,511	44,915,237	(449,726)
2012	31,583,612	30,887,223	696,389	31,583,612	30,887,223	696,389
2013	29,697,250	30,212,648	(515,398)	29,697,250	30,212,648	(515,398)
2014	42,766,421	45,234,556	(2,468,135)	42,766,421	45,234,556	(2,468,135)
2015	47,275,723	46,009,484	1,266,239	47,275,723	46,009,484	1,266,239
2016	25,089,463	27,158,139	(2,068,676)	25,089,463	27,158,139	(2,068,676)
2017	48,658,911	47,971,650	687,261	48,658,911	47,971,650	687,261
2018	51,845,519	54,950,285	(3,104,766)	51,845,519	54,950,285	(3,104,766)
2019	13,030,783		13,030,783	13,030,783		13,030,783
Totals All	1,086,011,531	1,083,660,757	2,350,774	1,025,904,671	1,020,623,253	5,281,418
1989 - 2018	1,072,980,748	1,083,660,757	(10,680,009)	1,012,873,888	1,020,623,253	(7,749,365)

Loss and LAE reserve estimates referenced above include the separate estimation of loss and ALAE and ULAE reserves. The ULAE reserve as of March 31, 2019 is developed on Exhibit I, Sheets 5a and 5b. The present value of the ULAE reserve estimate as of March 31, 2019 is \$13.24 million. The ULAE reserve estimate is comprised of two elements. The first (\$12.29 million) relates to the loss adjustment expense not allocated to a specific claim file that is associated with actual settlement of claims incurred prior to March 31, 2019. The second component (\$0.95 million) is related to anticipated expenses associated with the collection of reinsurance recoveries.

The loss and LAE reserves are shown in the attached Exhibit I, Sheet 1a are stated on a present value basis. Since current case reserves established by NICA in the case reserve worksheets are recorded on a current (2019) cost level basis, both case reserves and the bulk / incurred but not reported (IBNR) reserves as shown in Exhibit I, Sheets 1a and 1c (excluding the retrospective portion of the class action settlement) have been adjusted to include the estimated impact of inflation between the current (2019) evaluation date and the time at which actual payments are expected to be made by NICA. In addition, the payment stream after adjustment for inflation has been discounted to reflect an estimate of the investment income expected to be earned by NICA on assets representing the reserve funds, between the evaluation date of this report and the time period payments are expected to be made.

The final present value loss and LAE reserve estimates related to all expected NICA benefits prior to consideration of anticipated specific and aggregate excess reinsurance recoveries are shown in Exhibit I, Sheet 1a. These estimates are based on our selected estimates with regard to the prospective period inflation rates, investment income, the tail factor applicable to incurred loss development subsequent to 363 months and the payment pattern related to outstanding loss and LAE reserves for each birth year. The present value loss and LAE reserve estimate of \$854.6 million is shown in Column (7) of Exhibit I, Sheet 1a. The

reserve estimates as shown in Exhibit I, Sheet 1a include consideration of expected payments related to all NICA benefits. The estimated loss and LAE reserve estimates prior to consideration of the retrospective portion of the class action settlement agreement as described previously are shown in Column (7) of Exhibit I, Sheet 1c. The estimated amounts expected to be paid related to the retrospective portion of the class action settlement are shown in Exhibit I, Sheet 1b.

Alternative estimates of the direct (before reinsurance recoveries) basis loss and ALAE reserve based on variation in the inflation, interest rate and tail factor are shown in Exhibit I, Sheets 2b to 2f in order to illustrate the impact on the loss and ALAE reserve of changes in some of the underlying key assumptions. Exhibit I, Sheet 3 illustrates the estimated cash flow by year related to the estimated outstanding loss and ALAE reserve established as of March 31, 2019.

Actuarial Standards of Practice provide that a risk margin may be included in an unpaid claim estimate, and if it is, the risk margin and the basis for calculating it should be disclosed. As part of our determination of actuarially sound and appropriate reserve levels for NICA, we have determined an appropriate risk margin as described later in this report.

We recommend that NICA set the risk margin at a level no lower than \$75.5 million. This produces a confidence level of approximately 80% that the reserves held by NICA as of December 31, 2018 will equal reserve levels required at that date based on actual incurred losses emerging over the life of these claims. The risk margin indication is provided on an annual basis and is not updated quarterly.

## **Methodology**

A change in procedure was included in our reports beginning with the September 2012 report. The change resulted in a segregation of the retrospective portion of the September 2012 class action paid and incurred amounts from other paid and incurred amounts. The retrospective portion of the class action is shown separately (Exhibit I, Sheet 1b) due to the short-term nature of these payments. As shown on Exhibit I, Sheet 1b, the majority of the payments related to retrospective portion of the class action have been made as of March 31, 2019.

The loss and LAE reserve amounts related to other than the retrospective portion of the class action are shown on Exhibit I, Sheet 1c. Specifically, the loss and LAE reserve amounts as set forth in Exhibit I, Sheet 1c and all following exhibits also described in the following text are based on information that excludes the retrospective portion of the class action settlement agreement shown in Exhibit I, Sheet 1b. The final reserve amounts shown in Exhibit I, Sheet 1a include both the retrospective portion shown in Exhibit I, Sheet 1b and the prospective portion of expenses that are included in the estimates shown in Exhibit I, Sheet 1c and the following exhibits.

As mentioned previously, the loss and LAE reserve estimates as shown in this report are adjusted to include the impact of prospective period inflation and anticipated investment income. The procedure used to estimate the loss and LAE reserves for all estimated NICA benefits, with the exception of those related to the retrospective portion of the class action settlement agreement, includes a three step process. This three step process is intended to explicitly recognize the impact of inflation and anticipated investment income. The first step is to adjust actual NICA historical paid and incurred loss development information to eliminate the historical impact of inflation on the paid and incurred loss development information. The actual historical incremental loss payments and case outstanding loss reserves are shown in Exhibit IX, Sheets 3a, 3b, and 3c, and Sheets 4a, 4b, and 4c, respectively. The historical loss payments and case reserve amounts are

adjusted to eliminate the estimated impact of inflation. The incremental loss payments and case outstanding loss reserves after adjustment to eliminate the impact of inflation are shown in Exhibit IX, Sheets 1a, 1b, and 1c, and Sheets 2a, 2b, and 2c, respectively. The paid and case reserve amounts shown on Exhibit IX, Sheets 1a, 1b, and 1c, and Sheets 2a, 2b, and 2c are adjusted to birth year cost levels. The birth year level paid and case outstanding amounts are used to develop the adjusted paid and incurred loss development triangles as shown in Exhibit VIII, Sheets 2a and 2b, and Exhibit VII, Sheets 2a and 2b, respectively.

The “second step” in the three step process is to adjust the birth year cost level estimates of outstanding loss and ALAE (see Exhibit IV, Sheet 1, Column (7)) to current (2019) cost levels. The adjustment of birth year level estimates of outstanding loss and ALAE related to all NICA benefits (except for the estimated retrospective portion of the September 2012 class action settlement) to 2019 cost level is shown in Exhibit III.

The final or “third” step in the three step loss reserve estimation process is to adjust the 2019 cost level loss reserve estimates referenced above to include the estimated impact of prospective inflation (2019 and subsequent) and anticipated investment income (discount). The prospective period inflation rate is based on a review of historical and recent inflation rates as measured by the Consumer Price Index (both the all items and medical services indices) over the time period from 1960 to 2018. The prospective period investment returns are selected based on the review of geometric averages for investment returns for a model portfolio invested per NICA’s current investment policy and for a conservative model portfolio over the period from 1926 to present as well as actual NICA investment returns over the period from 1991 to present. While the actual prospective period inflation rates and investment returns are subject to a significant degree of uncertainty the difference or increment between inflation and investment returns is of primary importance.

Based on a review of actual inflation and investment returns we selected an increment of one and one – half percent (1.50 %) and a prospective period inflation (combination of all items and medical services) rate of three and one-half (3.50%) percent. The indicated investment return percentage is then calculated to be five percent. In order to illustrate the impact on the loss reserve estimates of changes in the overall inflation and investment returns we also have included a range of estimates based on increments (average investment return minus average inflation rate) of one and two percent in addition to our selected estimate of one and one – half (1.50%) percent.

The loss and ALAE reserve estimates are developed based on the selected prospective period inflation rate, investment return and the assumed loss payment pattern for each birth year. The loss and ALAE payment patterns are developed separately for each birth year and are based on the estimated payments as shown in the NICA case reserve worksheets for the current open accepted claims. Due to the small number of open claims and the variability in the life expectancy for each claimant the payment patterns can vary by birth year. The estimated future period claim payments as shown in the NICA case reserve worksheets are all expressed at current (2019) cost levels. These prospective period claim payments are adjusted to include consideration of mortality on the prospective period loss and ALAE payment pattern. A summary of the estimated 2019 cost level payment patterns for each birth year are shown in Appendix A, Exhibit I, Sheets 1a, 1b, 2a, 2b, 3a, 3b, 4a, and 4b. An example of the calculation of the 2019 cost level payment pattern for the 1996 birth year is shown in Appendix A, Exhibit II, Sheets 1a, 1b, 2a, 2b, 3a, and 3b.

The loss reserves are developed based on a combination of the inflation rate, investment returns, estimated 2019 level loss and ALAE reserves by birth year and the assumed 2019 level payment pattern applicable to each birth year. The loss and ALAE reserves on a 2019 cost level basis, after prospective period inflation but before anticipated investment income and after prospective period inflation and



anticipated investment income are shown in columns (6), (7) and (8) of Exhibit I, Sheet 3, respectively.

### **Description of Loss Estimation Methods**

The birth year level paid and incurred loss development triangles (i.e. after adjustment to eliminate the impact of inflation) are used to develop estimates of ultimate losses for each birth year. The historical NICA inflation rates used to restate actual NICA loss and ALAE payments and case outstanding amounts are estimated separately for loss and ALAE payments and case outstanding amounts. The estimated NICA inflation rates are shown in Exhibit IX, Sheets 8a, 8b and 8c on both a paid and case outstanding basis. Additional information related to the calculation of the historical NICA inflation rates is shown in Appendix B.

The estimated ultimate loss and ALAE by birth year related to all NICA benefits except for the retrospective portion of the class action settlement are selected based on the review of six loss estimation methods. The six methods used in the development of estimated birth year level ultimate loss and ALAE include two traditional loss development methods (i.e. paid and incurred loss projections), a frequency / severity method, the Bornhuetter – Ferguson (BF) method, a Cape Cod method, and an incremental payment method. The final indicated ultimate loss and ALAE based on each method in addition to the final selected birth year level estimates are shown in Exhibit IV, Sheet 2.

The projection methods (shown in Sheet 1 of Exhibits VII and VIII) are based on the review of historical NICA paid and incurred loss development (after elimination of the impact of inflation) for a given birth year. The loss and ALAE payment and reporting patterns experienced for the more mature birth years are used in order to estimate expected future development applicable to the more immature birth years.

The frequency / severity method shown in Exhibit VI, Sheet 1 is based on the estimation of the average claim size and the estimated ultimate number of

accepted claims excluding the deceased claims when reported to NICA for each birth year. Specifically, the average claim size for each birth year is calculated as a weighted average of the average claim size shown for each individual birth year and the average claim size developed based on all birth years combined. In the more recent birth years, relatively greater weight is provided to the average claim size developed for all years combined.

The Bornhuetter – Ferguson method summarized in Exhibit V is a combination of the actual birth year level incurred loss and ALAE as of March 31, 2019 (shown in column (5)) and estimated unreported loss and ALAE (shown in column (4)). The unreported loss and ALAE is developed using the loss reporting pattern developed based on the NICA incurred loss and ALAE development triangle shown in Exhibit VII, Sheets 2a and 2b and the estimated initial expected loss and ALAE by birth year based on the results of the frequency / severity method shown in Exhibit VI, Sheet 1, column (14).

The Cape Cod method shown in Exhibit VI, Sheet 2 is based on the estimated NICA exposure levels (i.e. insured physicians) by birth year, the estimated NICA loss reporting pattern and the actual NICA birth year level incurred loss and ALAE. An estimate of the 2019 level NICA pure premium is calculated by dividing the 2019 level incurred loss and ALAE for all birth years combined by the reported NICA exposures (i.e. insured physicians multiplied by estimated percent reported). The 2019 level NICA pure premium is adjusted to the historical birth year level cost basis and then used to estimate the unreported loss and ALAE for each birth year (column (10)). The indicated birth year level ultimate loss and ALAE is based on a combination of the unreported loss and ALAE shown in column (10) and the actual reported loss and ALAE shown in column (3).

The final method included is described as an incremental payment method. The estimated birth year level ultimate loss and ALAE developed using this method is shown in Appendix E. The birth year level estimates of ultimate loss and ALAE as

shown in columns (6), (7) and (8) of Appendix E, Exhibit I, Sheet 1 are based on alternative technology (utilization) increases of 1.00%, 2.00% and 3.00%, respectively. The estimated birth year level ultimate loss and ALAE is a combination of actual loss and ALAE payments as of March 31, 2019 adjusted to each birth year cost level and an estimate of the remaining birth year level loss and ALAE payments (i.e. outstanding loss and ALAE as of March 31, 2019). The estimated remaining birth year level payments are developed based on a combination of the remaining open accepted claimants by birth year and the estimated average incremental loss and ALAE payment per claimant.

The estimated incremental loss and ALAE payment per claimant is based on a review of the average NICA incremental loss and ALAE payments by development period. The actual incremental loss and ALAE payments are adjusted to 2019 level and used to estimate the average incremental payment per open accepted claim by development period (See Appendix E, Exhibit IV, Sheets 3a and 3b). The selected 2019 level average incremental loss and ALAE payments for development periods 363 months and subsequent are based on the actual averages for development periods prior to 363 months adjusted to include consideration of estimated changes in utilization (alternatives of 1.00%, 2.00% and 3.00%). The final 2019 level average incremental loss and ALAE payment per open claim is shown in Appendix E, Exhibit II, Sheet 1 (or Appendix E, Exhibit IV, Sheets 1a and 1b).

The selected 2019 level incremental loss and ALAE payment per claimant for each development interval is adjusted to the appropriate birth year level (as shown in Appendix E, Exhibit II, Sheet 3, Column (5)) and also to include differences in the average claimant severity by birth year (as shown in Appendix E, Exhibit II, Sheet 2, Column (5)). The estimated remaining open accepted claims by birth year and development period are based on a combination of the ultimate open accepted claimants by birth year as of March 31, 2019 (see Appendix E, Exhibit II, Sheet 3, Column (8)), reporting pattern (as shown in Exhibit X, Sheet 1c, Column (11)), and

assumed mortality rates (see Appendix E, Exhibit V, Sheets 1a, 1b, 2a, and 2b) developed using the average remaining life expectancy per open accepted claim (see Appendix E, Exhibit VII, Column (9)) for each birth year.

The estimated average remaining life expectancy per birth year is shown in Appendix E, Exhibit VII, Column (9). The remaining open accepted claimants by birth year and development period are shown in Appendix E, Exhibit III, Sheets 3a through 3g. The remaining birth year level incremental loss and ALAE payments are developed as a product of the average 2019 level incremental payments per claimant adjusted to each birth year cost / severity level and the remaining open accepted claims. The resulting estimated remaining birth year level incremental loss and ALAE payments are shown in Appendix E, Exhibit III, Sheets 1a through 1g. A summary of the combination of the actual birth year level payments as of March 31, 2019 and the estimated remaining payments is shown in Appendix E, Exhibit I, Sheet 1.

The four assumptions that most significantly impact the overall loss and LAE reserve estimate are as follows:

1. Incurred Loss Development Factor – 363 months to Ultimate
2. Prospective Period Average Inflation Rate
3. Prospective Period Average Investment Return
4. Loss and Loss Adjustment Expense Payment Pattern

The loss and LAE (ALAE and ULAE) reserve estimates based on our selected estimate for each of the first three assumptions are shown in Exhibit I, Sheet 1a. In order to illustrate the impact of changes in these assumptions on the NICA loss reserve estimate we have provided a summary of alternative loss reserve estimates based on changes to each of these three assumptions. As mentioned previously the actual inflation rates and investment returns are not as critical as the difference in these two rates. A summary of the overall loss and ALAE (excluding

ULAE) reserve estimates based on several alternative assumption sets is shown below. Our actuarial central estimate is shown in Exhibit I, Sheet 2a and also shown in the first line of the following table.

<b>Inflation Rate</b>	<b>Investment Return</b>	<b>Tail Factor 363:Ult.</b>	<b>Present Value Outstanding Loss and ALAE Reserve in Million (\$)</b>
-----	-----	-----	-----
3.50%	5.00%	1.099	\$841.394
3.00%	5.00%	1.099	\$760.720
4.00%	5.00%	1.099	\$935.927
7.50%	9.00%	1.099	\$851.073
3.50%	5.00%	1.199	\$935.915
3.50%	5.00%	1.000	\$748.154

As mentioned previously and illustrated above the final present value loss and ALAE reserve estimated for the period ending March 31, 2019 is sensitive to each of the four assumptions described previously. The most significant factors are the relationship between the anticipated inflation and investment income rates, the magnitude of the incurred loss development tail factor and the payment pattern applicable to each birth year. Due to the prospective nature of each of these assumptions any estimate is subject to uncertainty. In addition the lack of comparable insurance industry data for use as a benchmark in the selection of the loss development factor and payment pattern coupled with the long term over which payments are expected to be made creates levels of potential variation in excess of that normally experienced for usual long tailed lines of business. The

remainder of this report summarizes the approach we have used in an effort to develop an estimate for each of these key assumptions.

The loss and allocated loss adjustment expense (ALAE) reserve estimates as developed in Exhibit II, Sheet 1 and subsequent do not include a provision for unallocated loss adjustment expense (ULAE) reserves. ULAE reserves are intended to cover anticipated loss adjustment expenses not covered in the loss and ALAE reserve estimates.

A summary of the procedure used in the estimation of the ULAE reserve is shown in Sheets 5a and 5b of Exhibit I. The total ULAE reserve as shown in item III of Exhibit I, Sheet 5a is made up of two components. The calculation of the ULAE reserve related to specific claims administration and settlement expenses for claims incurred prior to March 31, 2019 is shown in Exhibit I, Sheet 5b. This procedure is similar to that utilized in the calculation of NICA loss and ALAE reserves in that current expense levels are projected forward to estimated prospective period cost levels and then adjusted to a present value basis. The present value calculation includes consideration of both anticipated investment income and expected mortality over the time period. The second component of the overall ULAE reserve is related to anticipated expenses related to the collection of recoveries under reinsurance treaties covering birth years 1999 through 2003. The current estimate of these expenses is based on a current estimated average annual expense of \$950,000 and an estimated duration for the recovery process of one year (Exhibit I, Sheet 5a, Item II). The total ULAE reserve as shown in Item III of Exhibit I, Sheet 5a of \$13.24 million is the combination of the portion related to claim settlement (\$12.29 million) and portion related to the collection of outstanding reinsurance recoveries on claims incurred during birth years 1999 through 2003 (\$0.95 million).

The prospective period inflation rate of three (3%) percent is selected to project anticipated ULAE expense payment as opposed to the three and one-half (3.5%)

percent inflation rate selected to inflate loss and ALAE reserve. The somewhat lower inflation rate is based on the greater concentration of general and administrative expense expected for prospective period ULAE payments.

The mortality adjustment is developed based on current estimates of remaining life expectancy as included in the current NICA reserve worksheets. The final mortality adjustment is a blended average of average mortality assumptions for each birth year.

### **Historical NICA Inflation**

In order to measure NICA's historical inflationary increases in claims costs, we began by segregating NICA's claim costs into major claim cost groups. The following expense groups were identified:

- Family Residential or Custodial Care
- Nursing Care by Others
- Legal Costs
- Parental Awards
- Medical Expenses
- Other

Each of these major expense groups were then examined separately for inflationary impacts. For example, relative to nursing care, we tracked the hourly cost of nursing care as paid by NICA since the program began in 1989.

An increase in the hourly rate for most parents providing care occurred in June 2008. The increase in the hourly rate for most parents effective in June, 2008 (from \$9.70 per hour to \$15.00 per hour) resulted in cost under the expense category Nursing Care By Parents as shown on Appendix B, Exhibit I, Sheets 1, 2, and 3. Some of the major expense groups' inflation rates were estimated using CPI indices.

In addition, the daily rates used to estimate the future cost of custodial residential care were revised in December 2004, 2006, and 2012. The reserves for custodial residential care apply in the later years when the parents of NICA claimant have reached an age where they are no longer able to provide the level of care required. This change in the daily rate effectively results in the recognition of inflation that has taken place over a number of years related to the cost of custodial residential care. Since currently there are only two claims with current custodial residential care payments, this increase primarily affects case reserves. The estimated increase in the cost of custodial care recorded in 2004, 2006 and 2012 is 40%, 40%, and 95%, respectively.

We tabulated the total payments and case outstanding reserves by fiscal year for each of the major expense group. By far the largest expense category is nursing care with approximately forty-five percent of the total payments and eighty percent of the outstanding case reserves based on information provided for the period ending March 31, 2019. The historical inflation rate for each birth year is estimated by weighting the historical inflation rates by expense groups with that expense group's percentage of total payments (or case reserves) by year. Overall, the historical "true" inflation rate for NICA has been minimal. On a paid basis inflation has averaged approximately one percent over the time period from inception (1989) to current (2019) with the only major increase occurring during 2008 and 2009. This inflation rate does not include increases related to increased utilization of certain types of nursing and custodial care or increases in longevity relative to the initial estimates. These increases are reflected in the loss development triangles and are assumed to continue although at a decreasing rate as indicated by the declining loss development factors in the later development periods.

### **Prospective NICA Inflation**

Future inflation is estimated as a differential to various consumer price indices depending on the type of expense. The largest category, nursing expense is assumed to increase at approximately one to two percent above the CPI – all



indices annual increase. The overall average annual NICA inflation rate is estimated to be 1.00 to 2.00 percent above the CPI – All items index. We are assuming a 2.00 % increase in CPI – All items currently which gives a current estimate of inflation of 3.50 %.

### **Discount Rate**

Because of the long term nature of the liabilities of NICA it is reasonable to base discount rates to be used in the determination of NICA's reserve liabilities on a conservative estimate of investment returns likely to be realized on NICA's assets over a long term horizon. In determining assumptions for inflation and discount rates, we begin with the consumer price index for all items and determine anticipated inflation and discount rates based on long term relationships to the consumer price index.

The discount rate assumption is selected based on reasonable expectations for a prudent, conservative investment strategy. Appendix B, Exhibit II, Sheets 1 and 2 show the change in the CPI all items index as compared to returns for various classes of investments from 1926-2018. Specifically, we have examined returns for both large and small company stocks, long and intermediate government bonds, and treasury bills. These indices are taken from Ibbotson's 2009 S&P 500 Classic Yearbook and updated based on recent Federal Reserve data and U.S. Bureau of Labor Reports. We then calculated estimates of the overall return based on two "model" portfolios. One model portfolio is based on an asset allocation of 44% stocks and 56% fixed income. This model portfolio is labeled Model Portfolio (as shown in Column (13) of Appendix B, Exhibit II, Sheets 1 and 2). The second model portfolio is based on an asset allocation of 35% stocks, 60% bonds and 5% short term. This model portfolio is labeled Conservative Model Portfolio (as shown in Column (14) of Appendix B, Exhibit II, Sheets 1 and 2).

We also calculated the geometric average return, the arithmetic average return, and the standard deviation for each class of investment and the model portfolios.

Returns were then calculated for the periods 1926-1929, 1930-1939, 1940-1949, 1950-1959, 1960-1969, 1970-1979, 1980-1989, 1990-1999, 2000-2009 and 2010-2018.

Overall, the results of the two model portfolios over ten year periods average from 0 % to 10 % above the CPI - All items index. Actual results for NICA were also calculated for the period 1991-2018. NICA's actual results were adversely affected by the dramatic decline in the stock market in 2008. Overall NICA's actual returns over the period from 1991 to 2018 have averaged approximately 3.3% above the CPI – All items index.

Based on this analysis, we recommend that the discount rate used in the discounting of NICA's reserve liabilities ranges from 2 % to 4 % above the CPI - All items index. In our current reserve calculations we have assumed a 3.0 % spread to the CPI - All items index. Based on a current selected CPI – All items inflation rate of two percent this produces a discount rate of 5.0 %. The 5.0 % appears to be reasonable based on NICA's actual average investment returns for the last twenty years and based on the long term average as indicated for the Conservative model portfolio.

It should be noted that in valuing NICA's reserve liabilities, the spread between inflation and interest rates is the key variable rather than the nominal values of each. Here we have assumed a 1.50 % spread between the medical inflation rate and the investment rate. So at current levels of inflation and interest, this produces an assumption of 3.50 % for inflation and 5.00 % for interest income. If it turns out to be 5.00 % inflation and 6.50 % interest income, this has a minimal impact on the overall reserve levels. It is the spread between these two key factors that is the critical variable.

## **Payment Pattern**

The selection of the appropriate payment pattern is required to adjust current (2019) level loss reserves for both the estimated impact of future inflation and the consideration of anticipated investment income. The selected payment pattern has a significant impact on the final present value loss and loss adjustment expense reserve. Due to the long term nature of the NICA liabilities changes in the estimated payment pattern will likely evolve over time as additional NICA payment experience emerges.

The current selected loss and ALAE payment pattern varies by birth year and is based on a combination of the of the actual loss and ALAE payments made to date and the estimated future loss and ALAE payments as shown in the NICA case reserve worksheets. The estimated future loss and ALAE payments shown in the NICA case reserve worksheets are stated on current (2019) loss and expense levels. The estimated future loss and ALAE payments shown in these worksheets are adjusted to reflect the estimated impact of mortality. The survival probabilities used in this adjustment are based on the life expectancy as established by the NICA designated consulting physician. A slight change was made beginning December 31, 2013 in the life expectancies used in the development of the case reserve worksheets. The change is related to the claimants whose life expectancy remained the same based on the current review in comparison to the life expectancy established in the prior review by NICA's consulting physician. For these claimants the estimated remaining life expectancy was adjusted to account for the reduction in life expectancy that would be expected for one additional year of survival.

An example of the procedure used to estimate the payment pattern for birth year 1996 is shown in Appendix A, Exhibit II, Sheets 1a, 1b, 2a, 2b, 3a, and 3b. As described above the payment pattern selected for the 1996 birth year is based on a combination of loss and expense payments made to date relative to the estimated ultimate loss and expense and the estimated future loss and ALAE

payment based on the individual case reserve worksheets (adjusted for the probability of survival). A summary of the development of the remaining estimated payout percentages for the case reserve portion of the six open claims with reserve worksheets for the 1996 birth year is shown in Appendix A. The reserve payment pattern is combined with the actual payment pattern (1996 to 2019) to develop a full payment pattern for the 1996 birth year.

This process is repeated for each birth year and the resulting payment patterns are used for the birth years 2010 and prior. Alternatively, the loss and ALAE payment pattern used for birth years 2011 and subsequent is based on an average of the individual loss and ALAE payment patterns developed for 2010 and prior. The average payment pattern is used for the more recent birth years due to the relative immaturity of the case reserve estimates of the more recent birth years.

#### **Incurred Projection Cumulative Development Factor**

Due to the lack of available incurred loss and expense development information subsequent to 363 months of maturity (1989 birth year evaluated as of March 31, 2019) and the likelihood of continued incurred loss and expense development in the development periods subsequent to 363 months, we developed an estimate of the remaining future loss development (tail factor) excluding the impact of anticipated inflation. The estimated incurred development factor as developed in Appendix C is intended to capture the incurred loss development over the remaining life of the NICA claims.

The approach selected to estimate the remaining incurred loss and loss expense development is to fit an inverse power curve to the weighted average development factors (after adjustment to remove the estimated impact of inflation) as shown in Exhibit VII, Sheet 2b. Fitted tail factors for the period from 363 to 627 months are developed based on alternative fits to factors beginning with the 51:63, 63:75 and 75:87 month factors shown in Exhibit VII, Sheet 2b. Fitted tail factors are developed based on the use of the alternative selections of the values to include in

the least squares fit to the inverse power curve that range from the first eleven factors to the first five factors beginning with the 51:63, 63:75 and 75:87 month factors. A summary of the indicated 363 to ultimate incurred loss and expense tail factors based on the alternative inverse power curve fitted values as well as the final selected incurred loss and expense development factor of 1.099 is shown in Appendix C, Exhibit I.

An illustration of the development of fitted values and the calculation of the indicated 363 months to ultimate tail factor is shown for one of the alternatives in Appendix C, Exhibit II, Sheets 1 and 2. The development of the fitted values for this one illustration is shown in Appendix C, Exhibit II, Sheet 1. The indicated tail factor is based on the extrapolation of the fitted factors for an additional twenty-three years (a rough estimate of the remaining life expectancy of NICA claimants that have or will attain the age of thirty). The extrapolated factors are shown for this one illustration in Column (7) of Appendix C, Exhibit II, Sheet 2.

### **Risk Margin**

Actuaries using a discounted property/casualty loss and loss adjustment expense reserve may include an appropriate risk margin. As part of our determination of actuarially sound and appropriate reserve levels for NICA, we have determined a risk margin to include consideration of the process variation in the aggregate loss and LAE reserve shown in this report.

In order to determine an appropriate risk margin, we used a simulation model that simulates the ultimate payments of open claims. Thirty years of data were incorporated into the model (1989-2018). The data is based upon the actual claim count and claim payments reported by year to NICA, as well as estimated ultimate loss reserves and claim counts. The model is a frequency / severity model where the number of unpaid claims is first modeled and then the severity for each open claim is simulated. For years 1989 to 2013 the open claim count per year is fixed since there is a five year reporting requirement for claims to be made (prior to the

1995 birth year the claim reporting requirement was seven years). For the five years from 2014 to 2018, the number of claims per year is randomly generated based upon accepted claims reported to date and an estimate of the unreported claims. Once the number of claims is determined the severity of each individual open claim is then randomly simulated. The simulated severities are tested to be consistent with the estimated outstanding losses divided by the open claims. Losses for each year are simulated and summed across all thirty years to determine the aggregate losses for all years.

We ran 10,000 iterations to develop a distribution of aggregate losses. In order to determine the risk margin we calculate the mean loss and the losses at various percentiles. The losses at the percentiles are then compared to the mean to determine a risk margin factor. The risk margin factors are then multiplied by the expected reserves calculated based on an assumed inflation rate of 3.50 % and an interest rate of 5.00 % to determine the corresponding risk margin at each percentile.

In our work for self insured entities, we have found that most prudent self-insured's use a risk margin determined at a confidence level varying from 75 to 90%. In the past, NICA has used a contingency reserve developed at approximately the 75% to 80% confidence level. Updating the calculation through December 31, 2018, we recommend a gross risk margin of \$75.5 million based on maintaining the current 80% confidence level. We recommend that NICA set the risk margin at a level no lower than \$75.5 million. This produces a confidence level of approximately 80% that the reserves held by NICA will be adequate to cover its future incurred loss and loss adjustment expense levels for birth years from 1989 to 2018. The following table shows the indicated gross risk margins at various confidence levels as of December 31, 2018.

<b>Confidence Level</b>	<b>Indicated Gross Risk Margin</b>
-----	-----
70.0%	\$ 44.46 Million
75.0%	\$ 59.56 Million
77.0%	\$ 65.71 Million
78.0%	\$ 68.63 Million
79.0%	\$ 71.59 Million
80.0%	\$ 75.57 Million
85.0%	\$ 91.77 Million
90.0%	\$ 115.93 Million
95.0%	\$ 151.67 Million

The above calculated risk margins include consideration of potential adverse deviation from the discounted actuarial central reserve estimate due to process variation in the overall claim amounts (i.e. frequency and severity). The above margin does not include consideration of potential deviation due to parameter variation, including the variation in the inflation and investment parameters used in the calculation of NICA loss reserves.

### **Reinsurance Recoveries**

NICA purchased reinsurance coverage excess of specific and aggregate attachments related to claims incurred during birth years from 1992 to 2003. The reinsurance coverage related to birth years 1992 and 1993 was commuted in 1998 and 2006, respectively. Recently reinsurance treaties provided by AUL/RMS, the reinsurer for birth years 1994 to 1998, and Munich Re, the reinsurer providing the specific excess coverage and aggregate excess coverage above \$ 23.0 million for birth years 1999 to 2001 were commuted. NICA received \$ 10.0 million and \$ 10.6 million in January 2013 from AUL/RMA and Munich Re, respectively for the commutation of specific and aggregate excess coverage provided under the two sets of reinsurance treaties. These agreed commutation amounts have been allocated to each respective birth year based on the previously estimated recovery amounts. The remaining outstanding reinsurance treaties were issued by Gen Re and provide aggregate excess coverage only for birth years 1999 to 2001 (\$3.0

million excess of \$20.0 million) and provide specific and aggregate excess coverage for claims incurred during birth years 2002 and 2003. The commutation of the Gen Re treaties has been the subject of arbitration hearings. Recently a Panel Award was issued related to Phase III of the arbitration hearings. The total amount awarded by the arbitration panel on June 28, 2019 related to Gen Re specific and aggregate excess coverage as well as profit sharing is \$15,990,545 to be paid no later than July 31, 2019.

The estimates as shown in the current report related to the Gen Re reinsurance recoveries reflect changes in the procedure used in prior reports in response to the findings set forth under the Phase I, II, and III Panel Awards. As mentioned previously, the primary findings of the Phase I Panel Award addressed the order of application of limits and the discounting of losses, the applicability of loss development, mortality adjustments and the valuation date of the commutation calculation. Specific factors and assumptions to be utilized in these calculations were addressed in Phase II Panel Award.

Subsequently additional directives were provided in the Phase III Panel Award. As mentioned previously, these additional directives included specific details related to the elimination of individual claimant life expectancy estimates provided by Dr. Duchowny. Also included were specific adjustments to the prospective period expense estimates as included in the NICA reserve worksheets to consider the Panel's estimate of anticipated Medicaid recoveries. The interest rate to be used in the adjustment of the indicated excess recovery from the commutation date to the proposed settlement date selected by the Panel is 4.50% per annum. The Panel also decided to eliminate a significant portion of the loss development included in prior calculations.

A summary of the actual reinsurance recoveries and the panel's indicated reinsurance recoverables related to both the specific and aggregate excess reinsurance purchased by NICA is shown in Exhibit I, Sheets 4a and 4b.



Summary of Estimated Outstanding Loss & Expense  
Before and After Consideration of Prospective Period Inflation and Anticipated Investment Income

Prior to Consideration of Reinsurance Recoveries / Recoverables  
Evaluated As of March 31, 2019

Assumptions :

(1) Prospective Inflation Rate (Est.)	3.50%
(2) Prospective Investment Return (Est.)	5.00%
(3) Incurred Loss Development Factor - 363 to Ult.	1.099

Birth Year	Current Level Before Inflation and Present Value Adjust.		Actual (b) Paid Loss and Expense	Loss & Expense - After Inflation and Present Value Adjustment			Selected Ultimate Loss and Expense Present Value Basis (4) + (7)
	Case (a) Outstanding	Total (a) Outstanding		Case (a) Outstanding	Incurring But Not Reported (IBNR) & Bulk (7) - (5)	Total (a) Outstanding	
	(1)	(2)		(3)	(4)	(5)	
1989	11,781,000	15,429,413	14,709,082	9,222,371	2,856,041	12,078,412	26,787,495
1990	5,795,674	7,826,014	6,329,261	4,792,436	1,678,886	6,471,322	12,800,583
1991	18,381,938	20,997,835	9,450,182	13,955,890	1,986,035	15,941,925	25,392,107
1992	35,356,238	41,420,070	15,693,145	27,256,365	4,674,650	31,931,015	47,624,160
1993	26,486,186	32,150,383	20,584,293	20,155,811	4,310,416	24,466,227	45,050,520
1994	13,142,668	15,972,823	7,533,081	9,513,750	2,048,700	11,562,450	19,095,531
1995	22,324,521	25,925,913	10,709,402	17,031,071	2,747,453	19,778,524	30,487,926
1996	20,119,506	23,854,109	9,744,801	15,535,726	2,883,758	18,419,484	28,164,285
1997	27,776,293	32,833,176	12,681,034	20,664,810	3,762,184	24,426,994	37,108,028
1998	48,748,586	57,074,726	21,404,139	36,075,485	6,161,605	42,237,089	63,641,229
1999	14,702,052	18,763,770	12,352,026	11,554,744	3,192,215	14,746,960	27,098,985
2000	14,832,843	17,634,533	6,282,731	11,281,313	2,130,410	13,411,723	19,694,454
2001	21,726,435	24,675,662	7,936,906	16,381,884	2,223,738	18,605,622	26,542,528
2002	51,926,993	60,896,176	16,470,869	38,863,978	6,712,850	45,576,827	62,047,697
2003	11,622,530	13,741,196	4,744,326	9,238,403	1,684,064	10,922,467	15,666,794
2004	23,536,852	27,404,670	5,245,136	17,250,275	2,834,743	20,085,018	25,330,155
2005	25,247,722	31,664,632	7,738,709	18,066,258	4,591,684	22,657,942	30,396,651
2006	40,093,025	49,821,430	9,156,506	29,559,543	7,172,500	36,732,043	45,888,549
2007	29,115,877	37,613,475	9,871,440	21,936,395	6,402,234	28,338,629	38,210,068
2008	45,236,415	56,070,553	5,806,667	31,648,620	7,579,856	39,228,476	45,035,143
2009	51,786,856	65,097,784	7,247,798	37,498,501	9,638,350	47,136,850	54,384,648
2010	25,984,123	33,400,504	2,903,629	17,307,325	4,939,851	22,247,176	25,150,805
2011	43,235,265	58,099,507	4,530,039	29,718,337	10,217,135	39,935,472	44,465,511
2012	30,622,123	42,136,824	2,854,410	20,878,393	7,850,809	28,729,202	31,583,612
2013	25,493,593	38,065,682	3,937,024	17,252,304	8,507,922	25,760,226	29,697,250
2014	34,968,648	56,943,092	4,440,983	23,535,580	14,789,857	38,325,438	42,766,421
2015	39,148,303	66,356,926	2,880,464	26,191,675	18,203,583	44,395,258	47,275,723
2016	6,518,866	36,816,998	587,034	4,338,432	20,163,997	24,502,429	25,089,463
2017	18,167,891	72,472,647	637,742	12,038,244	35,982,925	48,021,169	48,658,911
2018	13,683,018	78,480,317	154,648	9,012,286	42,678,585	51,690,871	51,845,519
2019 (3 Mo)	30,000	19,997,038	-	19,549	13,011,234	13,030,783	13,030,783
Totals:							
Excl. ULAE	797,592,040	1,179,637,877	244,617,507	577,775,755	263,618,270	841,394,024	1,086,011,531
ULAE (c)	N/A	N/A	N/A	-	13,237,822	13,237,822	N/A
Incl. ULAE	N/A	N/A	N/A	577,775,755	276,856,092	854,631,847	N/A

Notes: (a) Exhibit I, Sheet 1c plus Column (4) of Exhibit I, Sheet 1b. The estimates shown on Exhibit I, Sheet 1c are prior to inclusion of the reserve estimate for the retrospective portion of the class action settlement. Exhibit I, Sheet 1b summarizes the estimated reserves related to the retrospective portion of the class action.  
 (b) See Exhibit I, Sheet 1c, Column (4) plus Exhibit I, Sheet 1b, Column (3).  
 (c) See Exhibit I, Sheet 5a. ULAE reserve estimates are developed based on an assumed expense inflation rate of three percent and investment return of five percent.

Summary of Case Reserves Related to Retroactive Portion of Class Action Settlement Agreement

Evaluated As of March 31, 2019

Birth Year	Incurring Amounts Related to Retroactive Payments (a) @ 3/31/19	Amounts Paid as of 3/31/19 Related to Retroactive Payments (a)	Case Reserves Related to Retroactive Payments (a) @ 3/31/19 (2) - (3)
(1)	(2)	(3)	(4)
1989	261,214	261,214	-
1990	758,051	758,051	-
1991	792,094	792,094	-
1992	1,951,145	1,951,145	-
1993	910,230	910,230	-
1994	634,196	634,196	-
1995	910,904	910,904	-
1996	797,021	797,021	-
1997	1,624,160	1,624,160	-
1998	2,006,630	2,006,630	-
1999	873,581	873,581	-
2000	599,907	589,907	10,000
2001	115,547	115,547	-
2002	840,587	840,587	-
2003	-	-	-
2004	-	-	-
2005	-	-	-
2006	-	-	-
2007	-	-	-
2008	-	-	-
2009	-	-	-
2010	-	-	-
2011	-	-	-
2012	-	-	-
2013	-	-	-
2014	-	-	-
2015	-	-	-
2016	-	-	-
2017	-	-	-
2018	-	-	-
2019 (3 Mo)	-	-	-
Totals:	13,075,266	13,065,266	10,000

Note: (a) Current NICA case reserve worksheets include estimates of potential retrospective payments related to the recent Basey class action settlement. The reserve estimates for the retrospective portion of this class action are excluded from the NICA reserve estimates as developed in Exhibit I, Sheet 1c and subsequent. The total reserves as shown in Exhibit I, Sheet 1a include both the retrospective estimates shown above plus the estimates for all prospective amounts.

Summary of Estimated Outstanding Loss & Expense  
Before and After Consideration of Prospective Period Inflation and Anticipated Investment Income

Prior to Consideration of Reinsurance Recoveries / Recoverables - Prior to Inclusion of Retrospective Portion of Class Action  
Evaluated As of March 31, 2019

Assumptions :

(1) Prospective Inflation Rate (Est.)	3.50%
(2) Prospective Investment Return (Est.)	5.00%
(3) Incurred Loss Development Factor - 363 to Ult.	1.099

Excludes Case Reserves Related to Anticipated Retroactive Class Action Payments (a)

Birth Year	Current Level Before Inflation and Present Value Adjust.		Actual (b) Paid Loss and Expense	Loss & Expense - After Inflation and Present Value Adjustment			Selected Ultimate Loss and Expense Present Value Basis (4) + (7)	Average Inflation & Present Value Factor (7) / (3)
	Case (b) Outstanding	Total (b) Outstanding		Case (c) Outstanding (2) X (9)	Incurred But Not Reported (IBNR) & Bulk	Total (c) Outstanding		
	(1)	(2)		(3)	(4)	(5)		
1989	11,781,000	15,429,413	14,447,869	9,222,371	2,856,041	12,078,412	26,526,281	0.78282
1990	5,795,674	7,826,014	5,571,210	4,792,436	1,678,886	6,471,322	12,042,532	0.82690
1991	18,381,938	20,997,835	8,658,088	13,955,890	1,986,035	15,941,925	24,600,013	0.75922
1992	35,356,238	41,420,070	13,742,000	27,256,365	4,674,650	31,931,015	45,673,014	0.77091
1993	26,486,186	32,150,383	19,674,063	20,155,811	4,310,416	24,466,227	44,140,291	0.76099
1994	13,142,668	15,972,823	6,898,885	9,513,750	2,048,700	11,562,450	18,461,335	0.72388
1995	22,324,521	25,925,913	9,798,498	17,031,071	2,747,453	19,778,524	29,577,022	0.76289
1996	20,119,506	23,854,109	8,947,780	15,535,726	2,883,758	18,419,484	27,367,264	0.77217
1997	27,776,293	32,833,176	11,056,873	20,664,810	3,762,184	24,426,994	35,483,867	0.74397
1998	48,748,586	57,074,726	19,397,510	36,075,485	6,161,605	42,237,089	61,634,599	0.74003
1999	14,702,052	18,763,770	11,478,445	11,554,744	3,192,215	14,746,960	26,225,404	0.78593
2000	14,822,843	17,624,533	5,692,824	11,271,313	2,130,410	13,401,723	19,094,547	0.76040
2001	21,726,435	24,675,662	7,821,359	16,381,884	2,223,738	18,605,622	26,426,981	0.75401
2002	51,926,993	60,896,176	15,630,282	38,863,978	6,712,850	45,576,827	61,207,110	0.74843
2003	11,622,530	13,741,196	4,744,326	9,238,403	1,684,064	10,922,467	15,666,794	0.79487
2004	23,536,852	27,404,670	5,245,136	17,250,275	2,834,743	20,085,018	25,330,155	0.73290
2005	25,247,722	31,664,632	7,738,709	18,066,258	4,591,684	22,657,942	30,396,651	0.71556
2006	40,093,025	49,821,430	9,156,506	29,559,543	7,172,500	36,732,043	45,888,549	0.73727
2007	29,115,877	37,613,475	9,871,440	21,936,395	6,402,234	28,338,629	38,210,068	0.75342
2008	45,236,415	56,070,553	5,806,667	31,648,620	7,579,856	39,228,476	45,035,143	0.69963
2009	51,786,856	65,097,784	7,247,798	37,498,501	9,638,350	47,136,850	54,384,648	0.72409
2010	25,984,123	33,400,504	2,903,629	17,307,325	4,939,851	22,247,176	25,150,805	0.66607
2011	43,235,265	58,099,507	4,530,039	29,718,337	10,217,135	39,935,472	44,465,511	0.68736
2012	30,622,123	42,136,824	2,854,410	20,878,393	7,850,809	28,729,202	31,583,612	0.68181
2013	25,493,593	38,065,682	3,937,024	17,252,304	8,507,922	25,760,226	29,697,250	0.67673
2014	34,968,648	56,943,092	4,440,983	23,535,580	14,789,857	38,325,438	42,766,421	0.67305
2015	39,148,303	66,356,926	2,880,464	26,191,675	18,203,583	44,395,258	47,275,723	0.66904
2016	6,518,866	36,816,998	587,034	4,338,432	20,163,997	24,502,429	25,089,463	0.66552
2017	18,167,891	72,472,647	637,742	12,038,244	35,982,925	48,021,169	48,658,911	0.66261
2018	13,683,018	78,480,317	154,648	9,012,286	42,678,585	51,690,871	51,845,519	0.65865
2019 (3 Mo)	30,000	19,997,038	-	19,549	13,011,234	13,030,783	13,030,783	0.65164
Totals:								
Excl. ULAE	797,582,040	1,179,627,877	231,552,241	577,765,755	263,618,270	841,384,024	1,072,936,265	0.71326
ULAE (d)	N/A	N/A	N/A	-	13,237,822	13,237,822	N/A	N/A
Incl. ULAE	N/A	N/A	N/A	577,765,755	276,856,092	854,621,847	N/A	N/A

Notes: (a) Current NICA case reserve worksheets include estimates of potential retrospective payments related to the recent Basey class action. The estimated retrospective portion of this class action are excluded from the loss reserve development process. The estimated amounts are then added to the reserve estimates as shown above. A summary of the estimated retrospective payments is shown in Exhibit I, Sheet 1b.

(b) See Exhibit III, Columns (8), (5) and (6) for case outstanding, total outstanding (case, bulk and IBNR) and paid, respectively.

(c) Based on application of the inflation and discount factors to the estimated payment stream as shown in Exhibit II, Sheets 2a, 2b, 3a, 3b, 4a and 4b.

(d) See Exhibit I, Sheet 5a. ULAE reserve estimates are developed based on an assumed expense inflation rate of three percent and investment return of five percent rather than the three and one-half percent inflation assumed for loss and ALAE.

Summary of Estimated Outstanding Loss & Expense  
 Before and After Consideration of Prospective Period Inflation and Anticipated Investment Income  
 Excluding ULAE Expense Reserve  
 Prior to Consideration of Reinsurance Recoveries / Recoverables  
 Evaluated As of March 31, 2019

## Assumptions :

(1) Prospective Inflation Rate (Est.)	3.50%
(2) Prospective Investment Return (Est.)	5.00%
(3) Incurred Loss Development Factor - 363 to Ult.	1.099

	Outstanding Loss & ALAE (Case + Bulk + IBNR) @ 3/31/19 ----- (2)	Case Outstanding Loss & ALAE @ 3/31/19 ----- (3)	Bulk / IBNR Loss & ALAE @ 3/31/19 (2) - (3) ----- (4)
I. Excluding Case Reserves Related to Anticipated Retroactive Class Action Payments			
A. 2019 Level Basis (a)	1,179,627,877	797,582,040	382,045,837
B. Prospective Period Cost Basis			
1. Before Anticipated Investment Returns (b)	3,541,510,228	N/A	N/A
2. After Anticipated Investment Returns (b)	841,384,024	577,765,755	263,618,270
II. Including Case Reserves Related to Anticipated Retroactive Class Action Payments (c)			
A. 2019 Level Basis (d)	1,179,637,877	797,592,040	382,045,837
B. Prospective Period Cost Basis			
1. Before Anticipated Investment Returns	3,541,520,228	N/A	N/A
2. After Anticipated Investment Returns (d)	841,394,024	577,775,755	263,618,270

Notes: (a) See Exhibit I, Sheet 1c.

(b) See Exhibit I, Sheet 3, Columns (7) and (8). The allocation to case and bulk / IBNR is shown on Exhibit I, Sheet 1c, Columns (5) and (6).

(c) Current NICA case reserve worksheets include estimates of potential retrospective payments related to the recent Basey class action. The estimated retrospective portion of this class action are excluded from the loss reserve development process. The estimated amounts are then added to the reserve estimates as shown above. A summary of the estimated retrospective payments is shown in Exhibit I, Sheet 1b.

(d) See Exhibit I, Sheet 1a.

Summary of Estimated Outstanding Loss & Expense  
 Before and After Consideration of Prospective Period Inflation and Anticipated Investment Income  
 Excluding ULAE Expense Reserve  
 Prior to Consideration of Reinsurance Recoveries / Recoverables  
 Evaluated As of March 31, 2019

## Assumptions :

(1) Prospective Inflation Rate (Est.)	3.00%
(2) Prospective Investment Return (Est.)	5.00%
(3) Incurred Loss Development Factor - 363 to Ult.	1.099

	Outstanding Loss & ALAE (Case + Bulk + IBNR) @ 3/31/19 ----- (2)	Case Outstanding Loss & ALAE @ 3/31/19 ----- (3)	Bulk / IBNR Loss & ALAE @ 3/31/19 (2) - (3) ----- (4)
I. Excluding Case Reserves Related to Anticipated Retroactive Class Action Payments			
A. 2019 Level Basis (a)	1,179,627,877	797,582,040	382,045,837
B. Prospective Period Cost Basis			
1. Before Anticipated Investment Returns (b)	2,948,536,394	N/A	N/A
2. After Anticipated Investment Returns (b)	760,709,957	524,670,268	236,039,689
II. Including Case Reserves Related to Anticipated Retroactive Class Action Payments (c)			
A. 2019 Level Basis	1,179,637,877	797,592,040	382,045,837
B. Prospective Period Cost Basis			
1. Before Anticipated Investment Returns	2,948,546,394	N/A	N/A
2. After Anticipated Investment Returns	760,719,957	524,680,268	236,039,689

Notes: (a) Calculations for alternative assumption sets are not shown. However the calculations are similar to Exhibit III, Sheet 2.  
 (b) Calculations for alternative assumption sets are not shown. However they are similar to those shown in Exhibit I, Sheet 3.  
 (c) Current NICA case reserve worksheets include estimates of potential retrospective payments related to the recent Basesy class action. The estimated retrospective portion of this class action are excluded from the loss reserve development process. The estimated amounts are then added to the reserve estimates as shown above. A summary of the estimated retrospective payments is shown in Exhibit I, Sheet 1b.

Summary of Estimated Outstanding Loss & Expense  
 Before and After Consideration of Prospective Period Inflation and Anticipated Investment Income  
 Excluding ULAE Expense Reserve  
 Prior to Consideration of Reinsurance Recoveries / Recoverables  
 Evaluated As of March 31, 2019

## Assumptions :

(1) Prospective Inflation Rate (Est.)	4.00%
(2) Prospective Investment Return (Est.)	5.00%
(3) Incurred Loss Development Factor - 363 to Ult.	1.099

	Outstanding Loss & ALAE (Case + Bulk + IBNR) @ 3/31/19 ----- (2)	Case Outstanding Loss & ALAE @ 3/31/19 ----- (3)	Bulk / IBNR Loss & ALAE @ 3/31/19 (2) - (3) ----- (4)
I. Excluding Case Reserves Related to Anticipated Retroactive Class Action Payments			
A. 2019 Level Basis (a)	1,179,627,877	797,582,040	382,045,837
B. Prospective Period Cost Basis			
1. Before Anticipated Investment Returns (b)	4,292,667,646	N/A	N/A
2. After Anticipated Investment Returns (b)	935,917,394	639,624,597	296,292,797
II. Including Case Reserves Related to Anticipated Retroactive Class Action Payments (c)			
A. 2019 Level Basis	1,179,637,877	797,592,040	382,045,837
B. Prospective Period Cost Basis			
1. Before Anticipated Investment Returns	4,292,677,646	N/A	N/A
2. After Anticipated Investment Returns	935,927,394	639,634,597	296,292,797

Notes: (a) Calculations for alternative assumption sets are not shown. However the calculations are similar to Exhibit III, Sheet 2.  
 (b) Calculations for alternative assumption sets are not shown. However they are similar to those shown in Exhibit I, Sheet 3.  
 (c) Current NICA case reserve worksheets include estimates of potential retrospective payments related to the recent Basesy class action. The estimated retrospective portion of this class action are excluded from the loss reserve development process. The estimated amounts are then added to the reserve estimates as shown above. A summary of the estimated retrospective payments is shown in Exhibit I, Sheet 1b.

Summary of Estimated Outstanding Loss & Expense  
 Before and After Consideration of Prospective Period Inflation and Anticipated Investment Income  
 Excluding ULAE Expense Reserve  
 Prior to Consideration of Reinsurance Recoveries / Recoverables  
 Evaluated As of March 31, 2019

## Assumptions :

(1) Prospective Inflation Rate (Est.)	7.50%
(2) Prospective Investment Return (Est.)	9.00%
(3) Incurred Loss Development Factor - 363 to Ult.	1.099

	Outstanding Loss & ALAE (Case + Bulk + IBNR) @ 3/31/19 ----- (2)	Case Outstanding Loss & ALAE @ 3/31/19 ----- (3)	Bulk / IBNR Loss & ALAE @ 3/31/19 (2) - (3) ----- (4)
<b>I. Excluding Case Reserves Related to Anticipated Retroactive Class Action Payments</b>			
A. 2019 Level Basis (a)	1,179,627,877	797,582,040	382,045,837
<b>B. Prospective Period Cost Basis</b>			
1. Before Anticipated Investment Returns (b)	21,079,527,317	N/A	N/A
2. After Anticipated Investment Returns (b)	851,062,723	584,116,188	266,946,535
<b>II. Including Case Reserves Related to Anticipated Retroactive Class Action Payments (c)</b>			
A. 2019 Level Basis	1,179,637,877	797,592,040	382,045,837
<b>B. Prospective Period Cost Basis</b>			
1. Before Anticipated Investment Returns	21,079,537,317	N/A	N/A
2. After Anticipated Investment Returns	851,072,723	584,126,188	266,946,535

Notes: (a) Calculations for alternative assumption sets are not shown. However the calculations are similar to Exhibit III, Sheet 2.  
 (b) Calculations for alternative assumption sets are not shown. However they are similar to those shown in Exhibit I, Sheet 3.  
 (c) Current NICA case reserve worksheets include estimates of potential retrospective payments related to the recent Basey class action. The estimated retrospective portion of this class action are excluded from the loss reserve development process. The estimated amounts are then added to the reserve estimates as shown above. A summary of the estimated retrospective payments is shown in Exhibit I, Sheet 1b.

Summary of Estimated Outstanding Loss & Expense  
 Before and After Consideration of Prospective Period Inflation and Anticipated Investment Income  
 Excluding ULAE Expense Reserve  
 Prior to Consideration of Reinsurance Recoveries / Recoverables  
 Evaluated As of March 31, 2019

## Assumptions :

(1) Prospective Inflation Rate (Est.)	3.50%
(2) Prospective Investment Return (Est.)	5.00%
(3) Incurred Loss Development Factor - 363 to Ult.	1.199

	Outstanding Loss & ALAE (Case + Bulk + IBNR) @ 3/31/19 ----- (2)	Case Outstanding Loss & ALAE @ 3/31/19 ----- (3)	Bulk / IBNR Loss & ALAE @ 3/31/19 (2) - (3) ----- (4)
<b>I. Excluding Case Reserves Related to Anticipated Retroactive Class Action Payments</b>			
A. 2019 Level Basis (a)	1,315,406,446	797,582,040	517,824,406
<b>B. Prospective Period Cost Basis</b>			
1. Before Anticipated Investment Returns (b)	3,971,161,026	N/A	N/A
2. After Anticipated Investment Returns (b)	935,904,775	576,518,133	359,386,642
<b>II. Including Case Reserves Related to Anticipated Retroactive Class Action Payments (c)</b>			
A. 2019 Level Basis	1,315,416,446	797,592,040	517,824,406
<b>B. Prospective Period Cost Basis</b>			
1. Before Anticipated Investment Returns	3,971,171,026	N/A	N/A
2. After Anticipated Investment Returns	935,914,775	576,528,133	359,386,642

Notes: (a) Calculations for alternative assumption sets are not shown. However the calculations are similar to Exhibit III, Sheet 2.  
 (b) Calculations for alternative assumption sets are not shown. However they are similar to those shown in Exhibit I, Sheet 3.  
 (c) Current NICA case reserve worksheets include estimates of potential retrospective payments related to the recent Basey class action. The estimated retrospective portion of this class action are excluded from the loss reserve development process. The estimated amounts are then added to the reserve estimates as shown above. A summary of the estimated retrospective payments is shown in Exhibit I, Sheet 1b.



Summary of Estimated Outstanding Loss & Expense  
 Before and After Consideration of Prospective Period Inflation and Anticipated Investment Income  
 Excluding ULAE Expense Reserve  
 Prior to Consideration of Reinsurance Recoveries / Recoverables  
 Evaluated As of March 31, 2019

## Assumptions :

(1) Prospective Inflation Rate (Est.)	3.50%
(2) Prospective Investment Return (Est.)	5.00%
(3) Incurred Loss Development Factor - 363 to Ult.	1.000

	Outstanding Loss & ALAE (Case + Bulk + IBNR) @ 3/31/19 ----- (2)	Case Outstanding Loss & ALAE @ 3/31/19 ----- (3)	Bulk / IBNR Loss & ALAE @ 3/31/19 (2) - (3) ----- (4)
I. Excluding Case Reserves Related to Anticipated Retroactive Class Action Payments			
A. 2019 Level Basis (a)	1,045,619,508	797,582,040	248,037,468
B. Prospective Period Cost Basis			
1. Before Anticipated Investment Returns (b)	3,116,946,620	N/A	N/A
2. After Anticipated Investment Returns (b)	748,144,435	579,286,515	168,857,919
II. Including Case Reserves Related to Anticipated Retroactive Class Action Payments (c)			
A. 2019 Level Basis	1,045,629,508	797,592,040	248,037,468
B. Prospective Period Cost Basis			
1. Before Anticipated Investment Returns	3,116,956,620	N/A	N/A
2. After Anticipated Investment Returns	748,154,435	579,296,515	168,857,919

Notes: (a) Calculations for alternative assumption sets are not shown. However the calculations are similar to Exhibit III, Sheet 2.

(b) Calculations for alternative assumption sets are not shown. However they are similar to those shown in Exhibit I, Sheet 3.

(c) Current NICA case reserve worksheets include estimates of potential retrospective payments related to the recent Basesy class action. The estimated retrospective portion of this class action are excluded from the loss reserve development process. The estimated amounts are then added to the reserve estimates as shown above. A summary of the estimated retrospective payments is shown in Exhibit I, Sheet 1b.

Estimated Prospective Period Loss & ALAE Payments - By Birth Year  
 Estimated Prospective Period Cost Level Basis - After Future Inflation & Anticipated Investment Income  
 Excluding ULAE Expense Reserve  
 Before Consideration of Reinsurance Recoveries  
 Excluding Estimated Retroactive Class Action Payments

Assumptions :

- (1) Prospective Inflation Rate (Est.) 3.50%
- (2) Prospective Investment Return (Est.) 5.00%

Calendar Year	Prospective Period Level Basis Estimated Prospective Period Loss & ALAE			Calendar Year	Prospective Period Level Basis Estimated Prospective Period Loss & ALAE		
	2019 Level Basis (a) Before Invest. Income	After Inflation Before (b) Invest. Income	After (c) Inflation and Invest. Income		2019 Level Basis (a) Before Invest. Income	After Inflation Before (b) Invest. Income	After (c) Inflation and Invest. Income
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2019	24,457,309	24,774,865	24,325,698	2069	9,453,369	53,252,399	4,587,509
2020	23,092,102	24,106,763	22,680,482	2070	9,000,769	52,477,430	4,305,474
2021	26,844,187	29,004,544	25,989,033	2071	8,520,275	51,414,653	4,017,409
2022	26,696,363	29,854,392	25,476,690	2072	8,083,787	50,488,036	3,757,148
2023	27,652,653	32,006,140	26,012,301	2073	7,877,892	50,924,172	3,609,146
2024	25,802,179	30,909,588	23,924,860	2074	7,564,086	50,607,022	3,415,875
2025	29,872,821	37,038,503	27,303,624	2075	6,807,843	47,141,588	3,030,443
2026	25,479,118	32,696,549	22,955,117	2076	6,388,804	45,788,311	2,803,285
2027	25,470,645	33,829,675	22,619,662	2077	5,996,946	44,484,170	2,593,754
2028	27,821,459	38,245,306	24,354,383	2078	5,880,258	45,145,256	2,506,953
2029	25,318,479	36,022,695	21,846,702	2079	5,250,818	41,723,723	2,206,621
2030	25,400,208	37,403,842	21,604,121	2080	4,897,858	40,281,218	2,028,888
2031	25,144,820	38,323,734	21,081,374	2081	4,723,259	40,204,855	1,928,611
2032	28,033,396	44,221,691	23,167,391	2082	4,241,073	37,363,958	1,706,985
2033	26,217,301	42,804,356	21,357,010	2083	4,007,729	36,543,981	1,590,023
2034	24,575,866	41,528,780	19,733,874	2084	3,620,153	34,165,259	1,415,738
2035	24,421,405	42,712,140	19,329,705	2085	3,331,373	32,540,290	1,284,193
2036	24,431,708	44,225,715	19,061,605	2086	3,064,273	30,978,898	1,164,355
2037	24,164,342	45,272,695	18,583,677	2087	2,807,136	29,372,599	1,051,411
2038	25,925,107	50,271,552	19,652,974	2088	2,701,299	29,254,452	997,316
2039	26,272,916	52,729,100	19,632,113	2089	2,332,625	26,145,957	848,900
2040	23,770,953	49,377,492	17,508,802	2090	2,129,035	24,699,195	763,739
2041	23,425,867	50,363,795	17,008,129	2091	1,930,182	23,176,005	682,514
2042	23,139,610	51,489,558	16,560,291	2092	1,732,975	21,536,396	604,028
2043	23,689,143	54,557,295	16,711,380	2093	1,564,852	20,127,704	537,637
2044	22,388,805	53,367,241	15,568,435	2094	1,376,157	18,320,157	466,052
2045	22,104,033	54,532,537	15,150,836	2095	1,241,896	17,111,456	414,575
2046	23,203,296	59,248,071	15,677,103	2096	1,087,837	15,513,352	357,958
2047	20,932,156	55,319,575	13,940,589	2097	956,605	14,119,364	310,279
2048	21,700,148	59,356,452	14,245,606	2098	849,443	12,976,482	271,585
2049	19,717,503	55,820,985	12,759,134	2099	731,338	11,563,278	230,483
2050	19,154,533	56,125,148	12,217,769	2100	625,226	10,231,522	194,227
2051	18,518,435	56,160,447	11,643,289	2101	542,532	9,189,027	166,131
2052	17,881,684	56,127,415	11,082,324	2102	459,140	8,048,767	138,586
2053	19,312,079	62,738,771	11,797,840	2103	388,357	7,046,207	115,547
2054	16,985,501	57,111,781	10,228,287	2104	325,950	6,120,907	95,593
2055	16,367,276	56,959,226	9,715,205	2105	267,827	5,205,465	77,425
2056	15,920,209	57,342,522	9,314,840	2106	217,378	4,372,815	61,943
2057	15,396,680	57,397,830	8,879,833	2107	178,629	3,719,103	50,174
2058	15,769,756	60,846,235	8,965,071	2108	148,195	3,193,449	41,031
2059	14,313,994	57,162,330	8,021,224	2109	121,730	2,714,966	33,222
2060	14,710,482	60,801,784	8,125,643	2110	88,395	2,040,488	23,780
2061	13,301,521	56,902,465	7,242,411	2111	66,293	1,583,861	17,579
2062	12,839,700	56,849,283	6,891,088	2112	50,173	1,240,673	13,115
2063	12,787,466	58,599,643	6,765,011	2113	39,820	1,019,136	10,260
2064	11,810,743	56,018,059	6,159,029	2114	30,391	805,040	7,719
2065	11,330,515	55,621,261	5,824,193	2115	18,829	516,217	4,714
2066	10,909,692	55,429,891	5,527,766	2116	17,485	496,148	4,315
2067	10,958,963	57,629,032	5,473,406	2117	13,014	382,207	3,166
2068	10,438,453	56,813,082	5,138,962	2118	2,987	90,785	716

Subtotals: 1,045,873,580 2,424,051,834 784,835,893 Subtotals: 133,754,297 1,117,458,394 56,548,132

Totals - All Years 1,179,627,877 3,541,510,228 841,384,024

Notes: (a) See Exhibit II, Sheet 1, Columns (2) and (4).  
 (b) Calculated based on estimated incremental payments shown in columns (2) and (6) and the estimated annual inflation rate shown in Assumption #1 above. Payments are assumed to be made at the midpoint of each year.  
 (c) The inflated amounts before discount as shown in columns (3) and (7) are discounted to March 31, 2019 based on the assumed investment rate shown in Assumption # 2.

Summary of Estimates By Component - Outstanding Loss & Expense

Net of Estimated Reinsurance Recoveries / Recoverables  
Evaluated As of March 31, 2019

Birth Year	Prior to Reinsurance Recoverables				Net of Reinsurance Basis							
	Total O/S Loss and Exp. After Inflation and P.V. (a) Adjustment	Actual (b) Paid Loss and Expense	Current Value Ultimate Loss & ALAE (2) + (3)	Specific X/S Recovery		Aggregate X/S Recovery		Experience Refund Received to Date (c)	Paid Loss & Expense (3)-(5)-(7)-(9)	Outstanding Loss and Expense After Inflation and P.V. (2)-(6)-(8)	Indicated Ultimate After Inflation and P.V. (10) + (11)	
				Actual Recovered (c) @ 3/31/19	Indicated (d) Settlement Recoverable	Actual Recovered (c) @ 3/31/19	Indicated (d) Settlement Recoverable					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
1989	12,078,412	14,709,082	26,787,495						14,709,082	12,078,412	26,787,495	
1990	6,471,322	6,329,261	12,800,583						6,329,261	6,471,322	12,800,583	
1991	15,941,925	9,450,182	25,392,107						9,450,182	15,941,925	25,392,107	
1992	31,931,015	15,693,145	47,624,160			477,375		-	15,215,770	31,931,015	47,146,785	
1993	24,466,227	20,584,293	45,050,520	11,408,065		10,000,000		-	(823,772)	24,466,227	23,642,455	
1994	11,562,450	7,533,081	19,095,531	1,726,833		-		423,375	5,382,873	11,562,450	16,945,323	
1995	19,778,524	10,709,402	30,487,926	2,497,577		-		375,000	7,836,825	19,778,524	27,615,349	
1996	18,419,484	9,744,801	28,164,285	959,723		-		408,750	8,376,328	18,419,484	26,795,812	
1997	24,426,994	12,681,034	37,108,028	2,132,728		-		423,750	10,124,555	24,426,994	34,551,549	
1998	42,237,089	21,404,139	63,641,229	2,683,139		-		-	18,721,001	42,237,089	60,958,090	
1999	14,746,960	12,352,026	27,098,985	3,143,106	-	2,597,638	259,047	-	6,611,283	14,487,913	21,099,196	
2000	13,411,723	6,282,731	19,694,454	2,150,848	-	-	259,047	-	4,131,883	13,152,676	17,284,559	
2001	18,605,622	7,936,906	26,542,528	2,708,409	-	-	259,047	-	5,228,496	18,346,575	23,575,072	
2002	45,576,827	16,470,869	62,047,697	-	7,573,122	-	5,382,417	-	16,470,869	32,621,288	49,092,157	
2003	10,922,467	4,744,326	15,666,794	-	2,257,865	-	-	-	4,744,326	8,664,602	13,408,929	
2004	20,085,018	5,245,136	25,330,155						5,245,136	20,085,018	25,330,155	
2005	22,657,942	7,738,709	30,396,651						7,738,709	22,657,942	30,396,651	
2006	36,732,043	9,156,506	45,888,549						9,156,506	36,732,043	45,888,549	
2007	28,338,629	9,871,440	38,210,068						9,871,440	28,338,629	38,210,068	
2008	39,228,476	5,806,667	45,035,143						5,806,667	39,228,476	45,035,143	
2009	47,136,850	7,247,798	54,384,648						7,247,798	47,136,850	54,384,648	
2010	22,247,176	2,903,629	25,150,805						2,903,629	22,247,176	25,150,805	
2011	39,935,472	4,530,039	44,465,511						4,530,039	39,935,472	44,465,511	
2012	28,729,202	2,854,410	31,583,612						2,854,410	28,729,202	31,583,612	
2013	25,760,226	3,937,024	29,697,250						3,937,024	25,760,226	29,697,250	
2014	38,325,438	4,440,983	42,766,421						4,440,983	38,325,438	42,766,421	
2015	44,395,258	2,880,464	47,275,723						2,880,464	44,395,258	47,275,723	
2016	24,502,429	587,034	25,089,463						587,034	24,502,429	25,089,463	
2017	48,021,169	637,742	48,658,911						637,742	48,021,169	48,658,911	
2018	51,690,871	154,648	51,845,519						154,648	51,690,871	51,845,519	
2019 (3 Mo)	13,030,783	-	13,030,783						-	13,030,783	13,030,783	
Totals:												
Excl. ULAE	841,394,024	244,617,507	1,086,011,531	29,410,427	9,830,987	13,075,013	6,159,558	1,630,875	200,501,192	825,403,479	1,025,904,671	
ULAE (e)									N/A	13,237,822	N/A	
Incl. ULAE									N/A	838,641,302	N/A	

Notes: (a) See Exhibit I, Sheet 1a, Column (7).  
 (b) See Exhibit I, Sheet 1a, Column (4).  
 (c) See Exhibit I, Sheet 4b, Columns (4), (8), and (10), respectively.  
 (d) See Exhibit I, Sheet 4b, Columns (5) and (9), respectively..  
 (e) See Exhibit I, Sheet 5a.

Summary of Estimated Reinsurance Recoveries / Recoverables

Evaluated As of March 31, 2019

Birth Year	Specific Excess Reinsurance (a)				Aggregate Excess Reinsurance (a)				Experience Refund Received to Date (d)
	Retention	Excess Layer	Actual Recovered (b) @ 3/31/19	Indicated (c) Settlement Recoverable	Retention	Excess Layer	Actual Recovered (b) @ 3/31/19	Indicated (c) Settlement Recoverable	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	100%	N/A			100%	N/A			
1990	100%	N/A			100%	N/A			
1991	100%	N/A			100%	N/A			
1992	4,000,000	2,500,000	-		21,530,000	10,000,000	477,375		
1993	4,000,000	2,500,000	11,408,065		21,530,000	10,000,000	10,000,000		
1994	4,000,000	2,500,000	1,726,833		21,530,000	10,000,000	-		423,375
1995	4,000,000	2,500,000	2,497,577		19,940,000	10,000,000	-		375,000
1996	4,000,000	2,500,000	959,723		19,940,000	10,000,000	-		408,750
1997	4,000,000	2,500,000	2,132,728		22,900,000	10,000,000	-		423,750
1998	4,250,000	2,500,000	2,683,139		23,500,000	10,000,000	-		
1999	4,250,000	2,500,000	3,143,106	-	20,000,000	13,000,000	2,597,638	259,047	
2000	4,250,000	2,500,000	2,150,848	-	20,000,000	13,000,000	-	259,047	
2001	4,250,000	2,500,000	2,708,409	-	20,000,000	13,000,000	-	259,047	
2002	4,250,000	2,500,000		7,573,122	23,637,681	13,000,000		5,382,417	
2003	4,250,000	2,500,000		2,257,865	25,144,928	13,000,000		-	
2004	100%	N/A							
2005	100%	N/A							
2006	100%	N/A							
2007	100%	N/A							
2008	100%	N/A							
2009	100%	N/A							
2010	100%	N/A							
2011	100%	N/A							
2012	100%	N/A							
2013	100%	N/A							
2014	100%	N/A							
2015	100%	N/A							
2016	100%	N/A							
2017	100%	N/A							
2018	100%	N/A							
2019 (3 Mo)	100%	N/A							
Totals:			29,410,427	9,830,987			13,075,013	6,159,558	1,630,875

- Notes: (a) The specific and aggregate excess recoveries and recoverables shown are based on final amounts received as a result of negotiations and arbitration proceedings for birth years 1992 to 2001 (AUL/RMS and Munich Re) and the indicated settlement recoverable recoverable no later than July 31, 2019 for birth years 1999 to 2003. The AUL/RMS and Munich Re treaties been commuted. The amounts shown for birth years 1999 to 2003 are based on the final Phase III Award issued by the NICA / Gen Re Arbitration Panel to be paid no later than July 31, 2019. The total amount awarded for specific and aggregate excess coverage as well as the profit sharing provision included in reinsurance treaties provided by Gen Re is \$ 15,990,545.
- (b) The amounts recovered to date from the various reinsurers (AUL/RMS and Munich Re) are based on three separate reinsurance negotiation / arbitration proceedings. It is our understanding amounts received to date are \$21,408,065 (birth year 1993), \$10,000,000 (birth years 1994 to 1998), and \$10,600,000 (birth years 1999 to 2001). These amounts have been allocated to each birth year based on the calculated recoverables developed as of September 30, 2012.
- (c) The final amounts awarded on June 28, 2019 by the arbitration panel relate to specific and aggregate excess coverage provided by Gen Re on birth years 2002 and 2003 and also the buffer layer (\$3.0 million excess of \$20.0 million) aggregate excess recoveries related to birth years 1999 to 2001. The final amount awarded by the Arbitration Panel on June 28, 2019 related to Gen Re specific and aggregate excess coverage as well as profit sharing is \$15,990,545. This amount is allocated to each birth year based on the calculated recoverables developed based on NICA's assumptions prior to the final Award.
- (d) Actual experience refund received to date. As mentioned above the experience refund related to birth years 1999 to 2001 is included in the \$ 15,990,545 allocated to the birth years 1999 to 2003 shown in columns (5) and (9).

## Development of Unallocated Loss Adjustment Expense (ULAE) Reserve

Evaluated As of March 31, 2019

I. ULAE Reserve Related to Settlement of Outstanding Claims (a)	12,287,822
II. ULAE Reserve Related to Collection of Reinsurance Recoveries on Claims Incurred Prior to March 31, 2019 (b) \$ 950,000 x 1	950,000
III. Total ULAE Reserve (I) + (II)	13,237,822

Notes: (a) See Exhibit I, Sheet 5b.

(b) The estimated unallocated loss adjustment expense related to the expense associated with the collection of reinsurance recoveries on claims incurred during birth years 1999 to 2003 is based on current expense budgets as prepared by NICA and a current estimate of one year for the arbitration of collection process related to these claims. Specifically, the estimate is based on average annual expense of \$ 950,000 over the next one year.

Development of Unallocated Loss Adjustment Expense (ULAE) Reserve  
Portion Related to Claims Settlement  
Evaluated As of March 31, 2019

Assumptions:

1. Estimated Calendar Year 2019 Level ULAE Payment (a):	628,775
2. Prospective Inflation Rate - Expense (b):	3.00%
3. Prospective Investment Return (b):	5.00%

Year	2019 Level Expense	Prospective Loss Level (Inflation) Factor	Present Value Factor	Before Mortality			After Mortality	
				Prospective Expense (2) x (3)	Present Value of Prospective Expense (5) x (4)	Weighted Average Probability of Survival	Prospective Expense (5) x (7)	Present Value of Prospective Expense (6) x (7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	628,775	1.015	0.976	638,137	622,758	0.9760	622,820	607,810
2	628,775	1.045	0.929	657,281	610,896	0.9571	629,087	584,691
3	628,775	1.077	0.885	676,999	599,260	0.9383	635,203	562,263
4	628,775	1.109	0.843	697,309	587,845	0.9195	641,152	540,503
5	628,775	1.142	0.803	718,229	576,648	0.9007	646,917	519,394
6	628,775	1.177	0.765	739,776	565,664	0.8820	652,485	498,918
7	628,775	1.212	0.728	761,969	554,890	0.8633	657,839	479,059
8	628,775	1.248	0.694	784,828	544,321	0.8447	662,964	459,801
9	628,775	1.286	0.661	808,373	533,953	0.8262	667,843	441,129
10	628,775	1.324	0.629	832,624	523,782	0.8076	672,457	423,025
11	628,775	1.364	0.599	857,603	513,805	0.7892	676,787	405,475
12	628,775	1.405	0.571	883,331	504,018	0.7707	680,817	388,466
13	628,775	1.447	0.543	909,831	494,418	0.7524	684,531	371,986
14	628,775	1.490	0.518	937,126	485,001	0.7341	687,914	356,024
15	628,775	1.535	0.493	965,239	475,762	0.7158	690,953	340,568
16	628,775	1.581	0.469	994,197	466,700	0.6977	693,633	325,608
17	628,775	1.629	0.447	1,024,022	457,811	0.6796	695,935	311,132
18	628,775	1.677	0.426	1,054,743	449,091	0.6616	697,840	297,128
19	628,775	1.728	0.406	1,086,385	440,536	0.6437	699,328	283,582
20	628,775	1.780	0.386	1,118,977	432,145	0.6259	700,376	270,483
21	628,775	1.833	0.368	1,152,546	423,914	0.6082	700,962	257,818
22	628,775	1.888	0.350	1,187,123	415,839	0.5906	701,061	245,576
23	628,775	1.945	0.334	1,222,736	407,919	0.5730	700,648	233,744
24	628,775	2.003	0.318	1,259,418	400,149	0.5556	699,695	222,311
25	628,775	2.063	0.303	1,297,201	392,527	0.5382	698,174	211,264
26	628,775	2.125	0.288	1,336,117	385,050	0.5210	696,058	200,594
27	628,775	2.189	0.274	1,376,201	377,716	0.5038	693,318	190,290
28	628,775	2.254	0.261	1,417,487	370,521	0.4867	689,931	180,343
29	628,775	2.322	0.249	1,460,011	363,464	0.4698	685,869	170,744
30	628,775	2.392	0.237	1,503,811	356,541	0.4529	681,108	161,485
31	628,775	2.463	0.226	1,548,926	349,749	0.4362	675,623	152,557
32	628,775	2.537	0.215	1,595,394	343,088	0.4196	669,390	143,952
33	628,775	2.613	0.205	1,643,255	336,553	0.4031	662,386	135,662
34	628,775	2.692	0.195	1,692,553	330,142	0.3867	654,590	127,682
35	628,775	2.773	0.186	1,743,330	323,854	0.3705	645,983	120,003
36	628,775	2.856	0.177	1,795,630	317,685	0.3545	636,549	112,619
37	628,775	2.941	0.168	1,849,498	311,634	0.3386	626,273	105,525
38	628,775	3.030	0.160	1,904,983	305,698	0.3229	615,142	98,714
39	628,775	3.121	0.153	1,962,133	299,875	0.3074	603,149	92,180
40	628,775	3.214	0.146	2,020,997	294,163	0.2921	590,290	85,919
41	628,775	3.311	0.139	2,081,627	288,560	0.2770	576,569	79,925
42	628,775	3.410	0.132	2,144,076	283,064	0.2621	561,996	74,195
43	628,775	3.512	0.126	2,208,398	277,672	0.2475	546,588	68,725
44	628,775	3.618	0.120	2,274,650	272,383	0.2332	530,371	63,510
45	628,775	3.726	0.114	2,342,889	267,195	0.2191	513,379	58,548
46	628,775	3.838	0.109	2,413,176	262,105	0.2054	495,652	53,835
47	628,775	3.953	0.103	2,485,571	257,113	0.1920	477,239	49,367
48	628,775	4.072	0.099	2,560,138	252,215	0.1790	458,200	45,140
49	628,775	4.194	0.094	2,636,943	247,411	0.1663	438,602	41,152
50	628,775	4.320	0.089	2,716,051	242,699	0.1541	418,520	37,398
Totals:	31,438,750			71,979,847	20,195,802		31,740,196	12,287,822

Notes: (a) Estimated current level (2019) unallocated expense based on expense allocation of expected on-going claims expense.  
(b) Investment and inflation rates consistent with selection used in loss and ALAE reserve estimates. Inflation rate slightly less than applied to loss and ALAE due to difference in expected inflation related to loss adjustment expenses.

Estimated Prospective Period Loss & ALAE Payments - By Birth Year  
Estimated 2019 Level Basis - Before Future Inflation & Anticipated Investment Income

Before Consideration of Reinsurance Recoveries

Reserve @ 3/31/19 1,179,627,877

Calendar Year	Estimated Prospective Period Payments 2019 Level Basis (a)	Calendar Year	Estimated Prospective Period Payments 2019 Level Basis (a)
----- (1)	----- (2)	----- (3)	----- (4)
2019	24,457,309	2069	9,453,369
2020	23,092,102	2070	9,000,769
2021	26,844,187	2071	8,520,275
2022	26,696,363	2072	8,083,787
2023	27,652,653	2073	7,877,892
2024	25,802,179	2074	7,564,086
2025	29,872,821	2075	6,807,843
2026	25,479,118	2076	6,388,804
2027	25,470,645	2077	5,996,946
2028	27,821,459	2078	5,880,258
2029	25,318,479	2079	5,250,818
2030	25,400,208	2080	4,897,858
2031	25,144,820	2081	4,723,259
2032	28,033,396	2082	4,241,073
2033	26,217,301	2083	4,007,729
2034	24,575,866	2084	3,620,153
2035	24,421,405	2085	3,331,373
2036	24,431,708	2086	3,064,273
2037	24,164,342	2087	2,807,136
2038	25,925,107	2088	2,701,299
2039	26,272,916	2089	2,332,625
2040	23,770,953	2090	2,129,035
2041	23,425,867	2091	1,930,182
2042	23,139,610	2092	1,732,975
2043	23,689,143	2093	1,564,852
2044	22,388,805	2094	1,376,157
2045	22,104,033	2095	1,241,896
2046	23,203,296	2096	1,087,837
2047	20,932,156	2097	956,605
2048	21,700,148	2098	849,443
2049	19,717,503	2099	731,338
2050	19,154,533	2100	625,226
2051	18,518,435	2101	542,532
2052	17,881,684	2102	459,140
2053	19,312,079	2103	388,357
2054	16,985,501	2104	325,950
2055	16,367,276	2105	267,827
2056	15,920,209	2106	217,378
2057	15,396,680	2107	178,629
2058	15,769,756	2108	148,195
2059	14,313,994	2109	121,730
2060	14,710,482	2110	88,395
2061	13,301,521	2111	66,293
2062	12,839,700	2112	50,173
2063	12,787,466	2113	39,820
2064	11,810,743	2114	30,391
2065	11,330,515	2115	18,829
2066	10,909,692	2116	17,485
2067	10,958,963	2117	13,014
2068	10,438,453	2118	2,987
Subtotals:	1,045,873,580	Subtotals:	133,754,297
		Totals - All Years	1,179,627,877

Note: (a) See Column (2) of Exh bit II, Sheets 2a and 2b.

Estimated Prospective Period Loss & ALAE Payments - By Birth Year  
Estimated 2019 Level Basis - Before Future Inflation & Anticipated Investment Income

Before Consideration of Reinsurance Recoveries  
Evaluated As of March 31, 2019

Calendar Year	BY 2019	Totals All BY'S (c)
-----	-----	-----
(1)	(2)	(3)
Reserve @ 3/31/19 (a)	19,997,038	1,179,627,877

**Estimated Prospective Period Loss & Expense Payments - 2019 Level Basis - (b)**

2019	65,516	24,457,309
2020	299,339	23,092,102
2021	390,033	26,844,187
2022	360,306	26,696,363
2023	306,240	27,652,653
2024	361,958	25,802,179
2025	270,987	29,872,821
2026	241,841	25,479,118
2027	241,753	25,470,645
2028	235,475	27,821,459
2029	259,213	25,318,479
2030	321,796	25,400,208
2031	282,024	25,144,820
2032	308,445	28,033,396
2033	308,850	26,217,301
2034	358,282	24,575,866
2035	320,354	24,421,405
2036	321,786	24,431,708
2037	329,358	24,164,342
2038	324,760	25,925,107
2039	324,539	26,272,916
2040	356,689	23,770,953
2041	386,207	23,425,867
2042	389,250	23,139,610
2043	392,305	23,689,143
2044	398,688	22,388,805
2045	398,736	22,104,033
2046	404,863	23,203,296
2047	400,830	20,932,156
2048	397,525	21,700,148
2049	400,763	19,717,503
2050	386,053	19,154,533
2051	377,208	18,518,435
2052	365,270	17,881,684
2053	358,540	19,312,079
2054	347,227	16,985,501
2055	340,362	16,367,276
2056	327,495	15,920,209
2057	318,275	15,396,680
2058	307,506	15,769,756
2059	297,839	14,313,994
2060	291,062	14,710,482
2061	283,951	13,301,521
2062	278,074	12,839,700
2063	268,581	12,787,466
2064	261,427	11,810,743
2065	253,283	11,330,515
2066	244,827	10,909,692
2067	241,871	10,958,963
2068	234,884	10,438,453

Subtotals 2019 to 2068: 15,942,445 1,045,873,580

Notes: (a) See Exhibit III, Column (5).

(b) Prospective period payments are based on the estimated outstanding loss & expense reserve shown above and the assumed loss payment patterns shown in Appendix A.

(c) Sum of columns (2) to (11) of Exhibit II Sheets 3a, 4a, 5a, and column (2) above.



Estimated Prospective Period Loss & ALAE Payments - By Birth Year  
Estimated 2019 Level Basis - Before Future Inflation & Anticipated Investment Income

Before Consideration of Reinsurance Recoveries  
Evaluated As of March 31, 2019

Calendar Year ----- (1)	BY 2019 ----- (2)	Totals All BY'S (c) ----- (2)
Reserve @ 3/31/19 (a)	19,997,038	1,179,627,877

**Estimated Prospective Period Loss & Expense Payments - 2019 Level Basis - (b)**

2069	227,476	9,453,369
2070	220,009	9,000,769
2071	211,934	8,520,275
2072	204,193	8,083,787
2073	196,836	7,877,892
2074	188,525	7,564,086
2075	183,076	6,807,843
2076	174,876	6,388,804
2077	166,589	5,996,946
2078	159,143	5,880,258
2079	151,617	5,250,818
2080	145,058	4,897,858
2081	138,204	4,723,259
2082	131,419	4,241,073
2083	125,759	4,007,729
2084	117,483	3,620,153
2085	111,937	3,331,373
2086	104,659	3,064,273
2087	98,592	2,807,136
2088	93,350	2,701,299
2089	87,213	2,332,625
2090	82,087	2,129,035
2091	75,439	1,930,182
2092	70,461	1,732,975
2093	65,490	1,564,852
2094	59,532	1,376,157
2095	55,587	1,241,896
2096	50,315	1,087,837
2097	46,344	956,605
2098	41,642	849,443
2099	37,824	731,338
2100	33,892	625,226
2101	29,686	542,532
2102	26,569	459,140
2103	23,478	388,357
2104	20,504	325,950
2105	17,599	267,827
2106	15,110	217,378
2107	12,879	178,629
2108	10,699	148,195
2109	8,919	121,730
2110	7,309	88,395
2111	5,930	66,293
2112	4,701	50,173
2113	3,767	39,820
2114	2,875	30,391
2115	2,183	18,829
2116	1,623	17,485
2117	1,210	13,014
2118	2,987	2,987
Subtotals 2069 to 2118: 4,054,593		133,754,297
Totals 2019 to 2118: 19,997,038		1,179,627,877

Notes: (a) See Exhibit III, Column (5).

(b) Prospective period payments are based on the estimated outstanding loss & expense reserve shown above and the assumed loss payment patterns shown in Appendix A.

(c) Sum of columns (2) to (11) of Exhibit II Sheets 3a, 4a, 5a, and column (2) above.

Estimated Prospective Period Loss & ALAE Payments - By Birth Year  
Estimated 2019 Level Basis - Before Future Inflation & Anticipated Investment Income

Before Consideration of Reinsurance Recoveries  
Evaluated As of March 31, 2019

Calendar Year	BY 2009	BY 2010	BY 2011	BY 2012	BY 2013	BY 2014	BY 2015	BY 2016	BY 2017	BY 2018
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Reserve @ 3/31/19 (a)	65,097,784	33,400,504	58,099,507	42,136,824	38,065,682	56,943,092	66,356,926	36,816,998	72,472,647	78,480,317

**Estimated Prospective Period Loss & Expense Payments - 2019 Level Basis - (b)**

2019	1,303,785	762,794	597,171	427,398	426,349	836,255	810,457	519,476	1,085,251	887,316
2020	812,521	248,412	775,548	569,657	507,324	834,772	1,277,218	588,701	1,336,718	1,541,540
2021	1,591,734	577,136	853,731	554,862	507,140	744,988	956,215	695,811	1,136,136	1,424,052
2022	1,549,186	569,786	1,059,851	610,797	493,968	744,717	853,369	520,933	1,342,847	1,210,365
2023	1,697,551	636,206	928,861	758,265	543,765	725,376	853,059	464,904	1,005,350	1,430,582
2024	1,495,124	558,655	1,015,881	664,549	675,049	798,500	830,903	464,735	897,219	1,071,034
2025	1,823,045	659,604	1,017,213	726,807	591,618	991,286	914,666	452,665	896,893	955,838
2026	1,422,320	545,029	1,180,021	727,760	647,043	868,771	1,135,499	498,298	873,599	955,491
2027	1,399,978	539,872	1,055,103	844,240	647,892	950,161	995,159	618,604	961,666	930,675
2028	1,601,386	634,526	1,059,818	754,868	751,589	951,407	1,088,390	542,149	1,193,846	1,024,496
2029	1,329,319	526,115	1,084,758	758,241	672,025	1,103,682	1,089,817	592,940	1,046,295	1,271,845
2030	1,386,572	532,447	1,069,613	776,085	675,028	986,846	1,264,246	593,717	1,144,316	1,114,654
2031	1,658,391	524,918	1,068,887	765,250	690,913	991,255	1,130,412	688,744	1,145,817	1,219,080
2032	1,926,594	687,323	1,174,774	764,730	681,267	1,014,582	1,135,463	615,833	1,329,208	1,220,678
2033	1,725,716	646,835	1,271,992	840,486	680,805	1,000,417	1,162,183	618,585	1,188,497	1,416,051
2034	1,537,600	575,137	1,282,015	910,040	748,247	999,738	1,145,958	633,141	1,193,808	1,266,147
2035	1,505,558	567,426	1,292,078	917,212	810,168	1,098,775	1,145,180	624,302	1,221,901	1,271,805
2036	1,528,862	560,653	1,313,099	924,411	816,552	1,189,703	1,258,624	623,878	1,204,842	1,301,734
2037	1,481,998	564,811	1,313,259	939,451	822,961	1,199,078	1,362,781	685,681	1,204,024	1,283,560
2038	1,628,745	644,391	1,333,437	939,564	836,350	1,208,490	1,373,520	742,424	1,323,298	1,282,689
2039	1,663,093	635,312	1,320,154	954,001	836,452	1,228,152	1,384,301	748,275	1,432,807	1,409,755
2040	1,364,832	541,155	1,309,270	944,497	849,304	1,228,300	1,406,823	754,148	1,444,098	1,526,419
2041	1,326,688	533,215	1,319,935	936,711	840,843	1,247,173	1,406,993	766,418	1,455,433	1,538,447
2042	1,294,670	526,091	1,271,484	944,341	833,911	1,234,749	1,428,612	766,511	1,479,112	1,550,523
2043	1,357,549	570,566	1,242,353	909,677	840,704	1,224,570	1,414,381	778,288	1,479,291	1,575,749
2044	1,215,071	563,581	1,203,035	888,835	809,844	1,234,545	1,402,720	770,535	1,502,020	1,575,940
2045	1,183,909	555,627	1,180,869	860,706	791,290	1,189,229	1,414,146	764,183	1,487,058	1,600,154
2046	1,345,504	619,945	1,143,611	844,847	766,247	1,161,982	1,362,237	770,408	1,474,798	1,584,214
2047	1,107,722	537,230	1,121,000	818,191	752,129	1,125,208	1,331,027	742,128	1,486,811	1,571,153
2048	1,214,854	601,777	1,078,622	802,014	728,398	1,104,476	1,288,903	725,125	1,432,235	1,583,952
2049	1,038,543	519,458	1,048,255	771,695	713,997	1,069,627	1,265,155	702,177	1,399,421	1,525,810
2050	1,004,669	510,509	1,012,786	749,969	687,005	1,048,479	1,225,237	689,239	1,355,133	1,490,852
2051	975,295	502,195	980,948	724,593	667,663	1,008,843	1,201,012	667,492	1,330,164	1,443,670
2052	938,317	492,468	958,627	701,815	645,072	980,440	1,155,609	654,295	1,288,195	1,417,070
2053	1,137,222	589,305	935,206	685,845	624,794	947,266	1,123,075	629,560	1,262,725	1,372,359
2054	877,332	525,014	915,852	669,089	610,577	917,488	1,085,074	611,836	1,214,989	1,345,225
2055	842,199	514,554	884,586	655,242	595,659	896,611	1,050,964	591,133	1,180,783	1,294,370
2056	811,054	504,646	861,023	632,873	583,332	874,705	1,027,050	572,551	1,140,830	1,257,929
2057	783,428	495,233	834,202	616,015	563,418	856,603	1,001,957	559,523	1,104,968	1,215,366
2058	844,838	542,273	806,350	596,826	548,410	827,360	981,221	545,853	1,079,824	1,177,160
2059	720,241	474,433	796,616	576,899	531,327	805,321	947,724	534,556	1,053,442	1,150,374
2060	808,264	515,685	773,604	569,935	513,587	780,235	922,479	516,307	1,031,641	1,122,268
2061	661,897	453,831	749,204	553,471	507,387	754,185	893,744	502,554	996,422	1,099,043
2062	633,421	443,383	724,611	536,015	492,730	745,081	863,903	486,899	969,880	1,061,523
2063	656,467	466,685	698,016	518,420	477,190	723,558	853,475	470,643	939,668	1,033,247
2064	577,970	422,201	672,522	499,392	461,526	700,736	828,821	464,962	908,295	1,001,061
2065	551,022	411,473	648,291	481,152	444,586	677,734	802,679	451,530	897,331	967,638
2066	526,462	401,063	620,917	463,817	428,348	652,859	776,331	437,289	871,409	955,957
2067	577,007	429,272	602,970	444,232	412,915	629,014	747,837	422,935	843,925	928,343
2068	531,807	421,039	575,964	431,392	395,479	606,352	720,523	407,411	816,222	899,062
Subtotals 2019 to 2068:	58,977,330	26,881,294	50,037,988	35,957,179	32,180,176	47,719,681	55,097,131	30,290,284	59,090,461	63,354,262

Notes: (a) See Exhibit III, Column (5).

(b) Prospective period payments are based on the estimated outstanding loss & expense reserve shown above and the assumed loss payment patterns shown in Appendix A.

Estimated Prospective Period Loss & ALAE Payments - By Birth Year  
Estimated 2019 Level Basis - Before Future Inflation & Anticipated Investment Income

Before Consideration of Reinsurance Recoveries  
Evaluated As of March 31, 2019

Calendar Year	BY 2009	BY 2010	BY 2011	BY 2012	BY 2013	BY 2014	BY 2015	BY 2016	BY 2017	BY 2018
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Reserve @ 3/31/19 (a)	65,097,784	33,400,504	58,099,507	42,136,824	38,065,682	56,943,092	66,356,926	36,816,998	72,472,647	78,480,317

**Estimated Prospective Period Loss & Expense Payments - 2019 Level Basis - (b)**

2069	450,210	367,983	548,670	412,071	384,049	580,748	694,564	392,531	786,264	869,550
2070	424,571	356,431	524,144	392,543	366,848	563,962	665,235	378,389	757,547	837,635
2071	401,058	345,146	499,359	374,997	349,464	538,703	646,007	362,411	730,253	807,041
2072	379,376	334,080	477,755	357,264	333,842	513,175	617,074	351,936	699,418	777,964
2073	383,327	345,362	455,182	341,808	318,056	490,236	587,832	336,173	679,202	745,114
2074	382,398	339,178	432,836	325,658	304,296	467,054	561,556	320,243	648,782	723,577
2075	314,463	299,475	414,195	309,671	289,918	446,848	535,001	305,928	618,037	691,170
2076	293,388	287,579	386,938	296,334	275,686	425,735	511,856	291,461	590,411	658,416
2077	273,979	275,892	368,672	276,833	263,813	404,835	487,671	278,852	562,492	628,985
2078	286,063	291,422	344,700	263,765	246,452	387,400	463,730	265,677	538,157	599,242
2079	237,498	252,466	324,717	246,614	234,818	361,906	443,758	252,634	512,730	573,317
2080	220,433	240,770	307,452	232,317	219,549	344,822	414,556	241,754	487,559	546,229
2081	230,074	247,367	287,241	219,965	206,822	322,400	394,986	225,844	466,561	519,413
2082	188,606	217,461	270,357	205,505	195,825	303,711	369,303	215,183	435,857	497,043
2083	186,080	219,009	248,463	193,425	182,952	287,563	347,894	201,191	415,282	464,334
2084	160,148	194,481	232,068	177,762	172,198	268,659	329,397	189,528	388,279	442,415
2085	146,514	182,934	215,696	166,032	158,253	252,867	307,743	179,451	365,771	413,648
2086	133,932	171,612	196,072	154,318	147,810	232,390	289,654	167,654	346,323	389,668
2087	122,277	160,503	183,079	140,279	137,383	217,055	266,198	157,799	323,557	368,950
2088	133,885	172,570	165,716	130,983	124,884	201,742	248,632	145,021	304,537	344,696
2089	100,352	138,537	152,635	118,561	116,608	183,388	231,091	135,451	279,876	324,434
2090	90,614	127,973	137,149	109,202	105,549	171,235	210,067	125,895	261,407	298,162
2091	81,210	117,546	124,576	98,123	97,218	154,996	196,146	114,442	242,966	278,486
2092	72,532	107,450	111,625	89,128	87,354	142,761	177,544	106,858	220,861	258,840
2093	68,281	102,939	97,773	79,861	79,346	128,277	163,529	96,724	206,225	235,291
2094	56,857	88,215	87,507	69,951	71,097	116,517	146,939	89,089	186,667	219,699
2095	53,647	83,006	77,327	62,606	62,274	104,403	133,468	80,050	171,932	198,863
2096	43,365	70,501	67,531	55,323	55,735	91,448	119,592	72,712	154,489	183,165
2097	37,326	62,271	57,963	48,315	49,252	81,846	104,751	65,152	140,326	164,582
2098	34,510	58,838	49,764	41,469	43,012	72,324	93,752	57,067	125,737	149,494
2099	26,893	47,316	42,419	35,604	36,918	63,162	82,846	51,075	110,134	133,952
2100	22,400	40,614	35,237	30,348	31,696	54,213	72,351	45,133	98,570	117,330
2101	18,431	34,471	29,375	25,210	27,018	46,545	62,100	39,416	87,103	105,010
2102	15,693	29,975	24,074	21,016	22,443	39,675	53,316	33,831	76,069	92,794
2103	12,366	24,953	19,532	17,224	18,710	32,957	45,446	29,046	65,291	81,039
2104	9,406	19,457	15,484	13,974	15,334	27,475	37,752	24,759	56,056	69,557
2105	7,290	15,589	12,406	11,078	12,440	22,517	31,472	20,567	47,782	59,718
2106	5,557	12,273	9,470	8,876	9,862	18,268	25,793	17,146	39,692	50,903
2107	4,171	9,484	7,191	6,775	7,902	14,482	20,926	14,051	33,089	42,285
2108	11,275	7,736	5,347	5,145	6,032	11,603	16,589	11,400	27,118	35,251
2109	-	18,344	3,984	3,825	4,580	8,857	13,291	9,038	22,001	28,890
2110	-	-	9,837	2,850	3,406	6,726	10,146	7,241	17,442	23,439
2111	-	-	-	7,038	2,538	5,001	7,704	5,527	13,974	18,581
2112	-	-	-	-	6,265	3,726	5,728	4,197	10,667	14,887
2113	-	-	-	-	-	9,200	4,269	3,121	8,100	11,364
2114	-	-	-	-	-	-	10,539	2,325	6,023	8,629
2115	-	-	-	-	-	-	-	5,741	4,488	6,416
2116	-	-	-	-	-	-	-	-	11,080	4,781
2117	-	-	-	-	-	-	-	-	-	11,804
2118	-	-	-	-	-	-	-	-	-	-
Subtotals 2069 to 2118:	6,120,453	6,519,210	8,061,519	6,179,645	5,885,506	9,223,411	11,259,795	6,526,714	13,382,186	15,126,055
Totals 2019 to 2118:	65,097,784	33,400,504	58,099,507	42,136,824	38,065,682	56,943,092	66,356,926	36,816,998	72,472,647	78,480,317

Notes: (a) See Exhibit III, Column (5).

(b) Prospective period payments are based on the estimated outstanding loss & expense reserve shown above and the assumed loss payment patterns shown in Appendix A.

Estimated Prospective Period Loss & ALAE Payments - By Birth Year  
Estimated 2019 Level Basis - Before Future Inflation & Anticipated Investment Income

Before Consideration of Reinsurance Recoveries  
Evaluated As of March 31, 2019

Calendar Year	BY 1999	BY 2000	BY 2001	BY 2002	BY 2003	BY 2004	BY 2005	BY 2006	BY 2007	BY 2008
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Reserve @ 3/31/19 (a)	18,763,770	17,624,533	24,675,662	60,896,176	13,741,196	27,404,670	31,664,632	49,821,430	37,613,475	56,070,553

**Estimated Prospective Period Loss & Expense Payments - 2019 Level Basis - (b)**

2019	450,734	414,992	647,935	1,637,797	410,212	657,502	831,546	1,368,043	1,122,092	1,044,540
2020	535,887	421,241	562,887	1,244,124	355,393	427,275	777,859	840,194	1,015,228	631,723
2021	599,374	469,057	584,409	1,516,181	501,111	645,177	832,964	1,296,452	1,327,709	1,189,884
2022	638,582	701,952	704,000	1,482,059	480,202	626,151	761,304	1,258,068	1,257,817	1,166,096
2023	619,075	688,788	757,236	1,570,626	508,377	690,665	736,873	1,358,821	1,357,413	1,276,243
2024	602,795	634,272	676,249	1,863,671	450,615	602,380	611,365	1,261,805	1,142,802	1,129,379
2025	718,445	730,336	826,999	2,203,026	639,684	757,020	711,761	1,485,962	1,365,831	1,386,363
2026	682,441	567,181	640,990	1,766,523	514,058	733,964	529,011	1,195,641	1,029,525	1,085,428
2027	663,962	596,875	674,966	1,712,685	497,926	721,931	781,317	1,169,444	1,018,186	1,068,613
2028	667,621	594,411	792,597	1,877,219	535,001	809,664	826,017	1,496,270	1,150,309	1,218,822
2029	620,004	531,025	672,349	1,648,221	457,452	685,690	696,384	1,300,247	957,282	1,029,377
2030	602,067	502,740	658,403	1,621,259	446,324	673,895	692,380	1,269,254	915,904	1,163,137
2031	579,752	472,384	637,446	1,555,465	425,731	682,875	635,697	1,229,563	870,116	1,138,048
2032	630,155	528,022	724,374	1,797,266	489,571	813,295	807,863	1,377,048	1,037,506	1,272,760
2033	542,711	425,147	664,718	1,578,602	426,319	716,309	720,784	1,270,865	900,019	1,205,119
2034	521,552	393,706	586,620	1,433,040	375,007	634,889	664,504	1,133,299	865,112	1,072,980
2035	502,754	369,869	570,089	1,380,104	358,890	619,137	623,767	1,100,780	827,830	1,235,748
2036	486,064	348,270	589,372	1,345,051	345,476	606,955	610,132	1,072,543	794,943	1,212,391
2037	466,063	325,597	569,557	1,297,157	327,873	588,019	640,783	1,037,374	758,787	1,183,625
2038	467,216	325,180	627,158	1,413,009	353,657	657,116	707,684	1,219,740	849,681	1,300,410
2039	484,974	334,992	587,862	1,450,142	360,657	682,205	702,923	1,214,072	853,162	1,265,438
2040	413,371	267,268	520,703	1,224,526	284,407	542,391	589,869	1,033,552	667,519	1,106,358
2041	396,425	249,861	504,814	1,185,367	270,726	527,464	574,333	1,001,400	640,048	1,080,863
2042	381,135	234,080	491,796	1,160,031	259,239	515,627	581,436	972,721	615,799	1,057,920
2043	363,427	335,441	520,240	1,184,893	266,344	544,601	579,868	1,011,776	660,029	1,116,463
2044	347,367	314,868	458,291	1,114,783	232,109	483,579	530,789	908,323	611,887	1,005,286
2045	332,753	300,188	445,608	1,082,382	221,582	471,953	521,733	880,955	589,950	982,623
2046	353,902	310,588	463,351	1,159,257	251,003	553,173	592,966	960,019	683,119	1,062,476
2047	300,912	271,661	413,411	1,003,668	196,976	441,015	490,714	820,281	544,239	931,111
2048	299,190	271,729	456,967	1,074,554	213,267	492,352	529,872	880,794	610,040	1,017,235
2049	271,359	246,557	384,362	932,207	175,379	413,288	465,366	764,240	503,819	882,507
2050	257,011	235,017	370,087	902,211	165,108	399,602	467,258	736,965	484,820	858,445
2051	243,760	224,380	357,994	866,882	156,331	388,253	444,780	712,043	467,825	836,409
2052	229,211	213,818	342,027	828,590	145,589	372,558	428,813	683,831	448,971	810,762
2053	240,768	219,151	387,347	924,032	178,275	468,157	550,662	795,517	571,816	937,550
2054	203,338	195,131	316,441	769,474	128,375	391,516	470,209	667,551	416,788	765,321
2055	189,932	186,321	301,207	763,443	118,811	375,561	441,428	640,343	399,850	756,443
2056	177,524	178,187	287,967	730,652	110,551	361,680	429,128	615,127	384,544	845,830
2057	165,989	170,634	276,515	701,673	103,431	349,648	420,189	591,633	370,710	822,053
2058	160,472	171,477	300,537	735,013	109,550	377,113	450,910	624,118	415,228	876,228
2059	142,524	156,438	249,397	635,351	87,790	320,595	392,530	541,895	341,332	770,045
2060	146,610	153,727	253,273	655,282	98,914	364,134	428,084	569,450	397,610	810,320
2061	121,164	143,834	224,678	574,531	74,292	293,730	368,305	495,167	314,525	719,824
2062	111,102	137,999	212,634	547,149	68,048	280,478	366,007	472,451	301,662	694,834
2063	101,756	135,631	225,232	549,858	69,585	289,161	365,100	481,717	324,303	717,799
2064	92,257	127,088	189,218	487,839	56,563	254,409	332,057	428,342	276,907	645,156
2065	83,492	121,945	177,865	460,242	51,312	241,614	319,983	406,977	264,974	620,479
2066	75,393	116,986	167,767	436,885	46,778	230,086	318,549	386,766	254,004	596,996
2067	74,330	112,900	163,936	432,203	51,015	253,169	327,803	395,027	293,412	616,995
2068	62,687	112,893	167,565	416,785	43,809	229,307	307,046	380,311	271,358	601,965

Subtotals 2019 to 2068:	18,421,389	16,291,836	23,387,447	56,932,987	13,494,697	25,258,330	27,988,705	45,814,777	34,544,339	48,822,421
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Notes: (a) See Exhibit III, Column (5).  
(b) Prospective period payments are based on the estimated outstanding loss & expense reserve shown above and the assumed loss payment patterns shown in Appendix A.

Estimated Prospective Period Loss & ALAE Payments - By Birth Year  
Estimated 2019 Level Basis - Before Future Inflation & Anticipated Investment Income

Before Consideration of Reinsurance Recoveries  
Evaluated As of March 31, 2019

Calendar Year	BY 1999	BY 2000	BY 2001	BY 2002	BY 2003	BY 2004	BY 2005	BY 2006	BY 2007	BY 2008
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Reserve @ 3/31/19 (a)	18,763,770	17,624,533	24,675,662	60,896,176	13,741,196	27,404,670	31,664,632	49,821,430	37,613,475	56,070,553

**Estimated Prospective Period Loss & Expense Payments - 2019 Level Basis - (b)**

2069	53,283	102,783	135,884	358,808	33,706	193,084	273,690	326,872	220,410	524,213
2070	46,767	98,224	125,091	334,132	29,678	180,322	266,272	307,442	209,095	499,480
2071	40,870	93,731	115,451	310,305	26,235	168,688	247,394	289,032	198,612	475,869
2072	35,537	89,275	106,800	289,727	23,287	158,030	237,039	271,512	188,873	453,247
2073	30,479	86,995	109,207	282,240	22,745	156,532	234,295	269,310	200,257	458,067
2074	28,401	80,472	91,977	257,537	21,573	156,168	236,788	251,016	204,839	435,954
2075	21,957	75,960	80,806	228,871	15,321	125,691	200,772	221,107	159,277	384,519
2076	18,263	71,519	72,419	209,343	13,024	115,122	187,527	205,307	149,426	361,682
2077	15,045	67,080	64,917	191,889	11,085	105,445	175,861	190,384	140,247	339,899
2078	12,851	65,868	67,236	190,484	11,175	107,461	181,990	192,900	155,791	349,834
2079	9,793	58,246	51,110	159,682	7,807	87,217	152,981	162,364	122,553	297,737
2080	7,714	53,878	44,837	144,918	6,447	78,701	141,815	149,253	114,042	277,384
2081	6,453	49,565	40,222	134,295	6,531	79,837	142,213	141,596	129,286	274,881
2082	4,519	45,319	33,604	118,111	4,231	62,974	122,838	124,816	97,728	238,201
2083	3,345	42,223	32,352	110,899	3,807	59,264	114,727	119,310	101,395	233,183
2084	2,418	37,128	24,310	95,008	2,640	49,277	100,450	102,824	82,627	201,495
2085	1,689	33,225	20,098	83,876	2,000	42,918	90,149	92,648	75,100	183,614
2086	1,144	29,482	16,490	74,047	1,498	37,214	82,519	83,125	68,093	166,687
2087	748	25,922	13,408	65,287	1,107	32,093	72,616	74,219	61,557	150,674
2088	520	23,723	12,350	60,351	1,112	32,507	71,993	72,496	77,668	155,466
2089	277	19,431	8,235	48,739	541	23,045	56,110	58,054	48,849	120,325
2090	157	16,537	6,320	41,931	367	19,320	49,953	50,843	43,196	106,595
2091	82	13,897	4,674	35,246	235	15,956	42,199	44,166	37,625	93,447
2092	40	11,518	3,390	29,465	146	13,065	36,091	38,045	32,540	81,315
2093	18	9,646	2,717	25,436	99	11,138	31,949	33,880	31,568	74,151
2094	7	7,557	1,628	19,761	49	8,452	25,889	27,407	23,510	59,802
2095	3	5,968	1,071	15,808	32	6,951	21,792	22,912	24,036	53,305
2096	1	4,627	680	12,502	13	5,194	17,427	18,840	16,130	42,100
2097	0	3,519	407	9,559	6	3,976	14,012	15,299	12,983	34,599
2098	0	2,756	271	7,603	3	3,258	11,996	13,267	12,279	30,399
2099	-	6,620	128	5,352	1	2,222	8,805	9,611	8,022	22,434
2100	-	-	124	3,822	0	1,614	6,782	7,412	6,079	17,608
2101	-	-	-	8,158	0	1,150	5,160	5,601	4,511	13,588
2102	-	-	-	-	0	808	3,898	4,142	4,021	10,815
2103	-	-	-	-	-	1,646	2,949	3,120	2,598	8,000
2104	-	-	-	-	-	-	6,987	2,112	1,562	5,533
2105	-	-	-	-	-	-	-	4,410	1,034	3,924
2106	-	-	-	-	-	-	-	-	1,717	2,712
2107	-	-	-	-	-	-	-	-	-	5,393
2108	-	-	-	-	-	-	-	-	-	-
2109	-	-	-	-	-	-	-	-	-	-
2110	-	-	-	-	-	-	-	-	-	-
2111	-	-	-	-	-	-	-	-	-	-
2112	-	-	-	-	-	-	-	-	-	-
2113	-	-	-	-	-	-	-	-	-	-
2114	-	-	-	-	-	-	-	-	-	-
2115	-	-	-	-	-	-	-	-	-	-
2116	-	-	-	-	-	-	-	-	-	-
2117	-	-	-	-	-	-	-	-	-	-
2118	-	-	-	-	-	-	-	-	-	-
Subtotals 2069 to 2118:	342,381	1,332,696	1,288,215	3,963,189	246,499	2,146,340	3,675,928	4,006,653	3,069,136	7,248,132
Totals 2019 to 2118:	18,763,770	17,624,533	24,675,662	60,896,176	13,741,196	27,404,670	31,664,632	49,821,430	37,613,475	56,070,553

Notes: (a) See Exhibit III, Column (5).

(b) Prospective period payments are based on the estimated outstanding loss & expense reserve shown above and the assumed loss payment patterns shown in Appendix A.

Estimated Prospective Period Loss & ALAE Payments - By Birth Year  
Estimated 2019 Level Basis - Before Future Inflation & Anticipated Investment Income

Before Consideration of Reinsurance Recoveries  
Evaluated As of March 31, 2019

Calendar Year	BY 1989	BY 1990	BY 1991	BY 1992	BY 1993	BY 1994	BY 1995	BY 1996	BY 1997	BY 1998
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Reserve @ 3/31/19 (a)	15,429,413	7,826,014	20,997,835	41,420,070	32,150,383	15,972,823	25,925,913	23,854,109	32,833,176	57,074,726

**Estimated Prospective Period Loss & Expense Payments - 2019 Level Basis - (b)**

2019	607,955	235,809	585,263	1,087,562	1,450,872	490,082	679,899	598,820	812,534	1,601,351
2020	548,990	303,685	612,257	1,035,690	1,188,001	359,644	710,941	548,971	717,685	1,462,678
2021	553,427	388,860	625,770	1,259,213	1,222,390	362,175	761,441	757,747	981,502	1,537,507
2022	521,747	371,915	608,878	1,256,683	1,203,368	358,583	811,844	721,652	947,298	1,502,038
2023	569,221	389,183	677,231	1,402,300	1,179,533	391,496	836,987	789,755	999,305	1,503,369
2024	510,705	347,614	591,084	1,231,993	997,191	353,905	779,254	884,047	936,667	1,360,778
2025	661,505	381,071	743,793	1,504,876	1,059,665	446,978	978,827	1,000,501	1,117,175	1,852,382
2026	467,376	318,588	559,696	1,198,559	846,889	343,573	755,412	792,473	877,594	1,478,525
2027	449,765	308,257	546,656	1,180,040	795,032	342,367	741,341	756,746	853,907	1,405,529
2028	477,785	332,090	611,555	1,331,822	849,725	383,645	793,330	791,909	934,748	1,508,971
2029	433,953	280,825	523,131	1,192,082	706,702	331,881	703,092	686,601	800,853	1,327,079
2030	419,800	270,865	535,186	1,215,586	706,004	330,445	689,357	712,307	779,540	1,330,436
2031	405,024	256,761	518,762	1,153,694	693,397	323,867	669,379	680,984	759,472	1,290,713
2032	473,937	282,391	581,052	1,268,987	770,155	411,108	741,855	733,394	908,608	1,525,151
2033	410,334	256,250	543,618	1,214,728	713,483	350,244	675,150	652,624	789,033	1,300,826
2034	367,052	222,334	474,661	1,100,013	628,811	311,490	620,468	604,278	694,430	1,221,506
2035	355,417	211,303	460,241	1,043,860	612,028	307,265	604,603	581,539	674,060	1,207,363
2036	344,863	202,139	516,540	1,016,513	599,294	305,321	591,520	561,604	656,352	1,182,221
2037	333,238	189,912	500,430	983,385	582,732	298,646	573,473	539,389	635,072	1,146,270
2038	360,429	203,895	543,359	1,116,094	651,527	335,585	614,585	569,211	705,670	1,266,234
2039	375,299	197,346	497,237	1,041,629	642,079	374,351	615,009	558,032	738,460	1,360,206
2040	301,969	159,528	456,320	893,555	545,016	285,250	528,071	482,738	580,405	1,162,602
2041	291,946	149,866	441,855	863,811	533,294	280,647	513,230	465,248	563,053	1,133,554
2042	282,718	141,614	428,410	858,380	523,951	278,077	500,527	449,536	547,750	1,139,608
2043	298,028	143,487	448,723	889,647	560,776	298,300	511,561	447,667	589,523	1,132,917
2044	262,828	122,387	399,201	775,138	498,978	266,365	469,405	416,056	557,336	1,049,012
2045	253,988	114,718	386,035	747,834	529,311	311,336	456,744	401,591	620,542	1,026,302
2046	292,216	122,615	389,542	822,839	583,979	340,707	493,601	425,558	678,194	1,185,538
2047	234,889	97,378	357,833	687,584	503,034	297,034	426,377	370,775	582,674	967,160
2048	256,445	102,999	382,122	754,874	557,044	326,410	454,600	390,682	635,710	1,035,381
2049	216,795	82,185	331,037	630,087	478,313	284,265	398,053	342,313	547,012	913,459
2050	207,891	75,059	317,881	619,221	465,733	277,704	383,996	328,537	529,411	912,646
2051	199,580	68,841	305,437	574,986	454,710	272,742	371,302	315,747	513,118	864,232
2052	190,351	61,786	292,079	545,675	440,092	264,218	356,065	301,808	494,624	833,640
2053	237,580	70,925	311,286	630,130	519,759	310,662	399,729	327,370	582,616	982,850
2054	173,608	50,295	267,451	507,387	415,348	251,812	329,488	276,644	461,331	808,290
2055	164,679	44,420	254,784	464,236	400,398	243,058	314,662	263,532	443,311	754,392
2056	156,287	39,330	242,774	437,871	386,841	235,755	301,008	251,218	426,406	728,039
2057	148,392	34,902	231,328	412,915	374,517	229,749	288,337	239,586	410,474	705,015
2058	160,671	34,789	239,381	452,748	405,042	245,676	299,968	247,843	443,658	761,714
2059	131,713	26,211	208,120	361,641	345,269	213,093	260,466	215,474	376,253	649,085
2060	149,818	27,062	203,602	372,867	372,855	232,924	273,449	223,793	401,427	730,213
2061	115,886	19,249	186,294	313,854	316,921	197,387	233,800	192,552	343,286	596,553
2062	108,149	16,276	175,786	301,189	302,636	189,381	220,612	181,351	326,958	589,475
2063	113,179	15,339	174,399	295,224	313,898	196,474	219,017	175,790	344,339	573,718
2064	93,071	11,282	155,585	247,955	273,964	173,148	194,694	159,510	294,656	518,129
2065	85,752	9,233	145,906	227,640	259,606	164,941	182,030	148,912	278,732	492,158
2066	78,841	7,528	136,634	216,157	246,142	157,616	170,037	138,785	263,514	484,947
2067	87,683	7,219	129,942	205,829	257,343	168,201	172,379	140,407	274,216	514,633
2068	75,729	5,443	126,481	193,994	243,311	154,847	158,249	128,589	263,383	454,564

Subtotals 2019 to 2068:	15,018,507	7,813,062	19,982,627	40,140,582	30,206,963	14,660,427	24,829,223	22,972,194	30,693,878	53,070,959
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Notes: (a) See Exh bit III, Column (5).

(b) Prospective period payments are based on the estimated outstanding loss & expense reserve shown above and the assumed loss payment patterns shown in Appendix A.

Estimated Prospective Period Loss & ALAE Payments - By Birth Year  
Estimated 2019 Level Basis - Before Future Inflation & Anticipated Investment Income

Before Consideration of Reinsurance Recoveries  
Evaluated As of March 31, 2019

Calendar Year	BY 1989	BY 1990	BY 1991	BY 1992	BY 1993	BY 1994	BY 1995	BY 1996	BY 1997	BY 1998
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Reserve @ 3/31/19 (a)	15,429,413	7,826,014	20,997,835	41,420,070	32,150,383	15,972,823	25,925,913	23,854,109	32,833,176	57,074,726

**Estimated Prospective Period Loss & Expense Payments - 2019 Level Basis - (b)**

2069	58,578	3,620	110,108	155,605	203,298	132,505	134,083	109,119	217,589	392,013
2070	52,151	2,710	101,792	144,902	188,585	123,422	122,380	99,600	202,407	379,005
2071	46,200	2,005	93,848	125,049	174,773	115,137	111,345	90,549	187,916	340,896
2072	40,701	1,462	86,241	111,598	161,757	107,517	100,920	81,941	174,050	318,193
2073	40,346	1,159	80,890	106,560	159,772	105,578	94,595	75,110	177,782	306,845
2074	38,019	861	72,380	95,558	148,789	103,630	87,697	71,340	161,737	325,247
2075	25,893	459	65,060	76,851	122,839	83,394	71,613	57,910	133,583	248,179
2076	21,666	287	58,594	67,193	110,319	75,286	62,760	50,676	120,745	224,967
2077	17,952	172	52,458	58,560	98,700	67,847	54,626	43,996	108,636	203,535
2078	17,649	117	48,489	57,799	98,089	66,512	50,910	40,646	110,500	208,211
2079	11,793	52	41,155	43,931	77,163	53,776	40,163	32,126	86,052	163,044
2080	9,332	26	36,005	37,826	67,348	47,219	33,867	26,970	75,649	144,130
2081	9,530	15	31,239	33,262	63,084	47,427	30,467	24,273	72,915	147,292
2082	5,547	5	26,751	28,384	49,839	35,250	23,171	18,250	56,811	114,452
2083	4,956	2	22,758	24,753	45,181	31,488	19,485	14,844	54,055	97,750
2084	3,075	0	18,951	19,976	35,420	25,135	14,964	11,619	40,867	79,551
2085	2,207	0	15,612	16,824	29,230	20,622	11,691	9,012	33,925	66,087
2086	1,560	0	12,654	14,277	23,877	16,717	8,974	6,863	27,800	57,160
2087	1,085	0	10,076	11,706	19,282	13,363	6,755	5,121	22,457	43,989
2088	2,665	0	8,083	10,508	17,606	12,709	5,680	4,206	22,150	43,490
2089	-	-	6,028	7,874	11,988	7,937	3,547	2,649	13,851	26,997
2090	-	-	16,038	6,394	9,270	5,950	2,474	1,834	10,586	21,929
2091	-	-	-	24,098	7,043	4,324	1,671	1,231	7,903	15,238
2092	-	-	-	-	20,168	3,075	1,094	802	5,776	11,032
2093	-	-	-	-	-	6,577	719	506	4,620	8,090
2094	-	-	-	-	-	-	1,039	307	2,876	5,804
2095	-	-	-	-	-	-	-	417	2,227	4,211
2096	-	-	-	-	-	-	-	-	3,833	2,313
2097	-	-	-	-	-	-	-	-	-	4,117
2098	-	-	-	-	-	-	-	-	-	-
2099	-	-	-	-	-	-	-	-	-	-
2100	-	-	-	-	-	-	-	-	-	-
2101	-	-	-	-	-	-	-	-	-	-
2102	-	-	-	-	-	-	-	-	-	-
2103	-	-	-	-	-	-	-	-	-	-
2104	-	-	-	-	-	-	-	-	-	-
2105	-	-	-	-	-	-	-	-	-	-
2106	-	-	-	-	-	-	-	-	-	-
2107	-	-	-	-	-	-	-	-	-	-
2108	-	-	-	-	-	-	-	-	-	-
2109	-	-	-	-	-	-	-	-	-	-
2110	-	-	-	-	-	-	-	-	-	-
2111	-	-	-	-	-	-	-	-	-	-
2112	-	-	-	-	-	-	-	-	-	-
2113	-	-	-	-	-	-	-	-	-	-
2114	-	-	-	-	-	-	-	-	-	-
2115	-	-	-	-	-	-	-	-	-	-
2116	-	-	-	-	-	-	-	-	-	-
2117	-	-	-	-	-	-	-	-	-	-
2118	-	-	-	-	-	-	-	-	-	-
Subtotals 2069 to 2118:	410,906	12,952	1,015,208	1,279,488	1,943,420	1,312,396	1,096,690	881,915	2,139,299	4,003,767
Totals 2019 to 2118:	15,429,413	7,826,014	20,997,835	41,420,070	32,150,383	15,972,823	25,925,913	23,854,109	32,833,176	57,074,726

Notes: (a) See Exhibit III, Column (5).

(b) Prospective period payments are based on the estimated outstanding loss & expense reserve shown above and the assumed loss payment patterns shown in Appendix A.

Estimated 2019 Level Loss & ALAE Reserve - Before Inflation and Anticipated Investment Income  
Adjustment of Birth Year Level Estimated Outstanding to 2019 Level Outstanding Loss & Expense

Evaluated As of March 31, 2019

Year of Birth	Birth Year Level (a) Outstanding Loss & ALAE	Outstanding Basis (b) Inflation - Cal. Year	2019 Level Adjustment Factor (c)	2019 Level Outstanding Loss & ALAE (2) x (4)	Actual Paid (d) Loss & ALAE @ 3/31/19	Indicated 2019 Level Ultimate Loss & ALAE (5) + (6)	2019 Level Case O/S (e) Loss & ALAE @ 3/31/19	2019 Level IBNR / Bulk Outstanding (5) - (8)
1989	10,828,759	0.81%	1.425	15,429,413	14,447,869	29,877,282	11,781,000	3,648,414
1990	5,536,898	0.74%	1.413	7,826,014	5,571,210	13,397,224	5,795,674	2,030,340
1991	14,965,768	0.52%	1.403	20,997,835	8,658,088	29,655,923	18,381,938	2,615,897
1992	29,673,871	0.46%	1.396	41,420,070	13,742,000	55,162,070	35,356,238	6,063,832
1993	23,138,457	0.41%	1.389	32,150,383	19,674,063	51,824,447	26,486,186	5,664,197
1994	11,542,638	0.38%	1.384	15,972,823	6,898,885	22,871,708	13,142,668	2,830,154
1995	18,806,471	0.35%	1.379	25,925,913	9,798,498	35,724,410	22,324,521	3,601,392
1996	17,364,322	0.34%	1.374	23,854,109	8,947,780	32,801,889	20,119,506	3,734,604
1997	23,980,772	0.25%	1.369	32,833,176	11,056,873	43,890,050	27,776,293	5,056,883
1998	41,788,759	0.28%	1.366	57,074,726	19,397,510	76,472,235	48,748,586	8,326,140
1999	13,776,824	0.36%	1.362	18,763,770	11,478,445	30,242,215	14,702,052	4,061,718
2000	12,987,327	0.39%	1.357	17,624,533	5,692,824	23,317,356	14,822,843	2,801,690
2001	18,253,610	0.32%	1.352	24,675,662	7,821,359	32,497,021	21,726,435	2,949,227
2002	45,192,100	0.35%	1.347	60,896,176	15,630,282	76,526,458	51,926,993	8,969,182
2003	10,233,653	0.29%	1.343	13,741,196	4,744,326	18,485,522	11,622,530	2,118,666
2004	20,468,309	4.94%	1.339	27,404,670	5,245,136	32,649,807	23,536,852	3,867,818
2005	24,818,716	0.87%	1.276	31,664,632	7,738,709	39,403,341	25,247,722	6,416,910
2006	39,388,118	4.86%	1.265	49,821,430	9,156,506	58,977,936	40,093,025	9,728,405
2007	31,181,045	0.50%	1.206	37,613,475	9,871,440	47,484,915	29,115,877	8,497,598
2008	46,715,212	4.55%	1.200	56,070,553	5,806,667	61,877,220	45,236,415	10,834,138
2009	56,704,959	0.33%	1.148	65,097,784	7,247,798	72,345,582	51,786,856	13,310,928
2010	29,191,644	0.32%	1.144	33,400,504	2,903,629	36,304,133	25,984,123	7,416,380
2011	50,941,603	0.42%	1.141	58,099,507	4,530,039	62,629,546	43,235,265	14,864,242
2012	37,101,818	9.83%	1.136	42,136,824	2,854,410	44,991,234	30,622,123	11,514,701
2013	36,811,843	0.59%	1.034	38,065,682	3,937,024	42,002,707	25,493,593	12,572,090
2014	55,392,067	0.19%	1.028	56,943,092	4,440,983	61,384,075	34,968,648	21,974,444
2015	64,669,190	0.17%	1.026	66,356,926	2,880,464	69,237,390	39,148,303	27,208,623
2016	35,942,117	2.01%	1.024	36,816,998	587,034	37,404,032	6,518,866	30,298,132
2017	72,170,124	0.22%	1.004	72,472,647	637,742	73,110,389	18,167,891	54,304,756
2018	78,326,820	0.20%	1.002	78,480,317	154,648	78,634,965	13,683,018	64,797,299
2019 (3 Mo)	19,997,038		1.000	19,997,038	-	19,997,038	30,000	19,967,038
Totals:								
All Years	997,890,852			1,179,627,877	231,552,241	1,411,180,118	797,582,040	382,045,837
1989 to 1998	197,626,716			273,484,463	118,192,775	391,677,238	229,912,610	43,571,853
1999 to 2019	800,264,136			906,143,414	113,359,466	1,019,502,879	567,669,429	338,473,985

Notes: (a) See Exhibit IV, Sheet 1, Column (7).

(b) Estimated NICA inflation rate by calendar year. Based on review of historical inflation in paid and outstanding loss & expense weighted by the estimated percentage of overall cost by component - see Appendix B.

(c) Factor to adjust the birth year level outstanding loss & expense to 2019 level - based on factors shown in column (3).

(d) The actual paid loss & ALAE excluded retroactive payments as provided by NICA as of March 31, 2019.

See Exhibit IX, Sheets 6a - 1, 2, and 3.

(e) The 2019 level case outstanding as provided by NICA as of March 31, 2019. See Exhibit IX, Sheets 4a, 4b and 4c.



Birth Year Level Loss & ALAE

Evaluated As of March 31, 2019

Year of Birth	Birth Year Level						Open (d) Accepted Reported Claim Counts @ 3/31/19
	Ultimate (a) Loss & ALAE	Paid (b) Loss & ALAE @ 3/31/19	Incurred (c) Loss & ALAE @ 3/31/19	Case O/S Loss & ALAE @ 3/31/19 (4) - (3)	IBNR / Bulk Loss & ALAE @ 3/31/19 (2) - (4)	Case+IBNR Loss & ALAE @ 3/31/19 (2) - (3)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1989	22,620,233	11,791,474	20,059,682	8,268,208	2,560,551	10,828,759	4
1990	10,078,098	4,541,200	8,641,634	4,100,434	1,436,464	5,536,898	3
1991	21,504,193	6,538,425	19,639,767	13,101,342	1,864,426	14,965,768	4
1992	40,514,823	10,840,952	36,170,616	25,329,664	4,344,207	29,673,871	9
1993	39,223,501	16,085,044	35,147,009	19,061,965	4,076,492	23,138,457	8
1994	17,521,518	5,978,880	15,476,328	9,497,449	2,045,189	11,542,638	4
1995	26,662,851	7,856,380	24,050,427	16,194,047	2,612,424	18,806,471	5
1996	24,880,846	7,516,524	22,162,284	14,645,761	2,718,562	17,364,322	6
1997	33,088,541	9,107,769	29,395,083	20,287,314	3,693,458	23,980,772	8
1998	57,692,902	15,904,143	51,596,700	35,692,557	6,096,202	41,788,759	11
1999	23,486,969	9,710,146	20,504,755	10,794,610	2,982,214	13,776,824	3
2000	17,885,188	4,897,862	15,820,653	10,922,792	2,064,535	12,987,327	5
2001	24,924,856	6,671,246	22,743,190	16,071,944	2,181,665	18,253,610	4
2002	58,178,002	12,985,902	51,521,817	38,535,915	6,656,185	45,192,100	13
2003	14,210,230	3,976,577	12,632,370	8,655,793	1,577,860	10,233,653	3
2004	24,944,720	4,476,411	22,055,880	17,579,469	2,888,839	20,468,309	5
2005	31,326,160	6,507,444	26,296,590	19,789,147	5,029,570	24,818,716	7
2006	47,049,460	7,661,341	39,358,320	31,696,979	7,691,140	39,388,118	9
2007	39,483,137	8,302,092	32,438,747	24,136,655	7,044,390	31,181,045	7
2008	51,614,740	4,899,528	42,588,272	37,688,744	9,026,468	46,715,212	9
2009	63,424,714	6,719,754	51,829,916	45,110,162	11,594,797	56,704,959	10
2010	32,008,123	2,816,478	25,526,294	22,709,816	6,481,829	29,191,644	5
2011	55,321,974	4,380,372	42,289,019	37,908,647	13,032,956	50,941,603	10
2012	39,885,520	2,783,702	29,746,732	26,963,030	10,138,788	37,101,818	7
2013	40,671,058	3,859,215	28,513,078	24,653,863	12,157,980	36,811,843	7
2014	59,749,323	4,357,256	38,373,422	34,016,166	21,375,901	55,392,067	12
2015	67,498,285	2,829,095	40,981,693	38,152,597	26,516,593	64,669,190	12
2016	36,523,405	581,288	6,945,247	6,363,958	29,578,159	35,942,117	3
2017	72,802,486	632,362	18,724,415	18,092,053	54,078,071	72,170,124	7
2018	78,480,797	153,976	13,810,232	13,656,256	64,670,565	78,326,820	5
2019 (3 Mo)	19,997,038	-	30,000	30,000	19,967,038	19,997,038	-
Totals:	1,193,253,689	195,362,837	845,070,174	649,707,336	348,183,516	997,890,852	205

Notes: (a) See Exhibit IV, Sheet 2, Column (8).  
 (b) See Exhibit VIII, Sheet 1, Column (2).  
 (c) See Exhibit VII, Sheet 1, Column (2).  
 (d) See Exhibit X, Sheet 1d, Column (5).

Development of Birth Year Level Ultimate Loss & ALAE

Evaluated As of March 31, 2019

Ultimate Loss & ALAE - Birth Year Level								Prior	Increase or
Year of Birth	Paid Projection (a)	Incurred Projection (b)	Frequency/Severity (c)	Bornhuetter-Ferguson (d)	Cape Cod Method (e)	Incremental Payment Method (f)	Selected (g)	Selected Ultimate BY Level @ 12/31/18	(Decrease) From 12/31/18 to 3/31/19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	31,247,407	22,045,591	23,627,056	22,188,052	22,050,249	22,982,185	22,620,233	22,258,805	361,428
1990	12,515,546	9,535,144	11,024,447	9,674,702	10,804,302	9,189,987	10,078,098	10,174,453	(96,355)
1991	18,740,694	21,757,122	21,065,629	21,689,828	22,146,318	25,610,105	21,504,193	21,641,402	(137,209)
1992	32,626,408	40,230,435	41,005,394	40,308,639	39,022,022	42,266,962	40,514,823	41,582,298	(1,067,475)
1993	50,829,215	38,896,478	39,791,289	38,982,735	37,959,158	43,768,294	39,223,501	38,090,051	1,133,449
1994	19,838,108	17,195,846	18,084,044	17,284,663	18,119,915	19,725,169	17,521,518	17,795,413	(273,896)
1995	27,371,097	26,829,472	26,376,525	26,782,555	26,897,556	32,609,293	26,662,851	26,989,640	(326,790)
1996	27,496,415	24,822,046	24,981,374	24,839,118	25,232,649	24,300,683	24,880,846	24,861,140	19,706
1997	35,149,854	32,758,260	33,656,849	32,850,515	32,469,837	39,558,374	33,088,541	33,194,637	(106,095)
1998	64,755,140	57,730,028	57,629,346	57,719,332	54,623,890	63,123,045	57,692,902	58,204,362	(511,460)
1999	41,710,190	23,033,936	24,258,569	23,168,403	23,491,498	22,562,588	23,486,969	23,696,374	(209,405)
2000	22,196,034	17,683,208	18,231,408	17,740,949	18,503,151	15,528,213	17,885,188	18,418,564	(533,375)
2001	32,046,581	25,293,627	24,288,649	25,192,291	25,555,674	27,437,892	24,924,856	25,087,505	(162,650)
2002	66,123,027	57,872,503	58,698,372	57,963,130	54,840,272	59,753,423	58,178,002	60,392,984	(2,214,983)
2003	21,463,270	14,331,356	14,006,490	14,292,843	16,504,227	13,536,249	14,210,230	15,811,498	(1,601,268)
2004	25,731,556	25,022,279	24,814,262	24,997,618	26,219,250	26,405,745	24,944,720	26,056,758	(1,112,039)
2005	40,211,934	30,579,175	32,544,839	30,854,465	31,746,500	30,027,337	31,326,160	31,565,838	(239,678)
2006	50,892,975	46,912,303	47,266,707	46,969,370	45,724,004	48,150,970	47,049,460	50,311,984	(3,262,524)
2007	59,561,322	39,244,637	39,854,392	39,350,382	40,128,656	36,787,183	39,483,137	39,852,634	(369,497)
2008	38,665,509	52,296,461	50,571,513	51,976,246	51,073,086	52,066,059	51,614,740	54,195,381	(2,580,641)
2009	58,333,166	64,599,452	61,656,900	64,017,790	61,873,160	59,429,774	63,424,714	64,077,529	(652,816)
2010	27,138,854	32,451,611	31,355,138	32,217,619	36,730,126	37,296,500	32,008,123	32,238,079	(229,957)
2011	47,062,062	55,374,947	55,246,405	55,344,571	54,974,497	48,157,139	55,321,974	56,226,768	(904,793)
2012	35,440,598	40,899,149	38,509,793	40,247,617	44,831,333	39,432,263	39,885,520	42,641,332	(2,755,812)
2013	58,223,145	40,771,103	40,540,345	40,701,725	47,017,229	29,620,064	40,671,058	41,771,976	(1,100,918)
2014	78,884,383	58,711,431	61,024,014	59,512,524	61,038,075	48,499,778	59,749,323	63,582,211	(3,832,888)
2015	65,303,386	67,718,259	66,854,311	67,377,154	68,263,390	61,151,917	67,498,285	65,942,190	1,556,096
2016	21,468,405	16,870,226	33,688,173	26,764,449	49,117,594	35,308,118	36,523,405	40,327,403	(3,803,997)
2017	49,044,860	61,400,974	75,948,129	71,511,929	70,947,400	61,688,287	72,802,486	72,052,065	750,421
2018	53,739,583	70,193,947	80,110,528	78,159,501	77,172,362	68,421,475	78,480,797	83,644,236	(5,163,439)
2019 (3 Mo)	N/A	N/A	20,680,251	20,059,256	19,251,607	16,583,457	19,997,038		N/A
Totals:									
All Years	N/A	N/A	1,197,391,141	1,180,739,973	1,214,328,988	1,160,978,526	1,193,253,689	N/A	N/A
1989 - 2018	1,213,810,723	1,133,061,006	1,176,710,891	1,160,680,717	1,195,077,381	1,144,395,069	1,173,256,651	1,202,685,511	(29,428,859)
1989 - 2017	1,160,071,140	1,062,867,059	1,096,600,363	1,082,521,216	1,117,905,019	1,075,973,594	1,094,775,854	1,119,041,275	(24,265,420)

- Notes: (a) See Exhibit VIII, Sheet 1, Column (5).  
 (b) See Exhibit VII, Sheet 1, Column (5).  
 (c) See Exhibit VI, Sheet 1, Column (14).  
 (d) See Exhibit V, Column (6).  
 (e) See Exhibit VI, Sheet 2, Column (11).  
 (f) See Appendix E, Exhibit I, Sheet 1, Column (7).  
 (g) Selected based on average of columns (3), (4), & (5) for birth years 2014 and prior. The selection for birth years 2015 and subsequent is based on average of columns (4), (5), & (6).

Estimation of Ultimate Loss & ALAE - Adjusted to Birth Year Level  
 Based on Bornhuetter-Ferguson Approach  
 Evaluated As of March 31, 2019

Year of Birth	Birth Year Level Initial Expected Ultimate (a) Loss & ALAE	Expected Percent (b) Unreported @ 3/31/19	Birth Year Level Expected Unreported Loss & ALAE (2) x (3)	Birth Year Level Reported Loss & ALAE (c)	Indicated Birth Year Level Ultimate Loss & ALAE (4) + (5)
(1)	(2)	(3)	(4)	(5)	(6)
1989	23,627,056	9.0%	2,128,370	20,059,682	22,188,052
1990	11,024,447	9.4%	1,033,069	8,641,634	9,674,702
1991	21,065,629	9.7%	2,050,061	19,639,767	21,689,828
1992	41,005,394	10.1%	4,138,024	36,170,616	40,308,639
1993	39,791,289	9.6%	3,835,726	35,147,009	38,982,735
1994	18,084,044	10.0%	1,808,334	15,476,328	17,284,663
1995	26,376,525	10.4%	2,732,128	24,050,427	26,782,555
1996	24,981,374	10.7%	2,676,834	22,162,284	24,839,118
1997	33,656,849	10.3%	3,455,432	29,395,083	32,850,515
1998	57,629,346	10.6%	6,122,632	51,596,700	57,719,332
1999	24,258,569	11.0%	2,663,648	20,504,755	23,168,403
2000	18,231,408	10.5%	1,920,296	15,820,653	17,740,949
2001	24,288,649	10.1%	2,449,101	22,743,190	25,192,291
2002	58,698,372	11.0%	6,441,313	51,521,817	57,963,130
2003	14,006,490	11.9%	1,660,474	12,632,370	14,292,843
2004	24,814,262	11.9%	2,941,738	22,055,880	24,997,618
2005	32,544,839	14.0%	4,557,875	26,296,590	30,854,465
2006	47,266,707	16.1%	7,611,050	39,358,320	46,969,370
2007	39,854,392	17.3%	6,911,635	32,438,747	39,350,382
2008	50,571,513	18.6%	9,387,974	42,588,272	51,976,246
2009	61,656,900	19.8%	12,187,874	51,829,916	64,017,790
2010	31,355,138	21.3%	6,691,325	25,526,294	32,217,619
2011	55,246,405	23.6%	13,055,552	42,289,019	55,344,571
2012	38,509,793	27.3%	10,500,886	29,746,732	40,247,617
2013	40,540,345	30.1%	12,188,647	28,513,078	40,701,725
2014	61,024,014	34.6%	21,139,102	38,373,422	59,512,524
2015	66,854,311	39.5%	26,395,462	40,981,693	67,377,154
2016	33,688,173	58.8%	19,819,202	6,945,247	26,764,449
2017	75,948,129	69.5%	52,787,514	18,724,415	71,511,929
2018	80,110,528	80.3%	64,349,269	13,810,232	78,159,501
2019 (3 Mo)	20,680,251	96.9%	20,029,256	30,000	20,059,256
Totals:	1,197,391,141		335,669,800	845,070,174	1,180,739,973

Notes: (a) See Exhibit VI, Sheet 1, Column (14).

(b) Based on cumulative development factors shown in Exhibit VII, Sheet 1, Col. (4) for all birth years prior to the current birth year. The percent unreported for the current birth year is adjusted to account for the partial year.

(c) See Exhibit VII, Sheet 1, Column (2).

Estimated Ultimate Loss & Expense Based on Frequency / Severity Method - Birth Year Cost Level

Year of Birth	Birth Year Level Ultimate Loss & ALAE Based On			Inflation Incurred Basis (c)	Adjustment Factor to 2019 Level (6)	Estimated 2019 Level Ultimate Loss & ALAE (4) x (6) (7)	Estimated Ultimate (d) Accepted Claim Cts. (8)	Indicated Average Claim Size		Birth Year Level Average Claim Size Based on All Years (15) / (6) (11)	Estimated % Rept. (e) (12)	Indicated Birth Year Level Average (f) Claim Size (13)	Estimated Birth Year Level Ultimate Loss & ALAE (13) x (8) (14)
	Adjusted Paid Proj. (a)	Adjusted Inc. Proj. (b)	Selected (4)					Birth Year Level (9)	2019 Level (7) / (8) (10)				
	(2)	(3)	(4)					(9)	(10)				
1989	31,247,407	22,045,591	22,045,591	0.90%	1.436	31,659,147	11.0	2,004,145	2,878,104	3,600,131	90.99%	2,147,914	23,627,056
1990	12,515,546	9,535,144	9,535,144	0.83%	1.423	13,570,738	7.0	1,362,163	1,938,677	3,632,617	90.63%	1,574,921	11,024,447
1991	18,740,694	21,757,122	21,757,122	0.61%	1.411	30,709,454	4.0	5,439,281	7,677,363	3,662,901	90.27%	5,266,407	21,065,629
1992	32,626,408	40,230,435	40,230,435	0.56%	1.403	56,437,702	13.0	3,094,649	4,341,362	3,685,371	89.91%	3,154,261	41,005,394
1993	50,829,215	38,896,478	38,896,478	0.52%	1.395	54,261,346	13.0	2,992,037	4,173,950	3,706,086	90.36%	3,060,868	39,791,289
1994	19,838,108	17,195,846	17,195,846	0.46%	1.388	23,863,844	7.0	2,456,549	3,409,121	3,725,452	90.00%	2,583,435	18,084,044
1995	27,371,097	26,829,472	26,829,472	0.42%	1.381	37,060,778	6.0	4,471,579	6,176,796	3,742,772	89.64%	4,396,088	26,376,525
1996	27,496,415	24,822,046	24,822,046	0.41%	1.376	34,145,044	7.0	3,546,007	4,877,863	3,758,423	89.28%	3,568,768	24,981,374
1997	35,149,854	32,758,260	32,758,260	0.31%	1.370	44,879,562	11.0	2,978,024	4,079,960	3,773,706	89.73%	3,059,714	33,656,849
1998	64,755,140	57,730,028	57,730,028	0.35%	1.366	78,845,236	15.0	3,848,669	5,256,349	3,785,490	89.38%	3,841,956	57,629,346
1999	41,710,190	23,033,936	23,033,936	0.42%	1.361	31,350,565	9.0	2,559,326	3,483,396	3,798,556	89.02%	2,695,397	24,258,569
2000	22,196,034	17,683,208	17,683,208	0.45%	1.355	23,966,413	6.0	2,947,201	3,994,402	3,814,642	89.47%	3,038,568	18,231,408
2001	32,046,581	25,293,627	25,293,627	0.40%	1.349	34,128,159	4.0	6,323,407	8,532,040	3,831,722	89.92%	6,072,162	24,288,649
2002	66,123,027	57,872,503	57,872,503	0.43%	1.344	77,776,661	17.0	3,404,265	4,575,098	3,846,970	89.03%	3,452,845	58,698,372
2003	21,463,270	14,331,356	14,331,356	0.37%	1.338	19,177,061	3.0	4,777,119	6,392,354	3,863,679	88.14%	4,668,830	14,006,490
2004	25,731,556	25,022,279	25,022,279	4.59%	1.333	33,359,708	6.0	4,170,380	5,559,951	3,877,934	88.14%	4,135,710	24,814,262
2005	40,211,934	30,579,175	30,579,175	0.91%	1.275	38,979,492	11.0	2,779,925	3,543,590	4,055,883	86.00%	2,958,622	32,544,839
2006	50,892,975	46,912,303	46,912,303	4.48%	1.263	59,260,474	12.0	3,909,359	4,938,373	4,092,771	83.90%	3,938,892	47,266,707
2007	59,561,322	39,244,637	39,244,637	0.57%	1.209	47,449,515	10.0	3,924,464	4,744,952	4,276,065	82.66%	3,985,439	39,854,392
2008	38,665,509	52,296,461	52,296,461	5.09%	1.202	62,871,636	10.0	5,229,646	6,287,164	4,300,444	81.44%	5,057,151	50,571,513
2009	58,333,166	64,599,452	64,599,452	0.73%	1.144	73,899,815	11.0	5,872,677	6,718,165	4,519,405	80.23%	5,605,173	61,656,900
2010	27,138,854	32,451,611	32,451,611	0.37%	1.136	36,855,668	6.0	5,408,602	6,142,611	4,552,268	78.66%	5,225,856	31,355,138
2011	47,062,062	55,374,947	55,374,947	0.48%	1.131	62,656,220	12.0	4,614,579	5,221,352	4,569,250	76.37%	4,603,867	55,246,405
2012	35,440,598	40,899,149	40,899,149	8.92%	1.126	46,058,206	7.0	5,842,736	6,579,744	4,590,955	72.73%	5,501,399	38,509,793
2013	58,223,145	40,771,103	40,771,103	0.59%	1.034	42,154,052	8.0	5,096,388	5,269,257	5,000,448	69.93%	5,067,543	40,540,345
2014	78,884,383	58,711,431	58,711,431	0.22%	1.028	60,348,718	13.0	4,516,264	4,642,209	5,029,797	65.36%	4,694,155	61,024,014
2015	65,303,386	67,718,259	67,718,259	0.20%	1.026	69,455,140	13.0	5,209,097	5,342,703	5,040,774	60.52%	5,142,639	66,854,311
2016	21,468,405	16,870,226	16,870,226	1.88%	1.024	17,268,674	9.0	1,874,470	1,918,742	5,050,771	41.17%	3,743,130	33,688,173
2017	49,044,860	61,400,974	61,400,974	0.25%	1.005	61,692,042	16.0	3,837,561	3,855,753	5,145,670	30.50%	4,746,758	75,948,129
2018	53,739,583	70,193,947	70,193,947	0.22%	1.002	70,348,366	16.0	4,387,122	4,396,773	5,158,714	19.67%	5,006,908	80,110,528
2019 (3 Mo)	N/A	N/A	N/A		1.000	N/A	4.0	N/A	N/A	5,170,063	N/A	5,170,063	20,680,251
Totals / Averages:													
1992 - 2011	789,202,715	723,158,059	723,158,059			931,224,899	189	3,826,233	4,927,116				724,318,466
1992 - 2012	824,643,314	764,057,208	764,057,208			977,283,105	196	3,898,251	4,986,138				762,828,259
1992 - 2013	882,866,458	804,828,311	804,828,311			1,019,437,157	204	3,945,237	4,997,241				803,368,604
1995 - 2011	685,908,984	626,835,299	626,835,299			796,662,007	156	4,018,175	5,106,808				625,437,739
1996 - 2012	693,978,485	640,904,976	640,904,976			805,659,435	157	4,082,197	5,131,589				637,571,006
1997 - 2013	724,705,215	656,854,033	656,854,033			813,668,443	158	4,157,304	5,149,800				653,129,978
1995 - 2012	721,349,583	667,734,448	667,734,448			842,720,213	163	4,096,530	5,170,063				663,947,532

(15) Selected 2019 Level Average Claim Size ==> 5,170,063

Notes: (a) See Exhibit VIII, Sheet 1.

(b) See Exhibit VII, Sheet 1.

(c) See Exhibit IX, Sheets 8a, 8b and 8c , calendar year factors.

(d) Based on ultimate reported accepted claim counts for AAA and AAD only (Excluding DA claims). See Exhibit X, Sheet 1a, Column (10).

(e) See Exhibit VII, Sheet 1, Column (4) for basis of reporting pattern for all years other than the current birth year.

(f) The historical birth year level average claim size is based on a combination (wtd. avg.) of the average for all years (column (10)) and the average based on experience (column (9)) for all birth years prior to the current birth year. The calculation for the current birth year is shown in Item (15). The weights are based on reporting pattern as shown in column (12).

Estimation of Birth Year Level Ultimate Loss & ALAE  
Based on Cape Cod Type Methodology

Evaluated As of March 31, 2019

Year of Birth	Insured (a) Physicians	Birth Year Level (b) Incurred Loss & ALAE @ 3/31/19	Expected Percent (c) Reported @ 3/31/19	Exposure Adjusted to Expected Percent (2) X (4)	Adjustment Factor to (d) 2019 Level	Incurred (Reported) Loss & ALAE	2019 Level Loss & ALAE per Insured Physician (7) / (5)	Indicated (e) BY Level Unreported Loss & ALAE	Indicated BY Level Ultimate Loss & ALAE (3) + (10)
						Adjusted to 2019 Level (3) X (6)			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(10)	(11)
1989	570	20,059,682	90.99%	518.7	1.436	28,807,231	55,542	1,990,566	22,050,249
1990	590	8,641,634	90.63%	534.7	1.423	12,299,064	23,001	2,162,668	10,804,302
1991	653	19,639,767	90.27%	589.5	1.411	27,720,878	47,028	2,506,551	22,146,318
1992	712	36,170,616	89.91%	640.1	1.403	50,742,340	79,266	2,851,407	39,022,022
1993	731	35,147,009	90.36%	660.5	1.395	49,030,763	74,229	2,812,149	37,959,158
1994	659	15,476,328	90.00%	593.1	1.388	21,477,552	36,212	2,643,587	18,119,915
1995	682	24,050,427	89.64%	611.4	1.381	33,221,956	54,341	2,847,129	26,897,556
1996	708	22,162,284	89.28%	632.1	1.376	30,486,294	48,227	3,070,365	25,232,649
1997	737	29,395,083	89.73%	661.3	1.370	40,271,933	60,895	3,074,754	32,469,837
1998	699	51,596,700	89.38%	624.7	1.366	70,468,595	112,797	3,027,190	54,623,890
1999	665	20,504,755	89.02%	592.0	1.361	27,908,199	47,144	2,986,743	23,491,498
2000	620	15,820,653	89.47%	554.7	1.355	21,442,054	38,656	2,682,498	18,503,151
2001	676	22,743,190	89.92%	607.8	1.349	30,686,909	50,485	2,812,484	25,555,674
2002	730	51,521,817	89.03%	649.9	1.344	69,241,777	106,543	3,318,455	54,840,272
2003	785	12,632,370	88.14%	691.9	1.338	16,903,615	24,429	3,871,857	16,504,227
2004	841	22,055,880	88.14%	741.3	1.333	29,404,904	39,667	4,163,370	26,219,250
2005	891	26,296,590	86.00%	766.2	1.275	33,520,450	43,748	5,449,909	31,746,500
2006	897	39,358,320	83.90%	752.6	1.263	49,718,146	66,065	6,365,684	45,724,004
2007	963	32,438,747	82.66%	796.0	1.209	39,220,718	49,273	7,689,908	40,128,656
2008	987	42,588,272	81.44%	803.8	1.202	51,200,297	63,700	8,484,815	51,073,086
2009	1,044	51,829,916	80.23%	837.6	1.144	59,291,853	70,785	10,043,243	61,873,160
2010	1,071	25,526,294	78.66%	842.4	1.136	28,990,506	34,412	11,203,832	36,730,126
2011	1,091	42,289,019	76.37%	833.2	1.131	47,849,618	57,430	12,685,479	54,974,497
2012	1,119	29,746,732	72.73%	813.9	1.126	33,499,012	41,160	15,084,602	44,831,333
2013	1,143	28,513,078	69.93%	799.4	1.034	29,480,237	36,880	18,504,151	47,017,229
2014	1,208	38,373,422	65.36%	789.5	1.028	39,443,543	49,958	22,664,653	61,038,075
2015	1,273	40,981,693	60.52%	770.4	1.026	42,032,818	54,560	27,281,698	68,263,390
2016	1,318	6,945,247	41.17%	542.6	1.024	7,109,283	13,102	42,172,347	49,117,594
2017	1,356	18,724,415	30.50%	413.5	1.005	18,813,177	45,496	52,222,985	70,947,400
2018	1,420	13,810,232	19.67%	279.4	1.002	13,840,613	49,541	63,362,131	77,172,362
2019 (3 Mo)	1,392	30,000	0.79%	11.0	1.000	30,000	2,739	19,221,607	19,251,607

Totals / Averages:

1992 - 2011	16,189	619,604,271		13,893		801,078,480	57,661	102,084,857	721,689,129
1992 - 2012	17,308	649,351,003		14,707		834,577,492	56,748	117,169,459	766,520,462
1992 - 2013	18,451	677,864,081		15,506		864,057,729	55,724	135,673,609	813,537,690
1995 - 2011	14,087	532,810,319		11,999		679,827,825	56,657	93,777,715	626,588,033
1996 - 2012	14,524	538,506,623		12,202		680,104,881	55,739	106,015,187	644,521,810
1997 - 2013	14,959	544,857,417		12,369		679,098,825	54,904	121,448,972	666,306,390
1995 - 2012	15,206	562,557,050		12,813		713,326,837	55,673	108,862,316	671,419,366

(9) Indicated 2019 Level Loss & ALAE per Insured Physician

55,673

Notes: (a) See Exhibit X, Sheet 1c, Columns (4) and (10).

(b) See Exhibit VII, Sheet 1.

(c) Based on cumulative development factors shown in Exhibit VII, Sheet 1, Column (4).

(d) See Exhibit VI, Sheet 1, Column (6).

(e) Calculation = [Item (9) / Column (6)] X [1.0 - Column (4)] X Column (2), except for the current year (2019) - current year calculation is multiplied by 0.25 to account for the partial year.

Incurred Loss & ALAE - Adjusted to Birth Year Cost Basis

Evaluated As of March 31, 2019

Year of Birth ----- (1)	Combined Incurred Loss & ALAE ----- (2)	Loss Development Factors -----		Combined Incurred Loss & ALAE Projection (2) x (4) ----- (5)
		Incremental ----- (3)	Cumulative ----- (4)	
1989	20,059,682	1.099	1.099	22,045,591
1990	8,641,634	1.004	1.103	9,535,144
1991	19,639,767	1.004	1.108	21,757,122
1992	36,170,616	1.004	1.112	40,230,435
1993	35,147,009	0.995	1.107	38,896,478
1994	15,476,328	1.004	1.111	17,195,846
1995	24,050,427	1.004	1.116	26,829,472
1996	22,162,284	1.004	1.120	24,822,046
1997	29,395,083	0.995	1.114	32,758,260
1998	51,596,700	1.004	1.119	57,730,028
1999	20,504,755	1.004	1.123	23,033,936
2000	15,820,653	0.995	1.118	17,683,208
2001	22,743,190	0.995	1.112	25,293,627
2002	51,521,817	1.010	1.123	57,872,503
2003	12,632,370	1.010	1.134	14,331,356
2004	22,055,880	1.000	1.134	25,022,279
2005	26,296,590	1.025	1.163	30,579,175
2006	39,358,320	1.025	1.192	46,912,303
2007	32,438,747	1.015	1.210	39,244,637
2008	42,588,272	1.015	1.228	52,296,461
2009	51,829,916	1.015	1.246	64,599,452
2010	25,526,294	1.020	1.271	32,451,611
2011	42,289,019	1.030	1.309	55,374,947
2012	29,746,732	1.050	1.375	40,899,149
2013	28,513,078	1.040	1.430	40,771,103
2014	38,373,422	1.070	1.530	58,711,431
2015	40,981,693	1.080	1.652	67,718,259
2016	6,945,247	1.470	2.429	16,870,226
2017	18,724,415	1.350	3.279	61,400,974
2018	13,810,232	1.550	5.083	70,193,947
2019	30,000	25.000	127.069	3,812,062
Totals:	845,070,174			1,136,873,068







Incurred Loss & ALAE - Adjusted to Birth Year Cost Basis

Year of Birth	291	303	315	327	339	351	363
1989	21,296,962	20,370,827	19,687,166	20,023,223	19,515,794	19,356,860	20,059,682
1990	8,320,021	8,068,073	8,120,067	7,170,376	8,628,573	8,641,634	
1991	19,802,050	20,007,035	20,071,074	19,509,083	19,639,767		
1992	36,852,657	36,480,257	36,806,316	36,170,616			
1993	33,748,398	33,168,343	35,147,009				
1994	15,345,754	15,476,328					
1995	24,050,427						
1996							
1997							
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2013							
2014							
2015							
2016							
2017							
2018							
2019							

Incurred Loss & ALAE - Adjusted to Birth Year Cost Basis  
 Period to Period Development Factors

Year of Birth	3:15	15:27	27:39	39:51	51:63	63:75	75:87	87:99	99:111	111:123	123:135	135:147
1989				1.163	0.881	0.924	0.694	1.102	1.094	1.026	0.893	0.905
1990			1.765	0.840	1.399	0.623	1.004	0.803	0.968	1.015	1.041	1.193
1991		1.283	0.895	1.552	0.668	1.069	0.981	0.982	1.069	1.019	1.496	1.044
1992		1.115	3.425	0.440	1.045	0.870	1.039	1.043	0.963	1.250	1.072	1.065
1993		2.806	1.271	1.138	1.032	1.323	1.064	1.243	1.270	0.943	0.915	1.049
1994		0.661	1.570	1.161	1.233	1.789	1.018	0.902	0.620	0.964	1.054	1.092
1995		1.987	4.327	1.377	0.903	1.293	1.233	1.003	1.030	1.030	1.141	0.992
1996		3.471	1.867	1.092	1.967	1.546	0.928	1.022	1.223	0.938	1.105	0.975
1997		10.785	1.047	1.104	1.633	1.189	1.049	0.794	1.131	0.996	1.012	0.996
1998		1.069	1.752	1.466	1.201	1.112	0.988	1.074	1.119	1.011	1.053	0.957
1999		1.269	1.550	1.935	1.124	0.919	1.005	0.933	1.029	1.085	0.853	1.154
2000		2.280	1.007	1.183	0.611	0.963	1.079	0.978	0.991	1.236	0.943	0.805
2001		28.061	1.606	0.860	1.429	1.139	1.178	0.953	0.997	1.097	0.928	1.118
2002		2.391	1.912	1.001	1.211	1.141	1.163	1.352	0.968	1.145	0.979	0.906
2003		2.264	13.956	1.707	0.822	0.900	1.114	1.228	1.076	0.974	0.950	1.030
2004		40.717	1.905	1.645	1.219	0.955	0.820	1.024	0.931	1.040	1.005	0.994
2005		132.090	3.136	1.294	1.253	1.259	0.963	0.922	0.737	0.881	0.988	1.003
2006		2.260	2.794	1.590	1.210	1.192	0.929	0.992	1.046	1.018	1.000	0.908
2007		25.835	2.931	1.531	1.325	0.971	0.919	1.015	0.981	0.934	0.962	1.015
2008		4.617	1.450	1.398	0.964	1.096	1.017	1.040	0.921	0.996	0.970	
2009		5.685	2.639	1.128	1.075	0.896	1.067	1.085	1.090	1.008		
2010		4.655	1.601	1.258	0.828	1.009	0.945	1.061	1.024			
2011	4.023	1.557	1.856	1.172	1.105	1.041	1.015	1.007				
2012	3.025	1.690	1.820	0.837	0.779	1.156	1.166					
2013	436.743	1.835	1.042	1.224	1.165	0.958						
2014		1.529	1.740	0.997	1.004							
2015		6.029	2.094	1.498								
2016	0.181	6.611	2.201									
2017		3.238										
2018												
Simple Avg. - Incremental	110.993	11.029	2.413	1.244	1.119	1.093	1.016	1.024	1.013	1.029	1.018	1.011
Wtd Avg. All - Incremental	15.867	2.320	1.801	1.172	1.086	1.069	1.008	1.035	1.017	1.020	0.996	0.993
Wtd Latest Five - Incremental	13.883	2.281	1.657	1.119	0.980	0.996	1.039	1.041	1.011	0.976	0.983	0.977
Wtd Latest Three - Incremental	7.603	4.146	1.899	1.210	0.980	1.042	1.038	1.050	1.008	0.984	0.979	0.967
Wtd Avg. All - Cumulative		6.724	2.898	1.609	1.372	1.264	1.182	1.173	1.134	1.115	1.093	1.098
Wtd Latest Five - Cumulative		4.590	2.012	1.215	1.086	1.108	1.113	1.071	1.029	1.018	1.043	1.061
Selected Incremental - Prior 3/31/18	25.000	2.500	3.000	1.150	1.080	1.100	1.040	1.040	1.025	1.025	1.020	1.020
Selected - Incremental	25.000	1.550	1.350	1.470	1.080	1.070	1.040	1.050	1.030	1.020	1.015	1.015
Selected - Cumulative	127.069	5.083	3.279	2.429	1.652	1.530	1.430	1.375	1.309	1.271	1.246	1.228

Incurred Loss & ALAE - Adjusted to Birth Year Cost Basis  
 Period to Period Development Factors

Year of Birth -----	147:159 -----	159:171 -----	171:183 -----	183:195 -----	195:207 -----	207:219 -----	219:231 -----	231:243 -----	243:255 -----	255:267 -----	267:279 -----	279:291 -----
1989	1.411	0.799	1.038	1.054	1.096	1.184	0.977	0.960	0.927	1.023	0.977	1.008
1990	1.186	0.961	1.055	0.990	0.858	0.779	0.967	0.908	0.787	1.005	1.036	0.920
1991	0.952	1.176	1.017	1.121	1.112	1.056	0.929	1.008	1.036	1.109	0.930	1.011
1992	1.029	1.215	1.266	0.994	1.009	1.019	1.003	1.016	1.060	0.941	0.958	1.001
1993	1.046	0.932	0.938	0.865	0.959	1.018	0.910	1.048	0.905	1.003	1.011	0.985
1994	1.070	0.951	1.233	0.957	1.028	1.123	1.030	0.988	1.000	1.018	0.949	1.004
1995	0.932	1.129	1.035	0.952	0.940	0.941	1.063	1.005	0.991	1.010	1.028	1.014
1996	0.952	0.947	1.000	0.735	1.101	0.968	1.001	1.008	1.054	0.973	0.992	
1997	1.224	1.131	0.948	0.956	0.949	0.960	1.002	0.959	0.992	1.017		
1998	1.127	0.972	1.039	1.030	1.012	1.020	0.955	0.932	1.035			
1999	0.889	0.990	1.017	0.881	1.016	0.950	1.010	1.020				
2000	1.141	0.877	1.014	0.993	1.007	1.074	0.992					
2001	0.968	1.031	1.010	1.024	1.008	1.020						
2002	0.984	1.010	0.941	0.979	0.989							
2003	0.978	0.999	1.153	0.909								
2004	1.047	1.057	1.029									
2005	0.980	1.020										
2006	1.016											
2007												
2008												
2009												
2010												
2011												
2012												
2013												
2014												
2015												
2016												
2017												
2018												
Simple Avg. - Incremental	1.052	1.012	1.046	0.963	1.006	1.009	0.987	0.987	0.979	1.011	0.985	0.992
Wtd Avg. All - Incremental	1.041	1.006	1.023	0.957	0.999	1.008	0.980	0.986	0.992	1.003	0.982	0.997
Wtd Latest Five - Incremental	0.999	1.021	0.996	0.963	1.004	1.002	0.984	0.972	1.018	1.004	0.988	1.001
Wtd Latest Three - Incremental	1.012	1.028	0.990	0.979	0.997	1.008	0.973	0.957	1.027	1.001	0.994	0.998
Wtd Avg. All - Cumulative	1.106	1.063	1.056	1.032	1.078	1.079	1.070	1.092	1.108	1.116	1.113	1.133
Wtd Latest Five - Cumulative	1.086	1.088	1.065	1.069	1.111	1.106	1.103	1.122	1.154	1.134	1.130	1.144
Selected Incremental - Prior 3/31/18	1.020	1.020	1.020	1.010	1.008	1.003	1.001	1.001	1.001	1.001	0.996	0.995
Selected - Incremental	1.015	1.025	1.025	1.000	1.010	1.010	0.995	0.995	1.004	1.004	0.995	1.004
Selected - Cumulative	1.210	1.192	1.163	1.134	1.134	1.123	1.112	1.118	1.123	1.119	1.114	1.120

Incurred Loss & ALAE - Adjusted to Birth Year Cost Basis  
 Period to Period Development Factors

Year of Birth -----	291:303 -----	303:315 -----	315:327 -----	327:339 -----	339:351 -----	351:363 -----	363:Ult. -----
1989	0.957	0.966	1.017	0.975	0.992	1.036	
1990	0.970	1.006	0.883	1.203	1.002		
1991	1.010	1.003	0.972	1.007			
1992	0.990	1.009	0.983				
1993	0.983	1.060					
1994	1.009						
1995							
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2018							
Simple Avg. - Incremental	0.986	1.009	0.964	1.062	0.997	1.036	
Wtd Avg. All - Incremental	0.987	1.015	0.979	1.023	0.995	1.036	
Wtd Latest Five - Incremental	0.992	1.015	0.979	1.023	0.995	1.036	
Wtd Latest Three - Incremental	0.990	1.026	0.967	1.023	0.995	1.036	
Wtd Avg. All - Cumulative	1.136	1.151	1.134	1.159	1.133	1.139	1.099
Wtd Latest Five - Cumulative	1.142	1.151	1.134	1.159	1.133	1.139	1.099
Selected Incremental - Prior 3/31/18	1.004	1.004	1.004	1.004	1.004	1.103	
Selected - Incremental	1.004	1.004	0.995	1.004	1.004	1.004	1.099
Selected - Cumulative	1.116	1.111	1.107	1.112	1.108	1.103	1.099

Paid Loss & ALAE - Adjusted to Birth Year Cost Basis

Evaluated As of March 31, 2019

Year of Birth ----- (1)	Combined Paid Loss & ALAE ----- (2)	Loss Development Factors -----		Combined Paid Loss & ALAE Projection (2) x (4) ----- (5)
		Incremental ----- (3)	Cumulative ----- (4)	
1989	11,791,474	2.650	2.650	31,247,407
1990	4,541,200	1.040	2.756	12,515,546
1991	6,538,425	1.040	2.866	18,740,694
1992	10,840,952	1.050	3.010	32,626,408
1993	16,085,044	1.050	3.160	50,829,215
1994	5,978,880	1.050	3.318	19,838,108
1995	7,856,380	1.050	3.484	27,371,097
1996	7,516,524	1.050	3.658	27,496,415
1997	9,107,769	1.055	3.859	35,149,854
1998	15,904,143	1.055	4.072	64,755,140
1999	9,710,146	1.055	4.296	41,710,190
2000	4,897,862	1.055	4.532	22,196,034
2001	6,671,246	1.060	4.804	32,046,581
2002	12,985,902	1.060	5.092	66,123,027
2003	3,976,577	1.060	5.397	21,463,270
2004	4,476,411	1.065	5.748	25,731,556
2005	6,507,444	1.075	6.179	40,211,934
2006	7,661,341	1.075	6.643	50,892,975
2007	8,302,092	1.080	7.174	59,561,322
2008	4,899,528	1.100	7.892	38,665,509
2009	6,719,754	1.100	8.681	58,333,166
2010	2,816,478	1.110	9.636	27,138,854
2011	4,380,372	1.115	10.744	47,062,062
2012	2,783,702	1.185	12.731	35,440,598
2013	3,859,215	1.185	15.087	58,223,145
2014	4,357,256	1.200	18.104	78,884,383
2015	2,829,095	1.275	23.083	65,303,386
2016	581,288	1.600	36.932	21,468,405
2017	632,362	2.100	77.558	49,044,860
2018	153,976	4.500	349.012	53,739,583
2019	-	50.000	17,450.582	-
Totals:	195,362,837			1,213,810,723





Paid Loss & ALAE - Adjusted to Birth Year Cost Basis

Year of Birth	291	303	315	327	339	351	363
1989	9,784,310	10,176,885	10,547,451	10,972,751	11,335,908	11,548,451	11,791,474
1990	3,762,816	3,973,827	4,110,275	4,237,534	4,367,068	4,541,200	
1991	5,065,254	5,409,766	5,752,595	6,154,028	6,538,425		
1992	9,007,698	9,587,442	10,221,481	10,840,952			
1993	14,824,210	15,397,507	16,085,044				
1994	5,805,802	5,978,880					
1995	7,856,380						
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Paid Loss & ALAE - Adjusted to Birth Year Cost Basis  
 Period to Period Development Factors

Year of Birth	3:15	15:27	27:39	39:51	51:63	63:75	75:87	87:99	99:111	111:123	123:135	135:147
1989				1.570	1.447	1.137	1.094	1.101	1.127	1.063	1.063	1.213
1990			2.492	1.059	1.296	1.143	1.096	1.049	1.061	1.036	1.035	1.048
1991		103.788	1.171	2.519	1.461	1.134	1.080	1.038	1.028	1.080	1.067	1.087
1992		21.379	3.616	2.029	1.233	1.141	1.098	1.082	1.057	1.064	1.069	1.088
1993		126.525	4.224	1.671	1.541	1.294	1.246	1.187	1.161	1.143	1.109	1.088
1994		3.774	1.646	1.390	1.150	1.372	1.104	1.104	1.054	1.015	1.060	1.125
1995		51.675	5.677	1.544	1.065	1.079	1.105	1.059	1.120	1.119	1.330	1.092
1996		146.774	1.346	1.619	1.197	1.393	1.183	1.094	1.098	1.093	1.070	1.078
1997		46.329	1.647	1.297	1.329	1.397	1.165	1.109	1.102	1.064	1.104	1.125
1998		22.564	2.019	1.491	1.211	1.147	1.390	1.125	1.135	1.090	1.113	1.104
1999		1.885	1.313	1.435	1.316	1.183	1.127	1.185	1.221	1.123	1.095	1.107
2000		2.522	1.635	1.342	1.150	1.092	1.057	1.067	1.056	1.047	1.088	1.063
2001		4.213	2.274	1.384	1.250	1.418	1.158	1.083	1.058	1.067	1.067	1.070
2002		5.519	2.043	1.490	1.393	1.210	1.359	1.171	1.147	1.112	1.123	1.127
2003		2.246	1.211	1.186	1.435	1.508	1.101	1.088	1.129	1.112	1.092	1.132
2004		95.233	2.686	1.468	1.189	1.240	1.160	1.130	1.059	1.093	1.087	1.075
2005		980.268	33.175	1.973	1.328	1.499	1.206	1.139	1.098	1.083	1.075	1.069
2006		149.613	2.238	2.321	1.434	1.728	1.190	1.136	1.103	1.094	1.099	1.093
2007		4.890	2.367	1.707	1.324	1.301	1.202	1.158	1.143	1.121	1.104	1.091
2008		67.166	2.579	1.646	1.219	1.182	1.233	1.208	1.189	1.172	1.110	
2009		2.196	2.385	1.518	1.194	1.168	1.203	1.289	1.094	1.097		
2010		8.780	1.171	1.508	1.123	1.076	1.108	1.071	1.064			
2011		12.255	5.565	1.416	1.455	1.270	1.200	1.157				
2012	386.410	11.726	3.824	1.695	1.238	1.127	1.175					
2013		6.855	2.126	1.355	1.231	1.193						
2014		5.812	1.998	1.710	1.321							
2015		854.143	2.943	1.856								
2016		1.388	1.152									
2017		3.723										
2018												
Simple Avg. - Incremental	386.410	101.602	3.575	1.600	1.290	1.257	1.168	1.123	1.105	1.090	1.098	1.099
Wtd Avg. All - Incremental		4.764	2.113	1.559	1.284	1.250	1.181	1.136	1.113	1.094	1.097	1.102
Wtd Latest Five - Incremental		4.240	2.206	1.600	1.275	1.173	1.186	1.185	1.118	1.110	1.096	1.089
Wtd Latest Three - Incremental		3.100	2.030	1.624	1.271	1.200	1.166	1.191	1.113	1.124	1.104	1.086
Wtd Avg. All - Cumulative		340.165	71.407	33.795	21.675	16.886	13.512	11.443	10.074	9.053	8.273	7.542
Wtd Latest Five - Cumulative		325.023	76.657	34.745	21.711	17.028	14.522	12.241	10.329	9.236	8.319	7.589
Selected Incremental - Prior 3/31/18	20.000	5.000	2.600	1.525	1.240	1.200	1.185	1.160	1.120	1.100	1.095	1.100
Selected - Incremental	50.000	4.500	2.100	1.600	1.275	1.200	1.185	1.185	1.115	1.110	1.100	1.100
Selected - Cumulative	17,450.582	349.012	77.558	36.932	23.083	18.104	15.087	12.731	10.744	9.636	8.681	7.892

Paid Loss & ALAE - Adjusted to Birth Year Cost Basis  
 Period to Period Development Factors

Year of Birth -----	147:159 -----	159:171 -----	171:183 -----	183:195 -----	195:207 -----	207:219 -----	219:231 -----	231:243 -----	243:255 -----	255:267 -----	267:279 -----	279:291 -----
1989	1.031	1.054	1.039	1.043	1.044	1.037	1.031	1.018	1.022	1.021	1.034	1.030
1990	1.062	1.101	1.101	1.100	1.083	1.034	1.027	1.024	1.030	1.025	1.029	1.046
1991	1.069	1.062	1.069	1.064	1.125	1.189	1.139	1.123	1.086	1.181	1.077	1.082
1992	1.074	1.065	1.058	1.063	1.066	1.067	1.087	1.072	1.057	1.086	1.081	1.069
1993	1.103	1.089	1.062	1.058	1.050	1.056	1.048	1.052	1.061	1.053	1.045	1.043
1994	1.014	1.016	1.031	1.025	1.028	1.023	1.022	1.034	1.038	1.034	1.033	1.036
1995	1.114	1.115	1.027	1.283	1.053	1.055	1.089	1.085	1.074	1.082	1.060	1.051
1996	1.063	1.066	1.073	1.069	1.045	1.051	1.048	1.047	1.049	1.049	1.048	
1997	1.125	1.097	1.090	1.128	1.069	1.057	1.059	1.054	1.046	1.049		
1998	1.107	1.097	1.085	1.105	1.087	1.079	1.077	1.068	1.067			
1999	1.089	1.060	1.068	1.064	1.045	1.042	1.032	1.030				
2000	1.057	1.072	1.065	1.052	1.057	1.053	1.057					
2001	1.083	1.073	1.080	1.061	1.056	1.061						
2002	1.094	1.091	1.079	1.068	1.065							
2003	1.127	1.096	1.084	1.063								
2004	1.063	1.062	1.071									
2005	1.072	1.069										
2006	1.074											
2007												
2008												
2009												
2010												
2011												
2012												
2013												
2014												
2015												
2016												
2017												
2018												
Simple Avg. - Incremental	1.079	1.076	1.068	1.083	1.062	1.062	1.060	1.055	1.053	1.065	1.051	1.051
Wtd Avg. All - Incremental	1.080	1.076	1.068	1.078	1.060	1.058	1.057	1.053	1.054	1.059	1.051	1.049
Wtd Latest Five - Incremental	1.084	1.080	1.077	1.063	1.065	1.061	1.057	1.056	1.057	1.054	1.053	1.054
Wtd Latest Three - Incremental	1.071	1.073	1.078	1.065	1.061	1.051	1.058	1.053	1.057	1.059	1.048	1.044
Wtd Avg. All - Cumulative	6.841	6.333	5.885	5.509	5.108	4.819	4.557	4.313	4.097	3.888	3.672	3.496
Wtd Latest Five - Cumulative	6.971	6.432	5.958	5.532	5.203	4.887	4.608	4.361	4.128	3.904	3.705	3.517
Selected Incremental - Prior 3/31/18	1.084	1.079	1.072	1.070	1.062	1.058	1.058	1.058	1.053	1.060	1.055	1.050
Selected - Incremental	1.080	1.075	1.075	1.065	1.060	1.060	1.060	1.055	1.055	1.055	1.055	1.050
Selected - Cumulative	7.174	6.643	6.179	5.748	5.397	5.092	4.804	4.532	4.296	4.072	3.859	3.658

Paid Loss & ALAE - Adjusted to Birth Year Cost Basis  
 Period to Period Development Factors

Year of Birth -----	291:303 -----	303:315 -----	315:327 -----	327:339 -----	339:351 -----	351:363 -----	363:Ult. -----
1989	1.040	1.036	1.040	1.033	1.019	1.021	
1990	1.056	1.034	1.031	1.031	1.040		
1991	1.068	1.063	1.070	1.062			
1992	1.064	1.066	1.061				
1993	1.039	1.045					
1994	1.030						
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Simple Avg. - Incremental	1.050	1.049	1.050	1.042	1.029	1.021	
Wtd Avg. All - Incremental	1.047	1.049	1.051	1.041	1.025	1.021	
Wtd Latest Five - Incremental	1.049	1.049	1.051	1.041	1.025	1.021	
Wtd Latest Three - Incremental	1.045	1.055	1.057	1.041	1.025	1.021	
Wtd Avg. All - Cumulative	3.332	3.182	3.034	2.886	2.772	2.706	2.650
Wtd Latest Five - Cumulative	3.338	3.182	3.034	2.886	2.772	2.706	2.650
Selected Incremental - Prior 3/31/18	1.050	1.050	1.045	1.035	1.025	2.750	
Selected - Incremental	1.050	1.050	1.050	1.050	1.040	1.040	2.650
Selected - Cumulative	3.484	3.318	3.160	3.010	2.866	2.756	2.650

**Incremental Paid Loss & ALAE - Adjusted to Birth Year Cost Level (a)**

Year of Birth	3	15	27	39	51	63	75	87	99	111	123	135
1989				1,369,815	780,303	961,023	425,846	330,877	391,626	539,663	301,815	320,015
1990			370,151	552,409	54,069	288,980	180,390	139,286	77,260	101,505	64,105	63,490
1991		2,093	215,131	37,158	386,347	295,652	125,160	85,017	43,904	33,846	98,229	88,299
1992	-	11,589	236,180	648,042	922,165	424,423	316,115	250,266	231,667	173,746	206,548	235,163
1993	-	1,750	219,677	713,838	627,431	844,804	707,686	765,467	725,334	741,615	766,788	669,491
1994	-	197,193	547,038	480,973	478,255	254,821	727,727	278,317	309,088	177,757	52,512	211,821
1995	-	2,544	128,915	614,841	406,044	74,407	97,480	139,080	86,140	185,568	207,075	640,346
1996	-	4,350	634,055	221,187	531,849	274,719	655,566	425,612	257,201	293,896	306,853	252,514
1997	-	12,552	568,993	376,438	284,211	408,922	655,490	380,542	293,193	304,638	209,520	363,617
1998	-	33,829	729,485	777,660	756,850	485,213	408,897	1,245,014	554,266	674,539	508,568	699,203
1999	-	521,547	461,379	307,646	561,349	585,858	445,496	365,575	601,332	852,221	576,238	500,457
2000	-	326,833	497,532	523,552	461,356	272,163	191,986	130,040	160,934	143,949	127,546	248,271
2001	-	117,765	378,369	632,002	433,239	390,110	816,640	436,489	264,982	201,530	247,689	260,652
2002	-	121,823	550,471	701,194	672,686	804,920	597,542	1,239,707	800,292	808,097	707,648	858,158
2003	-	215,016	267,824	101,924	108,848	301,701	505,826	152,199	145,824	231,284	227,900	207,968
2004	-	3,768	355,045	604,803	450,990	268,022	403,533	334,035	315,347	161,022	270,722	274,832
2005	-	24	23,200	747,237	749,817	498,829	1,008,214	622,304	508,288	406,181	380,765	369,221
2006	-	1,891	280,992	350,319	836,526	638,189	1,535,001	692,671	589,660	505,859	508,942	587,854
2007	-	113,472	441,404	758,312	928,175	727,222	893,263	779,706	735,393	771,061	743,309	717,548
2008	-	5,181	342,834	549,379	579,666	323,333	326,955	495,841	544,360	597,852	647,390	486,739
2009	-	325,467	389,399	989,984	883,229	502,730	520,531	732,333	1,257,484	526,517	592,079	
2010	-	119,093	926,517	178,873	622,176	227,968	156,735	239,983	176,179	168,954		
2011	-	17,682	198,998	989,173	501,724	776,917	671,966	630,375	593,537			
2012	58	22,277	239,568	739,737	696,554	403,325	266,757	415,426				
2013	-	133,032	778,875	1,027,113	689,171	605,906	625,118					
2014	-	165,996	798,746	963,110	1,369,574	1,059,830						
2015	-	606	517,322	1,006,218	1,304,949							
2016	-	363,419	141,081	76,788								
2017	-	169,842	462,520									
2018	-	153,976										
2019	-											

Notes: (a) Historical cost level incremental loss payments by birth year and maturity as shown in Exhibit IX, Sheets 3a, 3b and 3c are adjusted to birth level cost level using factors shown in Exhibit IX, Sheets 7a, 7b and 7c.

**Incremental Paid Loss & ALAE - Adjusted to Birth Year Cost Level (a)**

Year of Birth	147	159	171	183	195	207	219	231	243	255	267	279
1989	1,156,208	205,105	366,711	277,745	317,614	343,131	298,316	257,237	156,785	197,844	190,201	308,638
1990	90,257	123,783	213,254	235,255	256,430	234,363	102,802	84,535	77,126	100,637	83,929	102,323
1991	122,085	105,570	100,968	120,884	119,061	247,006	421,306	368,396	371,881	290,241	666,297	336,470
1992	321,681	293,056	279,019	265,041	305,290	340,434	364,844	506,264	454,478	387,726	619,768	630,311
1993	598,008	760,866	725,703	549,788	542,571	496,496	583,046	531,126	602,244	738,094	688,457	609,719
1994	462,610	58,640	66,065	134,802	112,452	129,307	105,327	104,286	165,967	192,381	180,187	179,077
1995	238,572	322,939	361,581	94,916	1,018,493	243,391	267,371	457,312	474,805	450,696	535,067	425,019
1996	302,610	263,245	293,651	344,861	347,305	241,070	289,560	287,984	291,110	317,479	335,462	344,386
1997	483,164	543,125	472,431	481,637	748,245	454,449	399,660	436,753	428,646	379,230	422,313	
1998	717,583	813,355	811,760	785,003	1,046,395	958,325	952,767	991,394	949,639	1,004,399		
1999	619,776	568,463	416,786	504,669	501,118	377,244	366,643	292,194	284,155			
2000	194,051	186,765	249,748	242,833	206,823	236,425	232,839	264,216				
2001	290,787	370,263	352,382	415,658	343,514	332,687	386,490					
2002	994,878	836,417	885,545	839,098	774,277	793,149						
2003	326,400	354,815	301,595	291,007	236,446							
2004	258,098	233,958	243,851	298,383								
2005	365,291	408,695	419,377									
2006	608,366	525,072										
2007	693,227											
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Notes: (a) Historical cost level incremental loss payments by birth year and maturity as shown in Exhibit IX, Sheets 3a, 3b and 3c are adjusted to birth level cost level using factors shown in Exhibit IX, Sheets 7a, 7b and 7c.

**Incremental Paid Loss & ALAE - Adjusted to Birth Year Cost Level (a)**

Year of Birth	291	303	315	327	339	351	363
1989	287,792	392,575	370,565	425,301	363,157	212,543	243,023
1990	166,476	211,011	136,448	127,259	129,534	174,132	
1991	384,254	344,511	342,829	401,433	384,397		
1992	583,881	579,744	634,039	619,471			
1993	614,212	573,297	687,537				
1994	199,200	173,078					
1995	383,777						
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Notes: (a) Historical cost level incremental loss payments by birth year and maturity as shown in Exhibit IX, Sheets 3a, 3b and 3c are adjusted to birth level cost level using factors shown in Exhibit IX, Sheets 7a, 7b and 7c.

**Case Outstanding Loss & ALAE - Adjusted to Birth Year Cost Level (a)**

Year of Birth	3	15	27	39	51	63	75	87	99	111	123	135
1989				21,779,721	24,776,021	20,613,512	18,385,663	11,339,214	12,503,585	13,541,598	13,717,267	11,377,611
1990			12,080,580	21,055,315	17,476,627	24,548,048	14,643,675	14,562,194	11,299,923	10,783,190	10,906,232	11,362,250
1991		6,267,606	7,826,512	6,940,986	10,524,894	6,519,162	6,909,587	6,669,947	6,486,097	6,980,743	7,039,775	11,097,026
1992	-	10,253,033	11,196,982	38,305,506	15,423,817	15,775,363	13,110,639	13,468,988	13,936,468	13,142,024	17,022,097	18,255,464
1993	-	6,031,371	16,705,642	20,573,021	22,909,032	22,837,237	30,283,329	31,640,591	39,553,357	50,743,968	46,764,734	41,599,022
1994	-	6,485,397	3,670,224	5,706,796	6,347,308	7,967,517	15,069,679	15,119,688	13,046,186	6,663,270	6,244,238	6,556,159
1995	-	1,146,407	2,151,933	9,133,675	12,448,103	11,057,120	14,552,782	18,107,100	18,071,536	18,478,102	18,874,012	21,169,716
1996	-	1,207,548	3,567,538	6,991,098	7,181,777	15,198,167	23,751,572	21,439,025	21,709,555	26,931,164	24,761,552	27,478,670
1997	-	1,148,995	11,945,211	12,151,583	13,236,110	21,989,958	25,803,642	26,788,311	20,411,090	23,159,371	22,845,829	22,798,818
1998	-	10,399,457	10,394,844	18,003,892	26,362,950	31,652,064	35,115,737	33,410,951	35,650,627	39,805,216	39,807,831	41,530,503
1999	-	5,922,530	7,196,433	11,386,788	22,682,445	25,145,380	22,452,130	22,202,242	19,905,221	19,731,987	21,242,049	16,848,869
2000	-	8,996,218	20,434,809	20,065,381	23,519,926	13,394,769	12,627,524	13,679,447	13,164,518	12,881,425	16,435,910	15,083,582
2001	-	149,259	6,996,778	10,902,217	8,779,988	12,828,023	14,067,310	16,630,021	15,436,606	15,176,143	16,763,251	15,009,671
2002	-	5,698,921	13,247,681	25,241,541	24,598,962	29,422,446	33,366,628	38,129,558	52,394,608	49,761,590	57,163,292	54,953,276
2003	-	4,986	15,328	6,367,616	11,173,149	8,758,927	7,278,308	8,131,170	10,219,342	10,906,008	10,340,697	9,508,836
2004	-	156,614	6,171,433	11,476,366	19,054,005	23,261,165	21,735,765	17,121,341	17,278,276	15,741,685	16,223,432	16,052,394
2005	-	54,504	7,179,324	21,816,825	27,697,322	34,595,259	43,058,382	40,738,996	36,754,296	25,581,510	21,614,065	20,916,134
2006	-	2,993,692	6,486,419	18,281,553	28,609,237	34,300,033	39,770,264	36,009,282	35,109,014	36,454,986	36,709,351	36,123,266
2007	-	147,005	6,174,488	18,410,014	27,950,323	37,024,184	34,978,048	31,068,889	30,863,936	29,409,150	26,329,171	24,335,701
2008	-	4,571,231	20,779,117	29,742,936	41,360,152	39,501,366	43,157,413	43,420,047	44,701,881	40,300,985	39,471,811	37,688,744
2009	-	2,172,842	13,487,359	35,772,845	39,693,342	42,361,898	37,125,414	39,135,529	41,585,312	45,282,090	45,110,162	
2010	-	3,052,382	13,719,051	22,418,777	27,901,629	22,560,215	22,633,916	21,021,680	22,282,935	22,709,816		
2011	2,640,000	10,602,303	16,314,653	29,481,055	34,257,691	37,255,619	38,204,830	38,202,193	37,908,647			
2012	3,639,942	10,987,450	18,342,553	32,863,963	26,645,481	19,978,551	23,151,529	26,963,030				
2013	25,000	10,785,549	19,118,995	18,923,627	22,913,272	26,533,468	24,653,863					
2014	-	14,246,532	21,069,875	36,414,307	34,920,329	34,016,166						
2015	-	2,165,677	12,542,272	25,827,348	38,152,597							
2016	2,640,000	113,987	2,651,613	6,363,958								
2017	-	5,613,758	18,092,053									
2018	-	13,656,256										
2019	30,000											

Notes: (a) Historical cost level case outstanding by birth year and maturity as shown in Exhibit IX, Sheets 4a, 4b and 4c is adjusted to birth level cost level using factors shown in Exhibit IX, Sheets 8a, 8b and 8c.

**Case Outstanding Loss & ALAE - Adjusted to Birth Year Cost Level (a)**

Year of Birth	147	159	171	183	195	207	219	231	243	255	267	279
1989	8,621,730	14,665,259	9,991,598	10,363,764	11,012,086	12,474,522	15,960,039	15,141,477	14,022,261	12,149,426	12,437,598	11,628,195
1990	13,834,869	16,652,683	15,710,834	16,465,775	16,020,753	13,110,104	9,442,168	8,936,475	7,739,134	5,281,106	5,241,575	5,449,740
1991	11,525,154	10,786,492	12,875,096	12,997,209	14,681,021	16,303,446	16,921,345	15,167,751	14,939,485	15,313,627	16,709,290	14,908,048
1992	19,364,768	19,759,115	24,656,098	32,167,230	31,649,514	31,645,099	31,969,040	31,586,957	31,752,092	33,678,160	30,641,219	28,381,438
1993	43,368,517	44,921,499	40,588,058	36,967,811	30,144,282	28,003,078	28,112,823	24,038,599	25,142,885	20,876,277	20,274,735	20,047,497
1994	7,036,956	7,767,871	7,107,981	9,632,114	8,913,720	9,164,538	10,759,122	11,123,929	10,766,009	10,575,187	10,675,424	9,678,710
1995	20,729,890	18,800,056	21,271,519	22,033,504	19,774,830	18,069,911	16,443,611	17,352,039	16,984,975	16,329,491	16,019,889	16,249,501
1996	26,384,403	24,666,429	22,819,566	22,474,911	14,839,202	16,637,224	15,635,980	15,371,427	15,260,841	16,127,955	15,172,444	14,645,761
1997	22,213,269	27,622,846	31,396,338	28,988,073	26,707,921	24,549,238	22,875,192	22,503,735	20,833,989	20,230,120	20,287,314	
1998	38,712,195	43,763,726	41,502,050	42,678,641	43,224,555	42,911,930	43,081,758	39,551,948	34,955,601	35,692,557		
1999	19,724,525	16,267,278	15,620,624	15,516,415	12,220,318	12,175,182	10,753,009	10,667,148	10,794,610			
2000	11,341,183	13,216,354	10,915,457	10,877,745	10,571,645	10,443,385	11,311,148	10,922,792				
2001	16,973,873	15,906,782	16,200,838	16,004,088	16,174,464	16,010,433	16,071,944					
2002	48,063,377	46,301,860	45,967,259	41,772,065	39,885,073	38,535,915						
2003	9,543,343	8,913,830	8,600,254	10,152,019	8,655,793							
2004	15,686,729	16,355,948	17,264,802	17,579,469								
2005	20,629,900	19,694,650	19,789,147									
2006	31,593,651	31,696,979										
2007	24,136,655											
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Notes: (a) Historical cost level case outstanding by birth year and maturity as shown in Exhibit IX, Sheets 4a, 4b and 4c is adjusted to birth level cost level using factors shown in Exhibit IX, Sheets 8a, 8b and 8c.



**Case Outstanding Loss & ALAE - Adjusted to Birth Year Cost Level (a)**

Year of Birth	291	303	315	327	339	351	363
1989	11,512,651	10,193,942	9,139,716	9,050,472	8,179,886	7,808,409	8,268,208
1990	4,557,206	4,094,246	4,009,792	2,932,841	4,261,505	4,100,434	
1991	14,736,796	14,597,269	14,318,479	13,355,056	13,101,342		
1992	27,844,960	26,892,815	26,584,836	25,329,664			
1993	18,924,189	17,770,837	19,061,965				
1994	9,539,952	9,497,449					
1995	16,194,047						
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Notes: (a) Historical cost level case outstanding by birth year and maturity as shown in Exhibit IX, Sheets 4a, 4b and 4c is adjusted to birth level cost level using factors shown in Exhibit IX, Sheets 8a, 8b and 8c.





**Incremental Paid Loss & ALAE - Actual**

Year of Birth	291	303	315	327	339	351	363
1989	426,612	585,218	555,244	640,061	550,527	323,911	371,979
1990	243,905	310,741	201,822	189,604	194,016	261,952	
1991	556,493	501,132	502,325	591,311	568,686		
1992	836,912	837,049	920,293	903,070			
1993	873,725	819,844	987,502				
1994	280,549	244,822					
1995	536,297						
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**Case Outstanding Loss & ALAE - Actual**

Year of Birth	291	303	315	327	339	351	363
1989	15,863,537	14,129,260	12,691,548	12,589,175	11,606,501	11,104,092	11,781,000
1990	6,265,839	5,639,741	5,532,879	4,128,060	6,011,555	5,795,674	
1991	20,150,681	19,994,125	20,005,791	18,701,264	18,381,938		
1992	37,943,597	37,381,456	37,035,683	35,356,238			
1993	26,184,987	24,643,897	26,486,186				
1994	13,175,665	13,142,668					
1995	22,324,521						
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Incurring Loss & ALAE - Actual - Without Retroactive Payments

Year of Birth -----	291 -----	303 -----	315 -----	327 -----	339 -----	351 -----	363 -----
1989	27,284,465	26,135,406	25,252,938	25,790,626	25,358,479	25,179,981	26,228,868
1990	10,678,914	10,363,557	10,458,516	9,243,301	11,320,812	11,366,883	
1991	26,645,315	26,989,890	27,503,881	26,790,665	27,040,026		
1992	49,025,185	49,300,093	49,874,613	49,098,238			
1993	44,051,704	43,330,459	46,160,250				
1994	19,829,729	20,041,554					
1995	32,123,018						
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Incurred Loss & ALAE - Actual - Without Retroactive Payments  
 Period to Period Development Factors

Year of Birth	3:15	15:27	27:39	39:51	51:63	63:75	75:87	87:99	99:111	111:123	123:135	135:147
1989				1.169	0.886	0.928	0.698	1.106	1.098	1.029	0.898	0.915
1990			1.774	0.843	1.404	0.626	1.007	0.805	0.971	1.018	1.045	1.197
1991		1.290	0.898	1.559	0.672	1.073	0.983	0.985	1.072	1.023	1.499	1.048
1992		1.120	3.439	0.443	1.049	0.873	1.042	1.047	0.967	1.253	1.076	1.069
1993		2.817	1.276	1.142	1.035	1.327	1.068	1.248	1.274	0.947	0.919	1.094
1994		0.664	1.576	1.165	1.236	1.795	1.023	0.906	0.624	0.966	1.088	1.101
1995		1.996	4.340	1.381	0.907	1.297	1.236	1.006	1.033	1.077	1.151	1.034
1996		3.486	1.871	1.097	1.973	1.551	0.932	1.025	1.277	0.946	1.153	0.979
1997		10.820	1.051	1.109	1.638	1.194	1.052	0.829	1.140	1.038	1.016	1.036
1998		1.074	1.759	1.471	1.206	1.116	1.033	1.082	1.167	1.016	1.096	0.960
1999		1.275	1.555	1.942	1.128	0.960	1.012	0.972	1.032	1.128	0.854	1.163
2000		2.288	1.011	1.187	0.638	0.970	1.125	0.982	1.029	1.245	0.945	0.805
2001		28.090	1.612	0.897	1.442	1.186	1.184	0.989	1.000	1.103	0.931	1.209
2002		2.400	2.002	1.009	1.265	1.146	1.213	1.360	0.972	1.151	1.064	0.909
2003		2.285	14.481	1.787	0.824	0.936	1.120	1.235	1.082	1.054	0.953	1.031
2004		41.035	1.990	1.655	1.272	0.958	0.822	1.029	1.009	1.046	1.006	0.995
2005		138.491	3.149	1.352	1.259	1.265	0.968	1.004	0.739	0.881	0.989	1.019
2006		2.268	2.923	1.599	1.215	1.200	1.012	0.997	1.048	1.020	1.017	0.909
2007		27.019	2.945	1.538	1.331	1.059	0.925	1.017	0.983	0.950	0.963	1.017
2008		4.639	1.457	1.405	1.055	1.103	1.019	1.042	0.938	0.998	0.972	
2009		5.686	2.650	1.233	1.081	0.897	1.069	1.104	1.092	1.010		
2010		4.677	1.750	1.264	0.828	1.011	0.961	1.063	1.025			
2011	4.040	1.708	1.863	1.173	1.106	1.059	1.016	1.008				
2012	3.321	1.698	1.821	0.836	0.791	1.159	1.168					
2013	439.316	1.838	1.044	1.247	1.168	0.959						
2014		1.532	1.774	0.999	1.006							
2015		6.147	2.099	1.501								
2016	0.183	6.675	2.207									
2017		3.244										
2018												
Simple Avg. - Incremental	111.715	11.343	2.456	1.259	1.131	1.106	1.029	1.037	1.026	1.043	1.032	1.026
Wtd Avg. All - Incremental		2.347	1.829	1.190	1.100	1.082	1.023	1.051	1.026	1.031	1.014	1.004
Wtd Latest Five - Incremental		2.293	1.673	1.119	0.980	1.002	1.043	1.046	1.016	0.979	0.989	0.980
Wtd Latest Three - Incremental		4.186	1.922	1.217	0.980	1.053	1.044	1.058	1.016	0.989	0.986	0.971
Wtd Avg. All - Cumulative		9.259	3.945	2.157	1.813	1.648	1.523	1.489	1.417	1.382	1.341	1.322
Wtd Latest Five - Cumulative		5.191	2.264	1.353	1.210	1.234	1.232	1.181	1.129	1.111	1.135	1.147

Incurred Loss & ALAE - Actual - Without Retroactive Payments  
 Period to Period Development Factors

Year of Birth -----	147:159 -----	159:171 -----	171:183 -----	183:195 -----	195:207 -----	207:219 -----	219:231 -----	231:243 -----	243:255 -----	255:267 -----	267:279 -----	279:291 -----
1989	1.408	0.806	1.041	1.086	1.104	1.224	0.980	0.987	0.927	1.027	0.981	1.067
1990	1.190	0.965	1.101	0.999	0.893	0.781	1.000	0.909	0.784	1.010	1.102	0.919
1991	0.955	1.227	1.025	1.170	1.119	1.102	0.934	1.014	1.042	1.201	0.935	1.014
1992	1.072	1.226	1.321	0.999	1.050	1.023	1.008	1.022	1.149	0.945	0.959	1.004
1993	1.054	0.970	0.941	0.895	0.962	1.023	0.912	1.122	0.905	1.005	1.014	0.997
1994	1.105	0.952	1.281	0.958	1.033	1.132	1.105	0.992	1.002	1.020	0.959	1.006
1995	0.935	1.176	1.038	0.958	0.944	1.013	1.070	1.007	0.993	1.025	1.031	1.016
1996	0.990	0.949	1.004	0.735	1.186	0.971	1.003	1.010	1.072	0.973	0.993	
1997	1.233	1.137	0.952	1.034	0.952	0.960	1.004	0.972	0.994	1.019		
1998	1.133	0.977	1.124	1.036	1.014	1.022	0.968	0.931	1.037			
1999	0.892	1.059	1.022	0.876	1.018	0.958	1.012	1.023				
2000	1.236	0.877	1.016	0.994	1.022	1.079	0.993					
2001	0.971	1.033	1.012	1.040	1.009	1.022						
2002	0.985	1.011	0.954	0.980	0.990							
2003	0.977	1.013	1.159	0.907								
2004	1.065	1.060	1.030									
2005	0.981	1.022										
2006	1.018											
2007												
2008												
2009												
2010												
2011												
2012												
2013												
2014												
2015												
2016												
2017												
2018												
Simple Avg. - Incremental	1.067	1.027	1.064	0.978	1.021	1.024	0.999	0.999	0.991	1.025	0.997	1.003
Wtd Avg. All - Incremental	1.050	1.021	1.042	0.973	1.011	1.019	0.990	0.999	1.008	1.014	0.988	1.009
Wtd Latest Five - Incremental	1.002	1.024	1.004	0.965	1.007	1.005	0.990	0.975	1.022	1.008	0.991	1.006
Wtd Latest Three - Incremental	1.017	1.033	1.000	0.983	1.000	1.014	0.982	0.960	1.032	1.007	0.999	1.005
Wtd Avg. All - Cumulative	1.317	1.254	1.228	1.179	1.212	1.199	1.176	1.188	1.188	1.179	1.163	1.177
Wtd Latest Five - Cumulative	1.170	1.168	1.141	1.136	1.178	1.170	1.164	1.176	1.207	1.180	1.171	1.182

Incurred Loss & ALAE - Actual - Without Retroactive Payments  
 Period to Period Development Factors

Year of Birth -----	291:303 -----	303:315 -----	315:327 -----	327:339 -----	339:351 -----	351:363 -----	363:Ult. -----
1989	0.958	0.966	1.021	0.983	0.993	1.042	
1990	0.970	1.009	0.884	1.225	1.004		
1991	1.013	1.019	0.974	1.009			
1992	1.006	1.012	0.984				
1993	0.984	1.065					
1994	1.011						
1995							
1996							
1997							
1998							
1999							
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2015							
2016							
2017							
2018							
Simple Avg. - Incremental	0.990	1.014	0.966	1.072	0.999	1.042	
Wtd Avg. All - Incremental	0.992	1.020	0.981	1.031	0.996	1.042	
Wtd Latest Five - Incremental	0.999	1.020	0.981	1.031	0.996	1.042	
Wtd Latest Three - Incremental	0.998	1.033	0.969	1.031	0.996	1.042	
Wtd Avg. All - Cumulative	1.167	1.176	1.153	1.176	1.141	1.145	1.099
Wtd Latest Five - Cumulative	1.175	1.176	1.153	1.176	1.141	1.145	1.099





Paid Loss & ALAE - Actual - Without Retroactive Payments

Year of Birth	291	303	315	327	339	351	363
1989	11,420,928	12,006,146	12,561,390	13,201,451	13,751,978	14,075,890	14,447,869
1990	4,413,075	4,723,816	4,925,637	5,115,242	5,309,257	5,571,210	
1991	6,494,634	6,995,766	7,498,091	8,089,402	8,658,088		
1992	11,081,588	11,918,637	12,838,930	13,742,000			
1993	17,866,717	18,686,561	19,674,063				
1994	6,654,064	6,898,885					
1995	9,798,498						
1996							
1997							
1998							
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2017							
2018							
2019							



Paid Loss & ALAE - Actual - Without Retroactive Payments  
 Period to Period Development Factors

Year of Birth	3:15	15:27	27:39	39:51	51:63	63:75	75:87	87:99	99:111	111:123	123:135	135:147
1989				1.578	1.458	1.141	1.097	1.106	1.133	1.066	1.067	1.228
1990			2.515	1.060	1.306	1.148	1.100	1.051	1.064	1.039	1.037	1.051
1991		105.328	1.174	2.558	1.471	1.137	1.083	1.040	1.030	1.085	1.071	1.093
1992		21.693	3.649	2.044	1.237	1.144	1.101	1.086	1.060	1.068	1.073	1.094
1993		128.061	4.257	1.680	1.550	1.300	1.252	1.193	1.167	1.150	1.115	1.093
1994		3.803	1.655	1.397	1.153	1.382	1.107	1.108	1.057	1.016	1.065	1.134
1995		52.204	5.721	1.550	1.066	1.082	1.109	1.061	1.126	1.127	1.352	1.098
1996		148.104	1.350	1.629	1.201	1.404	1.189	1.097	1.103	1.098	1.075	1.084
1997		46.752	1.654	1.301	1.337	1.409	1.170	1.114	1.107	1.067	1.111	1.146
1998		22.773	2.029	1.499	1.216	1.151	1.406	1.130	1.142	1.095	1.131	1.124
1999		1.893	1.318	1.445	1.325	1.189	1.132	1.194	1.233	1.141	1.112	1.125
2000		2.539	1.645	1.349	1.155	1.096	1.060	1.071	1.065	1.056	1.105	1.075
2001		4.250	2.291	1.392	1.257	1.432	1.163	1.094	1.068	1.079	1.078	1.081
2002		5.568	2.060	1.500	1.403	1.216	1.405	1.194	1.165	1.125	1.136	1.140
2003		2.263	1.215	1.191	1.450	1.572	1.114	1.099	1.144	1.125	1.102	1.146
2004		96.460	2.704	1.475	1.211	1.273	1.179	1.145	1.065	1.103	1.095	1.082
2005		990.750	33.555	2.070	1.359	1.538	1.218	1.147	1.103	1.088	1.079	1.073
2006		151.367	2.362	2.435	1.453	1.757	1.196	1.140	1.106	1.097	1.103	1.097
2007		5.277	2.452	1.731	1.334	1.310	1.208	1.163	1.148	1.125	1.108	1.094
2008		69.984	2.593	1.654	1.222	1.185	1.238	1.212	1.193	1.176	1.113	
2009		2.206	2.403	1.525	1.197	1.171	1.207	1.296	1.096	1.099		
2010		8.853	1.172	1.515	1.125	1.077	1.110	1.073	1.066			
2011		12.336	5.594	1.419	1.459	1.274	1.203	1.159				
2012	389.211	11.787	3.840	1.699	1.240	1.129	1.178					
2013		6.885	2.132	1.359	1.233	1.196						
2014		5.833	2.006	1.717	1.325							
2015		860.371	2.953	1.861								
2016		1.390	1.153									
2017		3.735										
2018												
Simple Avg. - Incremental	389.211	102.684	3.609	1.616	1.298	1.269	1.176	1.129	1.111	1.096	1.106	1.108
Wtd Avg. All - Incremental		4.817	2.133	1.574	1.292	1.262	1.189	1.143	1.120	1.101	1.105	1.112
Wtd Latest Five - Incremental		4.254	2.214	1.605	1.278	1.175	1.191	1.190	1.123	1.114	1.100	1.094
Wtd Latest Three - Incremental		3.109	2.037	1.629	1.274	1.203	1.169	1.197	1.119	1.128	1.107	1.089
Wtd Avg. All - Cumulative		435.358	90.388	42.368	26.925	20.844	16.518	13.887	12.146	10.849	9.850	8.913
Wtd Latest Five - Cumulative		389.112	91.472	41.308	25.739	20.141	17.139	14.392	12.095	10.770	9.665	8.783

Paid Loss & ALAE - Actual - Without Retroactive Payments  
 Period to Period Development Factors

Year of Birth -----	147:159 -----	159:171 -----	171:183 -----	183:195 -----	195:207 -----	207:219 -----	219:231 -----	231:243 -----	243:255 -----	255:267 -----	267:279 -----	279:291 -----
1989	1.033	1.058	1.042	1.047	1.049	1.041	1.034	1.022	1.029	1.027	1.043	1.039
1990	1.068	1.111	1.112	1.111	1.092	1.037	1.033	1.030	1.038	1.031	1.037	1.059
1991	1.074	1.067	1.076	1.070	1.138	1.227	1.169	1.147	1.101	1.212	1.089	1.094
1992	1.079	1.071	1.064	1.070	1.080	1.083	1.107	1.087	1.069	1.104	1.096	1.082
1993	1.110	1.096	1.067	1.068	1.061	1.068	1.058	1.063	1.073	1.064	1.053	1.051
1994	1.015	1.017	1.038	1.032	1.035	1.028	1.027	1.043	1.048	1.043	1.041	1.044
1995	1.122	1.134	1.032	1.339	1.061	1.064	1.103	1.098	1.085	1.093	1.068	1.058
1996	1.074	1.080	1.088	1.082	1.053	1.061	1.057	1.055	1.057	1.058	1.056	
1997	1.149	1.114	1.105	1.149	1.079	1.065	1.067	1.062	1.052	1.055		
1998	1.126	1.113	1.099	1.120	1.099	1.090	1.086	1.077	1.076			
1999	1.103	1.069	1.079	1.073	1.051	1.048	1.037	1.034				
2000	1.067	1.085	1.077	1.061	1.066	1.061	1.066					
2001	1.096	1.084	1.091	1.070	1.064	1.070						
2002	1.104	1.100	1.087	1.074	1.071							
2003	1.139	1.105	1.092	1.069								
2004	1.069	1.068	1.078									
2005	1.076	1.073										
2006	1.077											
2007												
2008												
2009												
2010												
2011												
2012												
2013												
2014												
2015												
2016												
2017												
2018												
Simple Avg. - Incremental	1.088	1.085	1.077	1.096	1.071	1.073	1.070	1.065	1.063	1.076	1.061	1.061
Wtd Avg. All - Incremental	1.090	1.086	1.077	1.090	1.069	1.067	1.066	1.062	1.064	1.070	1.061	1.059
Wtd Latest Five - Incremental	1.090	1.087	1.086	1.071	1.073	1.069	1.065	1.064	1.066	1.063	1.063	1.063
Wtd Latest Three - Incremental	1.075	1.079	1.086	1.072	1.068	1.058	1.066	1.060	1.065	1.067	1.057	1.052
Wtd Avg. All - Cumulative	8.014	7.356	6.776	6.290	5.770	5.398	5.059	4.744	4.466	4.199	3.924	3.699
Wtd Latest Five - Cumulative	8.030	7.366	6.775	6.241	5.828	5.433	5.081	4.771	4.482	4.205	3.955	3.720

Paid Loss & ALAE - Actual - Without Retroactive Payments  
 Period to Period Development Factors

Year of Birth -----	291:303 -----	303:315 -----	315:327 -----	327:339 -----	339:351 -----	351:363 -----	363:Ult. -----
1989	1.051	1.046	1.051	1.042	1.024	1.026	
1990	1.070	1.043	1.038	1.038	1.049		
1991	1.077	1.072	1.079	1.070			
1992	1.076	1.077	1.070				
1993	1.046	1.053					
1994	1.037						
1995							
1996							
1997							
1998							
1999							
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2001							
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2008							
2009							
2010							
2011							
2012							
2013							
2014							
2015							
2016							
2017							
2018							
Simple Avg. - Incremental	1.060	1.058	1.060	1.050	1.036	1.026	
Wtd Avg. All - Incremental	1.057	1.058	1.061	1.050	1.031	1.026	
Wtd Latest Five - Incremental	1.058	1.058	1.061	1.050	1.031	1.026	
Wtd Latest Three - Incremental	1.053	1.064	1.067	1.050	1.031	1.026	
Wtd Avg. All - Cumulative	3.494	3.306	3.124	2.943	2.804	2.720	2.650
Wtd Latest Five - Cumulative	3.499	3.306	3.124	2.943	2.804	2.720	2.650

**Incremental Paid Loss & ALAE - Inflation Factors - Based on Accident Year Factors**

Year of Birth C.Y Ending	1989 3/31/1989	1990 3/31/1990	1991 3/31/1991	1992 3/31/1992	1993 3/31/1993	1994 3/31/1994	1995 3/31/1995	1996 3/31/1996	1997 3/31/1997	1998 3/31/1998	1999 3/31/1999	2000 3/31/2000
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Assumptions:

I. Incremental Paid Inflation Per Year

A. Accident Year - 1/1 to 12/31 (a)	1.75%	1.75%	1.49%	1.46%	1.62%	1.30%	1.00%	1.09%	0.91%	0.92%	0.97%	0.98%
B. Accident Year - 4/1 to 3/31 (b)	1.75%	1.75%	1.68%	1.48%	1.50%	1.54%	1.22%	1.02%	1.04%	0.91%	0.93%	0.97%

II. Case O/S Inflation Per Year

A. Accident Year - 1/1 to 12/31 (a)	0.81%	0.81%	0.53%	0.47%	0.42%	0.39%	0.35%	0.37%	0.24%	0.26%	0.35%	0.42%
B. Accident Year - 4/1 to 3/31	0.81%	0.81%	0.74%	0.52%	0.46%	0.41%	0.38%	0.35%	0.34%	0.25%	0.28%	0.36%

III. Incurred Inflation Per Year - Wtd Avg. of Pd & O/S - ( 10 % / 90 %)

A. Accident Year - 1/1 to 12/31	0.90%	0.90%	0.63%	0.57%	0.54%	0.48%	0.41%	0.44%	0.31%	0.32%	0.41%	0.47%
B. Accident Year - 4/1 to 3/31	0.90%	0.90%	0.83%	0.61%	0.56%	0.52%	0.46%	0.42%	0.41%	0.31%	0.35%	0.42%

Year of Birth	3	15	27	39	51	63	75	87	99	111	123	135
1989	1.000	1.017	1.035	1.050	1.066	1.082	1.095	1.107	1.118	1.128	1.139	1.150
1990	1.000	1.017	1.032	1.047	1.063	1.077	1.088	1.099	1.109	1.119	1.130	1.141
1991	1.000	1.015	1.030	1.046	1.059	1.070	1.081	1.091	1.101	1.111	1.122	1.135
1992	1.000	1.015	1.031	1.043	1.054	1.065	1.075	1.085	1.095	1.106	1.118	1.131
1993	1.000	1.015	1.028	1.038	1.049	1.059	1.069	1.079	1.090	1.102	1.114	1.127
1994	1.000	1.012	1.023	1.033	1.043	1.052	1.063	1.073	1.085	1.097	1.109	1.125
1995	1.000	1.010	1.021	1.030	1.040	1.050	1.060	1.072	1.084	1.096	1.112	1.126
1996	1.000	1.010	1.020	1.029	1.039	1.049	1.061	1.073	1.085	1.100	1.115	1.127
1997	1.000	1.009	1.019	1.028	1.039	1.050	1.062	1.074	1.089	1.103	1.115	1.128
1998	1.000	1.009	1.019	1.029	1.040	1.053	1.064	1.079	1.093	1.105	1.118	1.229
1999	1.000	1.010	1.020	1.031	1.043	1.054	1.069	1.083	1.095	1.108	1.218	1.270
2000	1.000	1.010	1.021	1.033	1.044	1.059	1.073	1.084	1.097	1.206	1.257	1.268
2001	1.000	1.011	1.023	1.034	1.048	1.062	1.073	1.086	1.194	1.245	1.255	1.267
2002	1.000	1.012	1.023	1.037	1.051	1.062	1.074	1.181	1.232	1.242	1.254	1.263
2003	1.000	1.011	1.025	1.039	1.050	1.062	1.168	1.217	1.228	1.239	1.248	1.255
2004	1.000	1.014	1.027	1.038	1.051	1.155	1.204	1.214	1.226	1.235	1.242	1.248
2005	1.000	1.013	1.024	1.036	1.139	1.188	1.197	1.209	1.218	1.224	1.231	1.236
2006	1.000	1.011	1.023	1.124	1.172	1.182	1.193	1.202	1.209	1.215	1.220	1.229
2007	1.000	1.012	1.112	1.160	1.170	1.181	1.189	1.196	1.202	1.207	1.216	1.223
2008	1.000	1.100	1.146	1.156	1.167	1.175	1.182	1.188	1.193	1.202	1.208	1.214
2009	1.000	1.043	1.051	1.061	1.069	1.075	1.080	1.085	1.093	1.099	1.104	
2010	1.000	1.008	1.018	1.025	1.031	1.036	1.041	1.048	1.054	1.059		
2011	1.000	1.009	1.017	1.022	1.028	1.032	1.040	1.045	1.050			
2012	1.000	1.007	1.013	1.018	1.023	1.030	1.036	1.040				
2013	1.000	1.006	1.011	1.015	1.023	1.028	1.033					
2014	1.000	1.005	1.010	1.017	1.022	1.027						
2015	1.000	1.004	1.012	1.017	1.022							
2016	1.000	1.007	1.013	1.017								
2017	1.000	1.005	1.010									
2018	1.000	1.004										
2019	1.000											

Note: (a) See Appendix B, Exhibits I and II.

(b) These are interpolated inflation factors. Except for calendar years ending 3/31/08, 3/31/09, 3/31/10, 3/31/16, and 3/31/17, they are not interpolated due to the change in hourly rate for nursing care by parents and LPN from \$9.70 to \$15.00 and from \$24.45 to \$25.40 occurred for paid effective July 1, 2008 and July 1, 2016, respectively.

**Incremental Paid Loss & ALAE - Inflation Factors - Based on Accident Year Factors**

Year of Birth C.Y Ending	2001 3/31/2001	2002 3/31/2002	2003 3/31/2003	2004 3/31/2004	2005 3/31/2005	2006 3/31/2006	2007 3/31/2007	2008 3/31/2008	2009 3/31/2009	2010 3/31/2010	2011 3/31/2011	2012 3/31/2012
<b>Assumptions:</b>												
<b>I. Incremental Paid Inflation Per Year</b>												
A. Accident Year - 1/1 to 12/31 (a)	1.05%	1.22%	0.99%	1.42%	1.41%	0.99%	1.32%	6.50%	7.62%	0.78%	1.00%	0.78%
B. Accident Year - 4/1 to 3/31 (b)	0.99%	1.09%	1.16%	1.09%	1.41%	1.30%	1.07%	1.18%	9.95%	4.26%	0.84%	0.94%
<b>II. Case O/S Inflation Per Year</b>												
A. Accident Year - 1/1 to 12/31 (a)	0.30%	0.38%	0.29%	4.94%	0.87%	4.86%	0.50%	4.55%	0.35%	0.29%	0.42%	9.83%
B. Accident Year - 4/1 to 3/31	0.39%	0.32%	0.35%	0.29%	4.94%	0.87%	4.86%	0.50%	4.55%	0.33%	0.32%	0.42%
<b>III. Incurred Inflation Per Year - Wtd Avg. of Pd &amp; O/S - ( 10 % / 90 %)</b>												
A. Accident Year - 1/1 to 12/31	0.38%	0.46%	0.36%	4.59%	0.92%	4.47%	0.58%	4.75%	1.08%	0.34%	0.48%	8.92%
B. Accident Year - 4/1 to 3/31	0.45%	0.40%	0.43%	0.37%	4.59%	0.91%	4.48%	0.57%	5.09%	0.73%	0.37%	0.48%
<b>Year of Birth</b>	<b>147</b>	<b>159</b>	<b>171</b>	<b>183</b>	<b>195</b>	<b>207</b>	<b>219</b>	<b>231</b>	<b>243</b>	<b>255</b>	<b>267</b>	<b>279</b>
1989	1.161	1.174	1.188	1.201	1.217	1.233	1.247	1.261	1.387	1.446	1.458	1.472
1990	1.154	1.167	1.180	1.197	1.212	1.225	1.240	1.363	1.421	1.433	1.446	1.457
1991	1.148	1.160	1.177	1.192	1.205	1.219	1.340	1.397	1.409	1.422	1.433	1.441
1992	1.143	1.160	1.175	1.187	1.201	1.321	1.377	1.389	1.402	1.412	1.420	1.427
1993	1.142	1.157	1.170	1.184	1.301	1.357	1.368	1.381	1.391	1.399	1.406	1.412
1994	1.140	1.152	1.166	1.282	1.336	1.347	1.360	1.370	1.378	1.385	1.391	1.401
1995	1.138	1.151	1.266	1.320	1.331	1.344	1.353	1.361	1.368	1.374	1.384	1.391
1996	1.140	1.253	1.307	1.318	1.330	1.340	1.347	1.354	1.360	1.370	1.377	1.383
1997	1.240	1.293	1.304	1.316	1.326	1.333	1.340	1.346	1.356	1.363	1.369	
1998	1.281	1.292	1.304	1.314	1.321	1.328	1.334	1.344	1.351	1.357		
1999	1.280	1.292	1.302	1.309	1.316	1.321	1.331	1.338	1.344			
2000	1.280	1.289	1.296	1.303	1.309	1.318	1.325	1.331				
2001	1.276	1.284	1.290	1.296	1.305	1.312	1.318					
2002	1.270	1.276	1.282	1.291	1.298	1.304						
2003	1.262	1.267	1.277	1.283	1.289							
2004	1.254	1.263	1.269	1.275								
2005	1.245	1.252	1.257									
2006	1.236	1.241										
2007	1.228											
2008												
2009												
2010												
2011												
2012												
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2014												
2015												
2016												
2017												
2018												
2019												

Note: (a) See Appendix B, Exhibits I and II.

(b) These are interpolated inflation factors. Except for calendar years ending 3/31/08, 3/31/09, 3/31/10, 3/31/16, and 3/31/17, they are not interpolated due to the change in hourly rate for nursing care by parents and LPN from \$9.70 to \$15.00 and from \$24.45 to \$25.40 occurred for paid effective July 1, 2008 and July 1, 2016, respectively.

**Incremental Paid Loss & ALAE - Inflation Factors - Based on Accident Year Factors**

Year of Birth C.Y. Ending	2013 3/31/2013	2014 3/31/2014	2015 3/31/2015	2016 3/31/2016	2017 3/31/2017	2018 3/31/2018	2019 3/31/2019
<b>Assumptions:</b>							
<b>I. Incremental Paid Inflation Per Year</b>							
A. Accident Year - 1/1 to 12/31 (a)	0.57%	0.55%	0.40%	0.69%	0.59%	0.48%	0.32%
B. Accident Year - 4/1 to 3/31 (b)	0.73%	0.56%	0.51%	0.44%	0.73%	0.53%	0.44%
<b>II. Case O/S Inflation Per Year</b>							
A. Accident Year - 1/1 to 12/31 (a)	0.72%	0.19%	0.17%	2.01%	0.22%	0.22%	0.13%
B. Accident Year - 4/1 to 3/31	9.83%	0.59%	0.19%	0.17%	2.01%	0.22%	0.20%
<b>III. Incurred Inflation Per Year - Wtd Avg. of Pd &amp; O/S - ( 10 % / 90 % )</b>							
A. Accident Year - 1/1 to 12/31	0.71%	0.23%	0.19%	1.87%	0.26%	0.25%	0.14%
B. Accident Year - 4/1 to 3/31	8.92%	0.59%	0.22%	0.20%	1.88%	0.25%	0.22%
Year of Birth	291	303	315	327	339	351	363
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1989	1.482	1.491	1.498	1.505	1.516	1.524	1.531
1990	1.465	1.473	1.479	1.490	1.498	1.504	
1991	1.448	1.455	1.465	1.473	1.479		
1992	1.433	1.444	1.451	1.458			
1993	1.423	1.430	1.436				
1994	1.408	1.415					
1995	1.397						
1996							
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2018							
2019							

Note: (a) See Appendix B, Exhibits I and II.

(b) These are interpolated inflation factors. Except for calendar years ending 3/31/08, 3/31/09, 3/31/10, 3/31/16, and 3/31/17, they are not interpolated due to the change in hourly rate for nursing care by parents and LPN from \$9.70 to \$15.00 and from \$24.45 to \$25.40 occurred for paid effective July 1, 2008 and July 1, 2016, respectively.

**Case Outstanding Loss & ALAE - Inflation Factors - Based on Accident Year Factors**

Year of Birth C.Y Ending	1989 3/31/1989	1990 3/31/1990	1991 3/31/1991	1992 3/31/1992	1993 3/31/1993	1994 3/31/1994	1995 3/31/1995	1996 3/31/1996	1997 3/31/1997	1998 3/31/1998	1999 3/31/1999	2000 3/31/2000
Assumptions:												
I. Incremental Paid Inflation Per Year												
A. Accident Year - 1/1 to 12/31 (a)	1.75%	1.75%	1.49%	1.46%	1.62%	1.30%	1.00%	1.09%	0.91%	0.92%	0.97%	0.98%
B. Accident Year - 4/1 to 3/31 (b)	1.75%	1.75%	1.68%	1.48%	1.50%	1.54%	1.22%	1.02%	1.04%	0.91%	0.93%	0.97%
II. Case O/S Inflation Per Year												
A. Accident Year - 1/1 to 12/31 (a)	0.81%	0.81%	0.53%	0.47%	0.42%	0.39%	0.35%	0.37%	0.24%	0.26%	0.35%	0.42%
B. Accident Year - 4/1 to 3/31	0.81%	0.81%	0.74%	0.52%	0.46%	0.41%	0.38%	0.35%	0.34%	0.25%	0.28%	0.36%
III. Incurred Inflation Per Year - Wtd Avg. of Pd & O/S - ( 10 % / 90 %)												
A. Accident Year - 1/1 to 12/31	0.90%	0.90%	0.63%	0.57%	0.54%	0.48%	0.41%	0.44%	0.31%	0.32%	0.41%	0.47%
B. Accident Year - 4/1 to 3/31	0.90%	0.90%	0.83%	0.61%	0.56%	0.52%	0.46%	0.42%	0.41%	0.31%	0.35%	0.42%

Year of Birth	3	15	27	39	51	63	75	87	99	111	123	135
1989	1.000	1.008	1.016	1.021	1.025	1.030	1.034	1.037	1.041	1.043	1.046	1.050
1990	1.000	1.007	1.013	1.017	1.021	1.025	1.029	1.032	1.035	1.038	1.042	1.046
1991	1.000	1.005	1.010	1.014	1.018	1.021	1.025	1.027	1.030	1.034	1.038	1.041
1992	1.000	1.005	1.009	1.013	1.016	1.019	1.022	1.025	1.029	1.033	1.036	1.040
1993	1.000	1.004	1.008	1.011	1.015	1.017	1.020	1.024	1.028	1.031	1.035	1.038
1994	1.000	1.004	1.007	1.011	1.013	1.016	1.020	1.024	1.027	1.031	1.034	1.038
1995	1.000	1.004	1.007	1.009	1.012	1.016	1.020	1.023	1.027	1.030	1.034	1.038
1996	1.000	1.003	1.006	1.009	1.012	1.016	1.019	1.023	1.026	1.029	1.033	1.036
1997	1.000	1.002	1.005	1.009	1.013	1.016	1.020	1.023	1.027	1.030	1.034	1.038
1998	1.000	1.003	1.006	1.010	1.014	1.017	1.020	1.023	1.027	1.030	1.034	1.038
1999	1.000	1.004	1.008	1.011	1.014	1.017	1.020	1.023	1.027	1.030	1.034	1.038
2000	1.000	1.004	1.007	1.011	1.014	1.017	1.020	1.023	1.027	1.030	1.034	1.038
2001	1.000	1.003	1.007	1.010	1.014	1.017	1.020	1.023	1.027	1.030	1.034	1.038
2002	1.000	1.004	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006
2003	1.000	1.003	1.005	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006
2004	1.000	1.004	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006	1.006
2005	1.000	1.009	1.058	1.063	1.111	1.115	1.119	1.123	1.234	1.241	1.243	1.246
2006	1.000	1.049	1.054	1.102	1.105	1.109	1.114	1.223	1.230	1.233	1.235	1.260
2007	1.000	1.005	1.051	1.054	1.058	1.062	1.167	1.173	1.176	1.178	1.201	1.204
2008	1.000	1.046	1.049	1.052	1.057	1.161	1.168	1.170	1.172	1.195	1.198	1.200
2009	1.000	1.003	1.007	1.011	1.110	1.117	1.119	1.121	1.143	1.146	1.148	
2010	1.000	1.003	1.007	1.106	1.113	1.115	1.117	1.139	1.142	1.144		
2011	1.000	1.004	1.103	1.109	1.112	1.113	1.136	1.138	1.141			
2012	1.000	1.098	1.105	1.107	1.109	1.131	1.133	1.136				
2013	1.000	1.006	1.008	1.009	1.030	1.032	1.034					
2014	1.000	1.002	1.004	1.024	1.026	1.028						
2015	1.000	1.002	1.022	1.024	1.026							
2016	1.000	1.020	1.022	1.024								
2017	1.000	1.002	1.004									
2018	1.000	1.002										
2019	1.000											

Note: (a) See Appendix B, Exhibits I and II.

(b) These are interpolated inflation factors. Except for calendar years ending 3/31/08, 3/31/09, 3/31/10, 3/31/16, and 3/31/17, they are not interpolated due to the change in hourly rate for nursing care by parents and LPN from \$9.70 to \$15.00 and from \$24.45 to \$25.40 occurred for paid effective July 1, 2008 and July 1, 2016, respectively.

**Case Outstanding Loss & ALAE - Inflation Factors - Based on Accident Year Factors**

Year of Birth C.Y Ending	2001 3/31/2001	2002 3/31/2002	2003 3/31/2003	2004 3/31/2004	2005 3/31/2005	2006 3/31/2006	2007 3/31/2007	2008 3/31/2008	2009 3/31/2009	2010 3/31/2010	2011 3/31/2011	2012 3/31/2012
Assumptions:												
I. Incremental Paid Inflation Per Year												
A. Accident Year - 1/1 to 12/31 (a)	1.05%	1.22%	0.99%	1.42%	1.41%	0.99%	1.32%	6.50%	7.62%	0.78%	1.00%	0.78%
B. Accident Year - 4/1 to 3/31 (b)	0.99%	1.09%	1.16%	1.09%	1.41%	1.30%	1.07%	1.18%	9.95%	4.26%	0.84%	0.94%
II. Case O/S Inflation Per Year												
A. Accident Year - 1/1 to 12/31 (a)	0.30%	0.38%	0.29%	4.94%	0.87%	4.86%	0.50%	4.55%	0.35%	0.29%	0.42%	9.83%
B. Accident Year - 4/1 to 3/31	0.39%	0.32%	0.35%	0.29%	4.94%	0.87%	4.86%	0.50%	4.55%	0.33%	0.32%	0.42%
III. Incurred Inflation Per Year - Wtd Avg. of Pd & O/S - ( 10 % / 90 %)												
A. Accident Year - 1/1 to 12/31	0.38%	0.46%	0.36%	4.59%	0.92%	4.47%	0.58%	4.75%	1.08%	0.34%	0.48%	8.92%
B. Accident Year - 4/1 to 3/31	0.45%	0.40%	0.43%	0.37%	4.59%	0.91%	4.48%	0.57%	5.09%	0.73%	0.37%	0.48%

Year of Birth -----	147 -----	159 -----	171 -----	183 -----	195 -----	207 -----	219 -----	231 -----	243 -----	255 -----	267 -----	279 -----
1989	1.054	1.057	1.061	1.064	1.117	1.126	1.181	1.187	1.241	1.245	1.249	1.255
1990	1.049	1.053	1.056	1.108	1.117	1.172	1.178	1.231	1.235	1.239	1.245	1.367
1991	1.045	1.048	1.100	1.109	1.163	1.169	1.222	1.226	1.230	1.235	1.357	1.365
1992	1.043	1.094	1.104	1.157	1.163	1.216	1.220	1.224	1.229	1.350	1.358	1.360
1993	1.089	1.099	1.152	1.158	1.210	1.214	1.218	1.223	1.344	1.352	1.354	1.356
1994	1.094	1.147	1.153	1.205	1.209	1.213	1.218	1.338	1.346	1.349	1.351	1.378
1995	1.143	1.149	1.201	1.205	1.209	1.214	1.333	1.341	1.344	1.346	1.373	1.376
1996	1.145	1.197	1.201	1.204	1.210	1.328	1.336	1.339	1.341	1.368	1.371	1.374
1997	1.193	1.197	1.200	1.206	1.324	1.332	1.334	1.337	1.363	1.366	1.369	
1998	1.194	1.198	1.203	1.321	1.329	1.331	1.333	1.360	1.363	1.366		
1999	1.194	1.199	1.317	1.325	1.327	1.330	1.356	1.359	1.362			
2000	1.195	1.312	1.320	1.323	1.325	1.351	1.354	1.357				
2001	1.307	1.315	1.317	1.320	1.346	1.349	1.352					
2002	1.311	1.313	1.315	1.342	1.345	1.347						
2003	1.309	1.311	1.337	1.340	1.343							
2004	1.307	1.333	1.336	1.339								
2005	1.271	1.273	1.276									
2006	1.262	1.265										
2007	1.206											
2008												
2009												
2010												
2011												
2012												
2013												
2014												
2015												
2016												
2017												
2018												
2019												

Note: (a) See Appendix B, Exhibits I and II.

(b) These are interpolated inflation factors. Except for calendar years ending 3/31/08, 3/31/09, 3/31/10, 3/31/16, and 3/31/17, they are not interpolated due to the change in hourly rate for nursing care by parents and LPN from \$9.70 to \$15.00 and from \$24.45 to \$25.40 occurred for paid effective July 1, 2008 and July 1, 2016, respectively.



**Case Outstanding Loss & ALAE - Inflation Factors - Based on Accident Year Factors**

Year of Birth C.Y Ending	2013 3/31/2013	2014 3/31/2014	2015 3/31/2015	2016 3/31/2016	2017 3/31/2017	2018 3/31/2018	2019 3/31/2019
<b>Assumptions:</b>							
<b>I. Incremental Paid Inflation Per Year</b>							
A. Accident Year - 1/1 to 12/31 (a)	0.57%	0.55%	0.40%	0.69%	0.59%	0.48%	0.32%
B. Accident Year - 4/1 to 3/31 (b)	0.73%	0.56%	0.51%	0.44%	0.73%	0.53%	0.44%
<b>II. Case O/S Inflation Per Year</b>							
A. Accident Year - 1/1 to 12/31 (a)	0.72%	0.19%	0.17%	2.01%	0.22%	0.22%	0.13%
B. Accident Year - 4/1 to 3/31	9.83%	0.59%	0.19%	0.17%	2.01%	0.22%	0.20%
<b>III. Incurred Inflation Per Year - Wtd Avg. of Pd &amp; O/S - ( 10 % / 90 % )</b>							
A. Accident Year - 1/1 to 12/31	0.71%	0.23%	0.19%	1.87%	0.26%	0.25%	0.14%
B. Accident Year - 4/1 to 3/31	8.92%	0.59%	0.22%	0.20%	1.88%	0.25%	0.22%

Year of Birth -----	291 -----	303 -----	315 -----	327 -----	339 -----	351 -----	363 -----
1989	1.378	1.386	1.389	1.391	1.419	1.422	1.425
1990	1.375	1.377	1.380	1.408	1.411	1.413	
1991	1.367	1.370	1.397	1.400	1.403		
1992	1.363	1.390	1.393	1.396			
1993	1.384	1.387	1.389				
1994	1.381	1.384					
1995	1.379						
1996							
1997							
1998							
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2018							
2019							

Note: (a) See Appendix B, Exhibits I and II.

(b) These are interpolated inflation factors. Except for calendar years ending 3/31/08, 3/31/09, 3/31/10, 3/31/16, and 3/31/17, they are not interpolated due to the change in hourly rate for nursing care by parents and LPN from \$9.70 to \$15.00 and from \$24.45 to \$25.40 occurred for paid effective July 1, 2008 and July 1, 2016, respectively.

Ultimate Accepted Claim Counts  
Evaluated As of March 31, 2019

Year of Birth	Reported Accepted Claim Counts				Ratio of AAD & AAA to the Combined [(3)+(4)]/(5)	IBNR Accepted Claim Counts		Ultimate Accepted Claim Counts AAD & AAA Only (3)+(4)+(9)
	DA (a)	AAD (b)	AAA (c)	Combined (2)+(3)+(4)		All Accepted Claim Counts	AAD & AAA Only (8) x (7)	
(1)	(2)	(3)	(4)	(5)	(6)	(8)	(9)	(10)
1989	4	7	4	15	73%	-	-	11
1990	3	4	3	10	70%	-	-	7
1991	4	-	4	8	50%	-	-	4
1992	1	4	9	14	93%	-	-	13
1993	2	5	8	15	87%	-	-	13
1994	9	3	4	16	44%	-	-	7
1995	5	1	5	11	55%	-	-	6
1996	10	1	6	17	41%	-	-	7
1997	6	3	8	17	65%	-	-	11
1998	3	4	11	18	83%	-	-	15
1999	9	6	3	18	50%	-	-	9
2000	7	1	5	13	46%	-	-	6
2001	9	-	4	13	31%	-	-	4
2002	5	4	13	22	77%	-	-	17
2003	6	-	3	9	33%	-	-	3
2004	7	1	5	13	46%	-	-	6
2005	2	4	7	13	85%	-	-	11
2006	1	3	9	13	92%	-	-	12
2007	5	3	7	15	67%	-	-	10
2008	1	1	9	11	91%	-	-	10
2009	6	1	10	17	65%	-	-	11
2010	6	1	5	12	50%	-	-	6
2011	2	2	10	14	86%	-	-	12
2012	4	-	7	11	64%	-	-	7
2013	3	1	7	11	73%	-	-	8
2014	3	-	12	15	80%	1.00	1.00	13
2015	6	1	10	17	65%	2.00	2.00	13
2016	3	-	3	6	50%	8.00	6.00	9
2017	2	1	7	10	80%	10.00	8.00	16
2018	-	-	5	5	100%	14.00	11.00	16
2019 (3 Mo)	-	-	-	-	-	5.00	4.00	4
Totals All:	134	62	203	399	66%	40	32	297
Latest 3	2	1	12	15	87%	29	23	36
Latest 5	11	2	25	38	71%	39	31	58
Latest 10	29	6	66	101	71%	40	32	104
Latest 15	44	18	108	170	74%	40	32	158
Latest 20	78	24	138	240	68%	40	32	194

(7) Selected Ratio of AAD & AAA to all accepted claims 75%

Notes: (a) The accepted claims shown in Column (2), DA, are claims where claimant was deceased prior to presentation of the claim to NICA.

(b) The accepted claims shown in Column (3), AAD, are claims that deceased after acceptance as of March 31, 2019.

(c) The accepted claims shown in Column (4), AAA, are accepted claims that are alive as of March 31, 2019.

Ultimate Accepted Claim Counts  
Evaluated As of March 31, 2019

Year of Birth	Actual (a) Accepted Claim Cts. @ 3/31/19	Reported Claim Cts. (b) @ 3/31/19	Loss Development Factors		Indicated Ultimate Reported Claim Cts. (3) x (5)	Ratio of Actual Accepted to Reported Claims (2) / (3)	Estimated Ultimate Accepted Claim Cts. (c)	Ratio of Ultimate Accepted to Ultimate Rept. Claims (8) / (6)	IBNR for All Accepted Claim Cts. (8) - (2)
			Incremental	Cumulative					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	15	32	1.000	1.000	32.0	0.46875	15	0.46875	-
1990	10	39	1.000	1.000	39.0	0.25641	10	0.25641	-
1991	8	38	1.000	1.000	38.0	0.21053	8	0.21053	-
1992	14	48	1.000	1.000	48.0	0.29167	14	0.29167	-
1993	15	40	1.000	1.000	40.0	0.37500	15	0.37500	-
1994	16	36	1.000	1.000	36.0	0.44444	16	0.44444	-
1995	11	26	1.000	1.000	26.0	0.42308	11	0.42308	-
1996	17	40	1.000	1.000	40.0	0.42500	17	0.42500	-
1997	17	47	1.000	1.000	47.0	0.36170	17	0.36170	-
1998	18	42	1.000	1.000	42.0	0.42857	18	0.42857	-
1999	18	40	1.000	1.000	40.0	0.45000	18	0.45000	-
2000	13	38	1.000	1.000	38.0	0.34211	13	0.34211	-
2001	13	41	1.000	1.000	41.0	0.31707	13	0.31707	-
2002	22	50	1.000	1.000	50.0	0.44000	22	0.44000	-
2003	9	23	1.000	1.000	23.0	0.39130	9	0.39130	-
2004	13	31	1.000	1.000	31.0	0.41935	13	0.41935	-
2005	13	41	1.000	1.000	41.0	0.31707	13	0.31707	-
2006	13	34	1.000	1.000	34.0	0.38235	13	0.38235	-
2007	15	36	1.000	1.000	36.0	0.41667	15	0.41667	-
2008	11	42	1.000	1.000	42.0	0.26190	11	0.26190	-
2009	17	50	1.000	1.000	50.0	0.34000	17	0.34000	-
2010	12	40	1.000	1.000	40.0	0.30000	12	0.30000	-
2011	14	44	1.005	1.005	44.2	0.31818	14	0.31660	-
2012	11	50	1.015	1.020	51.0	0.22000	11	0.21567	-
2013	11	32	1.015	1.035	33.1	0.34375	11	0.33200	-
2014	15	43	1.090	1.129	48.5		16	0.32971	1
2015	17	42	1.150	1.298	54.5		19	0.34856	2
2016	6	21	1.175	1.525	32.0		14	0.43717	8
2017	10	25	1.850	2.821	70.5		20	0.28357	10
2018	5	9	3.000	8.464	76.2		19	0.24944	14
2019 (3 Mo)	-	1	7.000	59.245	14.8		5	0.33758	5
Totals:	399	1,121			1,279		439		40

Notes:(a) Based on individual claim detail provided by NICA as of March 31, 2019.

(b) See Exhibit X, Sheets 2a and 2b.

(c) Based on Column (2) for birth years 2013 and prior. See Exhibit X, Sheet 1c, Column (16) for birth years 2014 and subsequent.

Development of Ultimate Accepted Claim Counts ( B/F Estimate)  
Evaluated As of March 31, 2019

Year of Birth	Actual (a) Accepted Claim Cts. @ 3/31/19	Reported (a) Claim Cts. @ 3/31/19	Insured Physicians	Claim Frequency per Insured Physician Based on :		Ratio of Accepted to Reported Claims (2) / (3)
				Accepted Claim Cts. (2) / (4)	Reported Claims (3) / (4)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1989	15	32	570	0.0263	0.0561	0.4688
1990	10	39	590	0.0169	0.0661	0.2564
1991	8	38	653	0.0123	0.0582	0.2105
1992	14	48	712	0.0197	0.0674	0.2917
1993	15	40	731	0.0205	0.0547	0.3750
1994	16	36	659	0.0243	0.0546	0.4444
1995	11	26	682	0.0161	0.0381	0.4231
1996	17	40	708	0.0240	0.0565	0.4250
1997	17	47	737	0.0231	0.0638	0.3617
1998	18	42	699	0.0258	0.0601	0.4286
1999	18	40	665	0.0271	0.0602	0.4500
2000	13	38	620	0.0210	0.0613	0.3421
2001	13	41	676	0.0192	0.0607	0.3171
2002	22	50	730	0.0301	0.0685	0.4400
2003	9	23	785	0.0115	0.0293	0.3913
2004	13	31	841	0.0155	0.0369	0.4194
2005	13	41	891	0.0146	0.0460	0.3171
2006	13	34	897	0.0145	0.0379	0.3824
2007	15	36	963	0.0156	0.0374	0.4167
2008	11	42	987	0.0111	0.0426	0.2619
2009	17	50	1,044	0.0163	0.0479	0.3400
2010	12	40	1,071	0.0112	0.0373	0.3000
2011	14	44	1,091	0.0128	0.0403	0.3182
2012	11	50	1,119	0.0098	0.0447	0.2200
2013	11	32	1,143	0.0096	0.0280	0.3438
Subtotals:						
89 to 13	346	980	20,264	0.0171	0.0484	0.3531
89 to 02	207	557	9,432	0.0219	0.0591	0.3716
03 to 13	139	423	10,832	0.0128	0.0391	0.3286
07 to 13	91	294	7,418	0.0123	0.0396	0.3095
Selected Frequency =====>				0.0135	0.0400	0.3375

Year of Birth	Actual (a) Accepted Claim Cts. @ 3/31/19	Reported Claims (a) @ 3/31/19	Insured Physicians @ 3/31/19	Estimated Claim Reporting Pattern - Based on :		Estimated (b) B/F Method Ultimate Reported (9) + [(1)-(12)] X [(10) X (6)Sel]	Estimated Ultimate Accepted Based on		Final Selected Ultimate Accepted Claim Cts.
				Accepted	Reported		Reported Claim Cts. (13) X (7) Sel.	Accepted (b) (8) + [(1)-(11)] x [(10) x (5)Sel]	
(1)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
2014	15	43	1,208	97.56%	88.61%	48.50	16.37	15.40	16
2015	17	42	1,273	88.69%	77.05%	53.69	18.12	18.94	19
2016	6	21	1,318	77.12%	65.58%	39.15	13.21	10.07	14
2017	10	25	1,356	45.37%	35.45%	60.01	20.25	20.00	20
2018	5	9	1,420	19.30%	11.82%	59.09	19.94	20.47	19
2019 (3 Mo)	-	1	1,392	4.83%	1.69%	13.94	4.70	4.47	5
Subtotals:									
	53	141	7,967			274.38	92.60	89.35	93.00

Notes: (a) Based on individual claim detail provided by NICA as of March 31, 2019. See Exhibit X, Sheet 1b.  
(b) The formula shown below is adjusted by a factor of 0.25 for the 2019 birth year to account for only a three-month period.

Open Accepted Claim Counts  
Evaluated As of March 31, 2019

Year of Birth	Reported Open Accepted Claim Counts @ 3/31/19				IBNR Accepted Claim Counts			Total Open Accepted Claim Counts (Reported + IBNR)		
	DA (a)	AAD (b)	AAA (c)	Combined (2)+(3)+(4)	DA (8) - (7)	AAD & AAA Only (d)	Combined (d)	DA (2) + (6)	AAD & AAA Only (3)+(4)+(7)	Combined (9) + (10)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	-	-	4	4	-	-	-	-	4	4
1990	-	-	3	3	-	-	-	-	3	3
1991	-	-	4	4	-	-	-	-	4	4
1992	-	-	9	9	-	-	-	-	9	9
1993	-	-	8	8	-	-	-	-	8	8
1994	-	-	4	4	-	-	-	-	4	4
1995	-	-	5	5	-	-	-	-	5	5
1996	-	-	6	6	-	-	-	-	6	6
1997	-	-	8	8	-	-	-	-	8	8
1998	-	-	11	11	-	-	-	-	11	11
1999	-	-	3	3	-	-	-	-	3	3
2000	-	-	5	5	-	-	-	-	5	5
2001	-	-	4	4	-	-	-	-	4	4
2002	-	-	13	13	-	-	-	-	13	13
2003	-	-	3	3	-	-	-	-	3	3
2004	-	-	5	5	-	-	-	-	5	5
2005	-	-	7	7	-	-	-	-	7	7
2006	-	-	9	9	-	-	-	-	9	9
2007	-	-	7	7	-	-	-	-	7	7
2008	-	-	9	9	-	-	-	-	9	9
2009	-	-	10	10	-	-	-	-	10	10
2010	-	-	5	5	-	-	-	-	5	5
2011	-	-	10	10	-	-	-	-	10	10
2012	-	-	7	7	-	-	-	-	7	7
2013	-	-	7	7	-	-	-	-	7	7
2014	-	-	12	12	-	1	1	-	13	13
2015	2	-	10	12	-	2	2	2	12	14
2016	-	-	3	3	2	6	8	2	9	11
2017	-	-	7	7	2	8	10	2	15	17
2018	-	-	5	5	3	11	14	3	16	19
2019 (3 Mo)	-	-	-	-	1	4	5	1	4	5
Totals All:	2	-	203	205	8	32	40	10	235	245

Notes: (a) DA are claims where claimant was deceased prior to presentation of the claim to NICA.  
 (b) AAD are claims that deceased after acceptance as of March 31, 2019.  
 (c) AAA are accepted claims that are alive as of March 31, 2019.  
 (d) See Exhibit X, Sheet 1a, Columns (9) and (8), respectively.





Reported Claim Counts

Year of Birth	291	303	315	327	339	351	363
1989	32	32	32	32	32	32	32
1990	39	39	39	39	39	39	
1991	38	38	38	38	38		
1992	48	48	48	48			
1993	40	40	40				
1994	36	36					
1995	26						
1996							
1997							
1998							
1999							
2000							
2001							
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2005							
2006							
2007							
2008							
2009							
2010							
2011							
2012							
2013							
2014							
2015							
2016							
2017							
2018							
2019							



Reported Claim Counts  
 Period to Period Development Factors

Year of Birth	3:15	15:27	27:39	39:51	51:63	63:75	75:87	87:99	99:111	111:123	123:135	135:147
1989				1.294	1.182	1.115	1.069	1.032	1.000	1.000	1.000	1.000
1990			2.625	1.286	1.259	1.088	1.027	1.026	1.000	1.000	1.000	1.000
1991		2.667	2.625	1.333	1.036	1.172	1.029	1.057	1.000	1.000	1.000	1.000
1992		3.000	2.400	1.083	1.128	1.068	1.021	1.000	1.000	1.000	1.000	1.000
1993		4.250	1.941	1.061	1.029	1.111	1.000	1.000	1.000	1.000	1.000	1.000
1994		3.167	1.526	1.069	1.032	1.125	1.000	1.000	1.000	1.000	1.000	1.000
1995		4.500	1.667	1.400	1.143	1.042	1.000	1.040	1.000	1.000	1.000	1.000
1996		3.250	1.462	1.368	1.308	1.147	1.000	1.000	1.026	1.000	1.000	1.000
1997		5.333	1.750	1.214	1.235	1.119	1.000	1.000	1.000	1.000	1.000	1.000
1998		3.400	1.824	1.097	1.088	1.135	1.000	1.000	1.000	1.000	1.000	1.000
1999		1.667	1.600	1.208	1.172	1.147	1.026	1.000	1.000	1.000	1.000	1.000
2000		1.800	1.556	1.143	1.094	1.086	1.000	1.000	1.000	1.000	1.000	1.000
2001		3.750	1.667	1.240	1.226	1.079	1.000	1.000	1.000	1.000	1.000	1.000
2002		2.857	1.750	1.143	1.075	1.163	1.000	1.000	1.000	1.000	1.000	1.000
2003		2.250	1.444	1.231	1.250	1.050	1.000	1.095	1.000	1.000	1.000	1.000
2004		4.000	1.333	1.313	1.190	1.160	1.034	1.033	1.000	1.000	1.000	1.000
2005		4.667	1.714	1.250	1.233	1.054	1.026	1.025	1.000	1.000	1.000	1.000
2006		3.333	1.900	1.263	1.292	1.065	1.000	1.000	1.030	1.000	1.000	1.000
2007		3.250	1.923	1.040	1.192	1.032	1.031	1.091	1.000	1.000	1.000	1.000
2008		3.000	1.667	1.250	1.320	1.121	1.000	1.135	1.000	1.000	1.000	
2009		2.667	1.875	1.167	1.229	1.116	1.000	1.000	1.042	1.000		
2010		2.286	1.750	1.179	1.152	1.026	1.000	1.000	1.026			
2011	7.000	2.143	1.933	1.276	1.027	1.053	1.000	1.100				
2012	5.000	4.200	1.952	1.098	1.067	1.042	1.000					
2013	6.000	2.500	1.533	1.174	1.148	1.032						
2014		3.167	1.789	1.118	1.132							
2015		8.000	2.375	1.105								
2016	9.000	1.556	1.500									
2017		3.125										
2018												
Simple Avg. - Incremental	6.750	3.325	1.818	1.200	1.163	1.094	1.011	1.028	1.006	1.000	1.000	1.000
Wtd Avg. All - Incremental	36.250	2.942	1.801	1.179	1.153	1.094	1.010	1.024	1.006	1.000	1.000	1.000
Wtd Latest Five - Incremental	34.000	2.871	1.847	1.145	1.100	1.056	1.000	1.061	1.020	1.000	1.000	1.000
Wtd Latest Three - Incremental	26.000	2.895	1.898	1.126	1.109	1.043	1.000	1.031	1.023	1.000	1.000	1.000
Selected Incremental - Prior 3/31/18	7.000	3.000	1.850	1.185	1.150	1.090	1.015	1.015	1.005	1.000	1.000	1.000
Selected - Incremental	7.000	3.000	1.850	1.175	1.150	1.090	1.015	1.015	1.005	1.000	1.000	1.000
Selected - Cumulative	59.245	8.464	2.821	1.525	1.298	1.129	1.035	1.020	1.005	1.000	1.000	1.000





Summary of Estimated Payment Patterns - Loss & Expense  
Based on NICA Reserve Worksheets and Mortality Rates

Payment Patterns After Consideration of Estimated Mortality - 2019 Level Basis (a)

Calendar Year	Birth Year
-----	-----
(1)	(2)

**Percent of Remaining (O/S) Loss & Expense Payments By Calendar Year  
Future Payments Based on 2019 Level - After Mortality**

2019	0.33%
2020	1.50%
2021	1.95%
2022	1.80%
2023	1.53%
2024	1.81%
2025	1.36%
2026	1.21%
2027	1.21%
2028	1.18%
2029	1.30%
2030	1.61%
2031	1.41%
2032	1.54%
2033	1.54%
2034	1.79%
2035	1.60%
2036	1.61%
2037	1.65%
2038	1.62%
2039	1.62%
2040	1.78%
2041	1.93%
2042	1.95%
2043	1.96%
2044	1.99%
2045	1.99%
2046	2.02%
2047	2.00%
2048	1.99%
2049	2.00%
2050	1.93%
2051	1.89%
2052	1.83%
2053	1.79%
2054	1.74%
2055	1.70%
2056	1.64%
2057	1.59%
2058	1.54%
2059	1.49%
2060	1.46%
2061	1.42%
2062	1.39%
2063	1.34%
2064	1.31%
2065	1.27%
2066	1.22%
2067	1.21%
2068	1.17%

Note: (a) Estimated percent of remaining loss and expense expected to be paid in each calendar year. The estimates are based on individual case reserve files provided by NICA. The percent of remaining loss and expense is calculated based on 2019 level estimates for each open claimant and after consideration of the remaining life expectancy for each claimant. See Appendix A, Exhibit II for illustration of calculation for Birth Year 1996.

Summary of Estimated Payment Patterns - Loss & Expense  
Based on NICA Reserve Worksheets and Mortality Rates

Payment Patterns After Consideration of Estimated Mortality - 2019 Level Basis (a)

Calendar Year	Birth Year 2019
-----	-----
(1)	(2)

**Percent of Remaining (O/S) Loss & Expense Payments By Calendar Year  
Future Payments Based on 2019 Level - After Mortality**

2069	1.14%
2070	1.10%
2071	1.06%
2072	1.02%
2073	0.98%
2074	0.94%
2075	0.92%
2076	0.87%
2077	0.83%
2078	0.80%
2079	0.76%
2080	0.73%
2081	0.69%
2082	0.66%
2083	0.63%
2084	0.59%
2085	0.56%
2086	0.52%
2087	0.49%
2088	0.47%
2089	0.44%
2090	0.41%
2091	0.38%
2092	0.35%
2093	0.33%
2094	0.30%
2095	0.28%
2096	0.25%
2097	0.23%
2098	0.21%
2099	0.19%
2100	0.17%
2101	0.15%
2102	0.13%
2103	0.12%
2104	0.10%
2105	0.09%
2106	0.08%
2107	0.06%
2108	0.05%
2109	0.04%
2110	0.04%
2111	0.03%
2112	0.02%
2113	0.02%
2114	0.01%
2115	0.01%
2116	0.01%
2117	0.01%
2118	0.01%

Note: (a) Estimated percent of remaining loss and expense expected to be paid in each calendar year. The estimates are based on individual case reserve files provided by NICA. The percent of remaining loss and expense is calculated based on 2019 level estimates for each open claimant and after consideration of the remaining life expectancy for each claimant. See Appendix A, Exhibit II for illustration of calculation for Birth Year 1996.

Summary of Estimated Payment Patterns - Loss & Expense  
Based on NICA Reserve Worksheets and Mortality Rates

Payment Patterns After Consideration of Estimated Mortality - 2019 Level Basis (a)

Calendar Year	Birth Year 2009	Birth Year 2010	Birth Year 2011	Birth Year 2012	Birth Year 2013	Birth Year 2014	Birth Year 2015	Birth Year 2016	Birth Year 2017	Birth Year 2018
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>Percent of Remaining (O/S) Loss &amp; Expense Payments By Calendar Year</b>										
<b>Future Payments Based on 2019 Level - After Mortality</b>										
2019	2.00%	2.28%	1.03%	1.01%	1.12%	1.47%	1.22%	1.41%	1.50%	1.13%
2020	1.25%	0.74%	1.33%	1.35%	1.33%	1.47%	1.92%	1.60%	1.84%	1.96%
2021	2.45%	1.73%	1.47%	1.32%	1.33%	1.31%	1.44%	1.89%	1.57%	1.81%
2022	2.38%	1.71%	1.82%	1.45%	1.30%	1.31%	1.29%	1.41%	1.85%	1.54%
2023	2.61%	1.90%	1.60%	1.80%	1.43%	1.27%	1.29%	1.26%	1.39%	1.82%
2024	2.30%	1.67%	1.75%	1.58%	1.77%	1.40%	1.25%	1.26%	1.24%	1.36%
2025	2.80%	1.97%	1.75%	1.72%	1.55%	1.74%	1.38%	1.23%	1.24%	1.22%
2026	2.18%	1.63%	2.03%	1.73%	1.70%	1.53%	1.71%	1.35%	1.21%	1.22%
2027	2.15%	1.62%	1.82%	2.00%	1.70%	1.67%	1.50%	1.68%	1.33%	1.19%
2028	2.46%	1.90%	1.82%	1.79%	1.97%	1.67%	1.64%	1.47%	1.65%	1.31%
2029	2.04%	1.58%	1.87%	1.80%	1.77%	1.94%	1.64%	1.61%	1.44%	1.62%
2030	2.13%	1.59%	1.84%	1.84%	1.77%	1.73%	1.91%	1.61%	1.58%	1.42%
2031	2.55%	1.57%	1.84%	1.82%	1.82%	1.74%	1.70%	1.87%	1.58%	1.55%
2032	2.96%	2.06%	2.02%	1.81%	1.79%	1.78%	1.71%	1.67%	1.83%	1.56%
2033	2.65%	1.94%	2.19%	1.99%	1.79%	1.76%	1.75%	1.68%	1.64%	1.80%
2034	2.36%	1.72%	2.21%	2.16%	1.97%	1.76%	1.73%	1.72%	1.65%	1.61%
2035	2.31%	1.70%	2.22%	2.18%	2.13%	1.93%	1.73%	1.70%	1.69%	1.62%
2036	2.35%	1.68%	2.26%	2.19%	2.15%	2.09%	1.90%	1.69%	1.66%	1.66%
2037	2.28%	1.69%	2.26%	2.23%	2.16%	2.11%	2.05%	1.86%	1.66%	1.64%
2038	2.50%	1.93%	2.30%	2.23%	2.20%	2.12%	2.07%	2.02%	1.83%	1.63%
2039	2.55%	1.90%	2.27%	2.26%	2.20%	2.16%	2.09%	2.03%	1.98%	1.80%
2040	2.10%	1.62%	2.25%	2.24%	2.23%	2.16%	2.12%	2.05%	1.99%	1.94%
2041	2.04%	1.60%	2.27%	2.22%	2.21%	2.19%	2.12%	2.08%	2.01%	1.96%
2042	1.99%	1.58%	2.19%	2.24%	2.19%	2.17%	2.15%	2.08%	2.04%	1.98%
2043	2.09%	1.71%	2.14%	2.16%	2.21%	2.15%	2.13%	2.11%	2.04%	2.01%
2044	1.87%	1.69%	2.07%	2.11%	2.13%	2.17%	2.11%	2.09%	2.07%	2.01%
2045	1.82%	1.66%	2.03%	2.04%	2.08%	2.09%	2.13%	2.08%	2.05%	2.04%
2046	2.07%	1.86%	1.97%	2.01%	2.01%	2.04%	2.05%	2.09%	2.03%	2.02%
2047	1.70%	1.61%	1.93%	1.94%	1.98%	1.98%	2.01%	2.02%	2.05%	2.00%
2048	1.87%	1.80%	1.86%	1.90%	1.91%	1.94%	1.94%	1.97%	1.98%	2.02%
2049	1.60%	1.56%	1.80%	1.83%	1.88%	1.88%	1.91%	1.91%	1.93%	1.94%
2050	1.54%	1.53%	1.74%	1.78%	1.80%	1.84%	1.85%	1.87%	1.87%	1.90%
2051	1.50%	1.50%	1.69%	1.72%	1.75%	1.77%	1.81%	1.81%	1.84%	1.84%
2052	1.44%	1.47%	1.65%	1.67%	1.69%	1.72%	1.74%	1.78%	1.78%	1.81%
2053	1.75%	1.76%	1.61%	1.63%	1.64%	1.66%	1.69%	1.71%	1.74%	1.75%
2054	1.35%	1.57%	1.58%	1.59%	1.60%	1.61%	1.64%	1.66%	1.68%	1.71%
2055	1.29%	1.54%	1.52%	1.56%	1.56%	1.57%	1.58%	1.61%	1.63%	1.65%
2056	1.25%	1.51%	1.48%	1.50%	1.53%	1.54%	1.55%	1.56%	1.57%	1.60%
2057	1.20%	1.48%	1.44%	1.46%	1.48%	1.50%	1.51%	1.52%	1.52%	1.55%
2058	1.30%	1.62%	1.39%	1.42%	1.44%	1.45%	1.48%	1.48%	1.49%	1.50%
2059	1.11%	1.42%	1.37%	1.37%	1.40%	1.41%	1.43%	1.45%	1.45%	1.47%
2060	1.24%	1.54%	1.33%	1.35%	1.35%	1.37%	1.39%	1.40%	1.42%	1.43%
2061	1.02%	1.36%	1.29%	1.31%	1.33%	1.32%	1.35%	1.37%	1.37%	1.40%
2062	0.97%	1.33%	1.25%	1.27%	1.29%	1.31%	1.30%	1.32%	1.34%	1.35%
2063	1.01%	1.40%	1.20%	1.23%	1.25%	1.27%	1.29%	1.28%	1.30%	1.32%
2064	0.89%	1.26%	1.16%	1.19%	1.21%	1.23%	1.25%	1.26%	1.25%	1.28%
2065	0.85%	1.23%	1.12%	1.14%	1.17%	1.19%	1.21%	1.23%	1.24%	1.23%
2066	0.81%	1.20%	1.07%	1.10%	1.13%	1.15%	1.17%	1.19%	1.20%	1.22%
2067	0.89%	1.29%	1.04%	1.05%	1.08%	1.10%	1.13%	1.15%	1.16%	1.18%
2068	0.82%	1.26%	0.99%	1.02%	1.04%	1.06%	1.09%	1.11%	1.13%	1.15%

Note: (a) Estimated percent of remaining loss and expense expected to be paid in each calendar year. The estimates are based on individual case reserve files provided by NICA. The percent of remaining loss and expense is calculated based on 2019 level estimates for each open claimant and after consideration of the remaining life expectancy for each claimant. See Appendix A, Exhibit II for illustration of calculation for Birth Year 1996.

Summary of Estimated Payment Patterns - Loss & Expense  
Based on NICA Reserve Worksheets and Mortality Rates

Payment Patterns After Consideration of Estimated Mortality - 2019 Level Basis (a)

Calendar Year	Birth Year 2009	Birth Year 2010	Birth Year 2011	Birth Year 2012	Birth Year 2013	Birth Year 2014	Birth Year 2015	Birth Year 2016	Birth Year 2017	Birth Year 2018
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>Percent of Remaining (O/S) Loss &amp; Expense Payments By Calendar Year</b>										
<b>Future Payments Based on 2019 Level - After Mortality</b>										
2069	0.69%	1.10%	0.94%	0.98%	1.01%	1.02%	1.05%	1.07%	1.08%	1.11%
2070	0.65%	1.07%	0.90%	0.93%	0.96%	0.99%	1.00%	1.03%	1.05%	1.07%
2071	0.62%	1.03%	0.86%	0.89%	0.92%	0.95%	0.97%	0.98%	1.01%	1.03%
2072	0.58%	1.00%	0.82%	0.85%	0.88%	0.90%	0.93%	0.96%	0.97%	0.99%
2073	0.59%	1.03%	0.78%	0.81%	0.84%	0.86%	0.89%	0.91%	0.94%	0.95%
2074	0.59%	1.02%	0.74%	0.77%	0.80%	0.82%	0.85%	0.87%	0.90%	0.92%
2075	0.48%	0.90%	0.71%	0.73%	0.76%	0.78%	0.81%	0.83%	0.85%	0.88%
2076	0.45%	0.86%	0.67%	0.70%	0.72%	0.75%	0.77%	0.79%	0.81%	0.84%
2077	0.42%	0.83%	0.63%	0.66%	0.69%	0.71%	0.73%	0.76%	0.78%	0.80%
2078	0.44%	0.87%	0.59%	0.63%	0.65%	0.68%	0.70%	0.72%	0.74%	0.76%
2079	0.36%	0.76%	0.56%	0.59%	0.62%	0.64%	0.67%	0.69%	0.71%	0.73%
2080	0.34%	0.72%	0.53%	0.55%	0.58%	0.61%	0.62%	0.66%	0.67%	0.70%
2081	0.35%	0.74%	0.49%	0.52%	0.54%	0.57%	0.60%	0.61%	0.64%	0.66%
2082	0.29%	0.65%	0.47%	0.49%	0.51%	0.53%	0.56%	0.58%	0.60%	0.63%
2083	0.29%	0.66%	0.43%	0.46%	0.48%	0.50%	0.52%	0.55%	0.57%	0.59%
2084	0.25%	0.58%	0.40%	0.42%	0.45%	0.47%	0.50%	0.51%	0.54%	0.56%
2085	0.23%	0.55%	0.37%	0.39%	0.42%	0.44%	0.46%	0.49%	0.50%	0.53%
2086	0.21%	0.51%	0.34%	0.37%	0.39%	0.41%	0.44%	0.46%	0.48%	0.50%
2087	0.19%	0.48%	0.32%	0.33%	0.36%	0.38%	0.40%	0.43%	0.45%	0.47%
2088	0.21%	0.52%	0.29%	0.31%	0.33%	0.35%	0.37%	0.39%	0.42%	0.44%
2089	0.15%	0.41%	0.26%	0.28%	0.31%	0.32%	0.35%	0.37%	0.39%	0.41%
2090	0.14%	0.38%	0.24%	0.26%	0.28%	0.30%	0.32%	0.34%	0.36%	0.38%
2091	0.12%	0.35%	0.21%	0.23%	0.26%	0.27%	0.30%	0.31%	0.34%	0.35%
2092	0.11%	0.32%	0.19%	0.21%	0.23%	0.25%	0.27%	0.29%	0.30%	0.33%
2093	0.10%	0.31%	0.17%	0.19%	0.21%	0.23%	0.25%	0.26%	0.28%	0.30%
2094	0.09%	0.26%	0.15%	0.17%	0.19%	0.20%	0.22%	0.24%	0.26%	0.28%
2095	0.08%	0.25%	0.13%	0.15%	0.16%	0.18%	0.20%	0.22%	0.24%	0.25%
2096	0.07%	0.21%	0.12%	0.13%	0.15%	0.16%	0.18%	0.20%	0.21%	0.23%
2097	0.06%	0.19%	0.10%	0.11%	0.13%	0.14%	0.16%	0.18%	0.19%	0.21%
2098	0.05%	0.18%	0.09%	0.10%	0.11%	0.13%	0.14%	0.16%	0.17%	0.19%
2099	0.04%	0.14%	0.07%	0.08%	0.10%	0.11%	0.12%	0.14%	0.15%	0.17%
2100	0.03%	0.12%	0.06%	0.07%	0.08%	0.10%	0.11%	0.12%	0.14%	0.15%
2101	0.03%	0.10%	0.05%	0.06%	0.07%	0.08%	0.09%	0.11%	0.12%	0.13%
2102	0.02%	0.09%	0.04%	0.05%	0.06%	0.07%	0.08%	0.09%	0.10%	0.12%
2103	0.02%	0.07%	0.03%	0.04%	0.05%	0.06%	0.07%	0.08%	0.09%	0.10%
2104	0.01%	0.06%	0.03%	0.03%	0.04%	0.05%	0.06%	0.07%	0.08%	0.09%
2105	0.01%	0.05%	0.02%	0.03%	0.03%	0.04%	0.05%	0.06%	0.07%	0.08%
2106	0.01%	0.04%	0.02%	0.02%	0.03%	0.03%	0.04%	0.05%	0.05%	0.06%
2107	0.01%	0.03%	0.01%	0.02%	0.02%	0.03%	0.03%	0.04%	0.05%	0.05%
2108	0.02%	0.02%	0.01%	0.01%	0.02%	0.02%	0.03%	0.03%	0.04%	0.04%
2109	0.00%	0.05%	0.01%	0.01%	0.01%	0.02%	0.02%	0.02%	0.03%	0.04%
2110	0.00%	0.00%	0.02%	0.01%	0.01%	0.01%	0.02%	0.02%	0.02%	0.03%
2111	0.00%	0.00%	0.00%	0.02%	0.01%	0.01%	0.01%	0.02%	0.02%	0.02%
2112	0.00%	0.00%	0.00%	0.00%	0.02%	0.01%	0.01%	0.01%	0.01%	0.02%
2113	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.01%	0.01%	0.01%	0.01%
2114	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.01%	0.01%	0.01%
2115	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.01%	0.01%
2116	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.01%
2117	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%
2118	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Note: (a) Estimated percent of remaining loss and expense expected to be paid in each calendar year. The estimates are based on individual case reserve files provided by NICA. The percent of remaining loss and expense is calculated based on 2019 level estimates for each open claimant and after consideration of the remaining life expectancy for each claimant. See Appendix A, Exhibit II for illustration of calculation for Birth Year 1996.

Summary of Estimated Payment Patterns - Loss & Expense  
Based on NICA Reserve Worksheets and Mortality Rates

Payment Patterns After Consideration of Estimated Mortality - 2019 Level Basis (a)

Calendar Year	Birth Year 1999	Birth Year 2000	Birth Year 2001	Birth Year 2002	Birth Year 2003	Birth Year 2004	Birth Year 2005	Birth Year 2006	Birth Year 2007	Birth Year 2008
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>Percent of Remaining (O/S) Loss &amp; Expense Payments By Calendar Year</b>										
<b>Future Payments Based on 2019 Level - After Mortality</b>										
2019	2.40%	2.35%	2.63%	2.69%	2.99%	2.40%	2.63%	2.75%	2.98%	1.86%
2020	2.86%	2.39%	2.28%	2.04%	2.59%	1.56%	2.46%	1.69%	2.70%	1.13%
2021	3.19%	2.66%	2.37%	2.49%	3.65%	2.35%	2.63%	2.60%	3.53%	2.12%
2022	3.40%	3.98%	2.85%	2.43%	3.49%	2.28%	2.40%	2.53%	3.34%	2.08%
2023	3.30%	3.91%	3.07%	2.58%	3.70%	2.52%	2.33%	2.73%	3.61%	2.28%
2024	3.21%	3.60%	2.74%	3.06%	3.28%	2.20%	1.93%	2.53%	3.04%	2.01%
2025	3.83%	4.14%	3.35%	3.62%	4.66%	2.76%	2.25%	2.98%	3.63%	2.47%
2026	3.64%	3.22%	2.60%	2.90%	3.74%	2.68%	1.67%	2.40%	2.74%	1.94%
2027	3.54%	3.39%	2.74%	2.81%	3.62%	2.63%	2.47%	2.35%	2.71%	1.91%
2028	3.56%	3.37%	3.21%	3.08%	3.89%	2.95%	2.61%	3.00%	3.06%	2.17%
2029	3.30%	3.01%	2.72%	2.71%	3.33%	2.50%	2.20%	2.61%	2.55%	1.84%
2030	3.21%	2.85%	2.67%	2.66%	3.25%	2.46%	2.19%	2.55%	2.44%	2.07%
2031	3.09%	2.68%	2.58%	2.55%	3.10%	2.49%	2.01%	2.47%	2.31%	2.03%
2032	3.36%	3.00%	2.94%	2.95%	3.56%	2.97%	2.55%	2.76%	2.76%	2.27%
2033	2.89%	2.41%	2.69%	2.59%	3.10%	2.61%	2.28%	2.55%	2.39%	2.15%
2034	2.78%	2.23%	2.38%	2.35%	2.73%	2.32%	2.10%	2.27%	2.30%	1.91%
2035	2.68%	2.10%	2.31%	2.27%	2.61%	2.26%	1.97%	2.21%	2.20%	2.20%
2036	2.59%	1.98%	2.39%	2.21%	2.51%	2.21%	1.93%	2.15%	2.11%	2.16%
2037	2.48%	1.85%	2.31%	2.13%	2.39%	2.15%	2.02%	2.08%	2.02%	2.11%
2038	2.49%	1.85%	2.54%	2.32%	2.57%	2.40%	2.23%	2.45%	2.26%	2.32%
2039	2.58%	1.90%	2.38%	2.38%	2.62%	2.49%	2.22%	2.44%	2.27%	2.26%
2040	2.20%	1.52%	2.11%	2.01%	2.07%	1.98%	1.86%	2.07%	1.77%	1.97%
2041	2.11%	1.42%	2.05%	1.95%	1.97%	1.92%	1.81%	2.01%	1.70%	1.93%
2042	2.03%	1.33%	1.99%	1.90%	1.89%	1.88%	1.84%	1.95%	1.64%	1.89%
2043	1.94%	1.90%	2.11%	1.95%	1.94%	1.99%	1.83%	2.03%	1.75%	1.99%
2044	1.85%	1.79%	1.86%	1.83%	1.69%	1.76%	1.68%	1.82%	1.63%	1.79%
2045	1.77%	1.70%	1.81%	1.78%	1.61%	1.72%	1.65%	1.77%	1.57%	1.75%
2046	1.89%	1.76%	1.88%	1.90%	1.83%	2.02%	1.87%	1.93%	1.82%	1.89%
2047	1.60%	1.54%	1.68%	1.65%	1.43%	1.61%	1.55%	1.65%	1.45%	1.66%
2048	1.59%	1.54%	1.85%	1.76%	1.55%	1.80%	1.67%	1.77%	1.62%	1.81%
2049	1.45%	1.40%	1.56%	1.53%	1.28%	1.51%	1.47%	1.53%	1.34%	1.57%
2050	1.37%	1.33%	1.50%	1.48%	1.20%	1.46%	1.48%	1.48%	1.29%	1.53%
2051	1.30%	1.27%	1.45%	1.42%	1.14%	1.42%	1.40%	1.43%	1.24%	1.49%
2052	1.22%	1.21%	1.39%	1.36%	1.06%	1.36%	1.35%	1.37%	1.19%	1.45%
2053	1.28%	1.24%	1.57%	1.52%	1.30%	1.71%	1.74%	1.60%	1.52%	1.67%
2054	1.08%	1.11%	1.28%	1.26%	0.93%	1.43%	1.48%	1.34%	1.11%	1.36%
2055	1.01%	1.06%	1.22%	1.25%	0.86%	1.37%	1.39%	1.29%	1.06%	1.35%
2056	0.95%	1.01%	1.17%	1.20%	0.80%	1.32%	1.36%	1.23%	1.02%	1.51%
2057	0.88%	0.97%	1.12%	1.15%	0.75%	1.28%	1.33%	1.19%	0.99%	1.47%
2058	0.86%	0.97%	1.22%	1.21%	0.80%	1.38%	1.42%	1.25%	1.10%	1.56%
2059	0.76%	0.89%	1.01%	1.04%	0.64%	1.17%	1.24%	1.09%	0.91%	1.37%
2060	0.78%	0.87%	1.03%	1.08%	0.72%	1.33%	1.35%	1.14%	1.06%	1.45%
2061	0.65%	0.82%	0.91%	0.94%	0.54%	1.07%	1.16%	0.99%	0.84%	1.28%
2062	0.59%	0.78%	0.86%	0.90%	0.50%	1.02%	1.16%	0.95%	0.80%	1.24%
2063	0.54%	0.77%	0.91%	0.90%	0.51%	1.06%	1.15%	0.97%	0.86%	1.28%
2064	0.49%	0.72%	0.77%	0.80%	0.41%	0.93%	1.05%	0.86%	0.74%	1.15%
2065	0.44%	0.69%	0.72%	0.76%	0.37%	0.88%	1.01%	0.82%	0.70%	1.11%
2066	0.40%	0.66%	0.68%	0.72%	0.34%	0.84%	1.01%	0.78%	0.68%	1.06%
2067	0.40%	0.64%	0.66%	0.71%	0.37%	0.92%	1.04%	0.79%	0.78%	1.10%
2068	0.33%	0.64%	0.68%	0.68%	0.32%	0.84%	0.97%	0.76%	0.72%	1.07%

Note: (a) Estimated percent of remaining loss and expense expected to be paid in each calendar year. The estimates are based on individual case reserve files provided by NICA. The percent of remaining loss and expense is calculated based on 2019 level estimates for each open claimant and after consideration of the remaining life expectancy for each claimant. See Appendix A, Exhibit II for illustration of calculation for Birth Year 1996.



Summary of Estimated Payment Patterns - Loss & Expense  
Based on NICA Reserve Worksheets and Mortality Rates

Payment Patterns After Consideration of Estimated Mortality - 2019 Level Basis (a)

Calendar Year	Birth Year 1999	Birth Year 2000	Birth Year 2001	Birth Year 2002	Birth Year 2003	Birth Year 2004	Birth Year 2005	Birth Year 2006	Birth Year 2007	Birth Year 2008
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>Percent of Remaining (O/S) Loss &amp; Expense Payments By Calendar Year</b>										
<b>Future Payments Based on 2019 Level - After Mortality</b>										
2069	0.28%	0.58%	0.55%	0.59%	0.25%	0.70%	0.86%	0.66%	0.59%	0.93%
2070	0.25%	0.56%	0.51%	0.55%	0.22%	0.66%	0.84%	0.62%	0.56%	0.89%
2071	0.22%	0.53%	0.47%	0.51%	0.19%	0.62%	0.78%	0.58%	0.53%	0.85%
2072	0.19%	0.51%	0.43%	0.48%	0.17%	0.58%	0.75%	0.54%	0.50%	0.81%
2073	0.16%	0.49%	0.44%	0.46%	0.17%	0.57%	0.74%	0.54%	0.53%	0.82%
2074	0.15%	0.46%	0.37%	0.42%	0.16%	0.57%	0.75%	0.50%	0.54%	0.78%
2075	0.12%	0.43%	0.33%	0.38%	0.11%	0.46%	0.63%	0.44%	0.42%	0.69%
2076	0.10%	0.41%	0.29%	0.34%	0.09%	0.42%	0.59%	0.41%	0.40%	0.65%
2077	0.08%	0.38%	0.26%	0.32%	0.08%	0.38%	0.56%	0.38%	0.37%	0.61%
2078	0.07%	0.37%	0.27%	0.31%	0.08%	0.39%	0.57%	0.39%	0.41%	0.62%
2079	0.05%	0.33%	0.21%	0.26%	0.06%	0.32%	0.48%	0.33%	0.33%	0.53%
2080	0.04%	0.31%	0.18%	0.24%	0.05%	0.29%	0.45%	0.30%	0.30%	0.49%
2081	0.03%	0.28%	0.16%	0.22%	0.05%	0.29%	0.45%	0.28%	0.34%	0.49%
2082	0.02%	0.26%	0.14%	0.19%	0.03%	0.23%	0.39%	0.25%	0.26%	0.42%
2083	0.02%	0.24%	0.13%	0.18%	0.03%	0.22%	0.36%	0.24%	0.27%	0.42%
2084	0.01%	0.21%	0.10%	0.16%	0.02%	0.18%	0.32%	0.21%	0.22%	0.36%
2085	0.01%	0.19%	0.08%	0.14%	0.01%	0.16%	0.28%	0.19%	0.20%	0.33%
2086	0.01%	0.17%	0.07%	0.12%	0.01%	0.14%	0.26%	0.17%	0.18%	0.30%
2087	0.00%	0.15%	0.05%	0.11%	0.01%	0.12%	0.23%	0.15%	0.16%	0.27%
2088	0.00%	0.13%	0.05%	0.10%	0.01%	0.12%	0.23%	0.15%	0.21%	0.28%
2089	0.00%	0.11%	0.03%	0.08%	0.00%	0.08%	0.18%	0.12%	0.13%	0.21%
2090	0.00%	0.09%	0.03%	0.07%	0.00%	0.07%	0.16%	0.10%	0.11%	0.19%
2091	0.00%	0.08%	0.02%	0.06%	0.00%	0.06%	0.13%	0.09%	0.10%	0.17%
2092	0.00%	0.07%	0.01%	0.05%	0.00%	0.05%	0.11%	0.08%	0.09%	0.15%
2093	0.00%	0.05%	0.01%	0.04%	0.00%	0.04%	0.10%	0.07%	0.08%	0.13%
2094	0.00%	0.04%	0.01%	0.03%	0.00%	0.03%	0.08%	0.06%	0.06%	0.11%
2095	0.00%	0.03%	0.00%	0.03%	0.00%	0.03%	0.07%	0.05%	0.06%	0.10%
2096	0.00%	0.03%	0.00%	0.02%	0.00%	0.02%	0.06%	0.04%	0.04%	0.08%
2097	0.00%	0.02%	0.00%	0.02%	0.00%	0.01%	0.04%	0.03%	0.03%	0.06%
2098	0.00%	0.02%	0.00%	0.01%	0.00%	0.01%	0.04%	0.03%	0.03%	0.05%
2099	0.00%	0.04%	0.00%	0.01%	0.00%	0.01%	0.03%	0.02%	0.02%	0.04%
2100	0.00%	0.00%	0.00%	0.01%	0.00%	0.01%	0.02%	0.01%	0.02%	0.03%
2101	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.02%	0.01%	0.01%	0.02%
2102	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%	0.01%	0.02%
2103	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%	0.01%	0.01%	0.01%
2104	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.01%
2105	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.01%
2106	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2107	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
2108	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2109	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2110	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2111	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2112	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2113	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2114	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2115	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2116	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2117	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2118	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Note: (a) Estimated percent of remaining loss and expense expected to be paid in each calendar year. The estimates are based on individual case reserve files provided by NICA. The percent of remaining loss and expense is calculated based on 2019 level estimates for each open claimant and after consideration of the remaining life expectancy for each claimant. See Appendix A, Exhibit II for illustration of calculation for Birth Year 1996.

Summary of Estimated Payment Patterns - Loss & Expense  
Based on NICA Reserve Worksheets and Mortality Rates

Payment Patterns After Consideration of Estimated Mortality - 2019 Level Basis (a)

Calendar Year	Birth Year 1989	Birth Year 1990	Birth Year 1991	Birth Year 1992	Birth Year 1993	Birth Year 1994	Birth Year 1995	Birth Year 1996	Birth Year 1997	Birth Year 1998
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>Percent of Remaining (O/S) Loss &amp; Expense Payments By Calendar Year</b>										
<b>Future Payments Based on 2019 Level - After Mortality</b>										
2019	3.94%	3.01%	2.79%	2.63%	4.51%	3.07%	2.62%	2.51%	2.47%	2.81%
2020	3.56%	3.88%	2.92%	2.50%	3.70%	2.25%	2.74%	2.30%	2.19%	2.56%
2021	3.59%	4.97%	2.98%	3.04%	3.80%	2.27%	2.94%	3.18%	2.99%	2.69%
2022	3.38%	4.75%	2.90%	3.03%	3.74%	2.24%	3.13%	3.03%	2.89%	2.63%
2023	3.69%	4.97%	3.23%	3.39%	3.67%	2.45%	3.23%	3.31%	3.04%	2.63%
2024	3.31%	4.44%	2.81%	2.97%	3.10%	2.22%	3.01%	3.71%	2.85%	2.38%
2025	4.29%	4.87%	3.54%	3.63%	3.30%	2.80%	3.78%	4.19%	3.40%	3.25%
2026	3.03%	4.07%	2.67%	2.89%	2.63%	2.15%	2.91%	3.32%	2.67%	2.59%
2027	2.91%	3.94%	2.60%	2.85%	2.47%	2.14%	2.86%	3.17%	2.60%	2.46%
2028	3.10%	4.24%	2.91%	3.22%	2.64%	2.40%	3.06%	3.32%	2.85%	2.64%
2029	2.81%	3.59%	2.49%	2.88%	2.20%	2.08%	2.71%	2.88%	2.44%	2.33%
2030	2.72%	3.46%	2.55%	2.93%	2.20%	2.07%	2.66%	2.99%	2.37%	2.33%
2031	2.63%	3.28%	2.47%	2.79%	2.16%	2.03%	2.58%	2.85%	2.31%	2.26%
2032	3.07%	3.61%	2.77%	3.06%	2.40%	2.57%	2.86%	3.07%	2.77%	2.67%
2033	2.66%	3.27%	2.59%	2.93%	2.22%	2.19%	2.60%	2.74%	2.40%	2.28%
2034	2.38%	2.84%	2.26%	2.66%	1.96%	1.95%	2.39%	2.53%	2.12%	2.14%
2035	2.30%	2.70%	2.19%	2.52%	1.90%	1.92%	2.33%	2.44%	2.05%	2.12%
2036	2.24%	2.58%	2.46%	2.45%	1.86%	1.91%	2.28%	2.35%	2.00%	2.07%
2037	2.16%	2.43%	2.38%	2.37%	1.81%	1.87%	2.21%	2.26%	1.93%	2.01%
2038	2.34%	2.61%	2.59%	2.69%	2.03%	2.10%	2.37%	2.39%	2.15%	2.22%
2039	2.43%	2.52%	2.37%	2.51%	2.00%	2.34%	2.37%	2.34%	2.25%	2.38%
2040	1.96%	2.04%	2.17%	2.16%	1.70%	1.79%	2.04%	2.02%	1.77%	2.04%
2041	1.89%	1.91%	2.10%	2.09%	1.66%	1.76%	1.98%	1.95%	1.71%	1.99%
2042	1.83%	1.81%	2.04%	2.07%	1.63%	1.74%	1.93%	1.88%	1.67%	2.00%
2043	1.93%	1.83%	2.14%	2.15%	1.74%	1.87%	1.97%	1.88%	1.80%	1.98%
2044	1.70%	1.56%	1.90%	1.87%	1.55%	1.67%	1.81%	1.74%	1.70%	1.84%
2045	1.65%	1.47%	1.84%	1.81%	1.65%	1.95%	1.76%	1.68%	1.89%	1.80%
2046	1.89%	1.57%	1.86%	1.99%	1.82%	2.13%	1.90%	1.78%	2.07%	2.08%
2047	1.52%	1.24%	1.70%	1.66%	1.56%	1.86%	1.64%	1.55%	1.77%	1.69%
2048	1.66%	1.32%	1.82%	1.82%	1.73%	2.04%	1.75%	1.64%	1.94%	1.81%
2049	1.41%	1.05%	1.58%	1.52%	1.49%	1.78%	1.54%	1.44%	1.67%	1.60%
2050	1.35%	0.96%	1.51%	1.49%	1.45%	1.74%	1.48%	1.38%	1.61%	1.60%
2051	1.29%	0.88%	1.45%	1.39%	1.41%	1.71%	1.43%	1.32%	1.56%	1.51%
2052	1.23%	0.79%	1.39%	1.32%	1.37%	1.65%	1.37%	1.27%	1.51%	1.46%
2053	1.54%	0.91%	1.48%	1.52%	1.62%	1.94%	1.54%	1.37%	1.77%	1.72%
2054	1.13%	0.64%	1.27%	1.22%	1.29%	1.58%	1.27%	1.16%	1.41%	1.42%
2055	1.07%	0.57%	1.21%	1.12%	1.25%	1.52%	1.21%	1.10%	1.35%	1.32%
2056	1.01%	0.50%	1.16%	1.06%	1.20%	1.48%	1.16%	1.05%	1.30%	1.28%
2057	0.96%	0.45%	1.10%	1.00%	1.16%	1.44%	1.11%	1.00%	1.25%	1.24%
2058	1.04%	0.44%	1.14%	1.09%	1.26%	1.54%	1.16%	1.04%	1.35%	1.33%
2059	0.85%	0.33%	0.99%	0.87%	1.07%	1.33%	1.00%	0.90%	1.15%	1.14%
2060	0.97%	0.35%	0.97%	0.90%	1.16%	1.46%	1.05%	0.94%	1.22%	1.28%
2061	0.75%	0.25%	0.89%	0.76%	0.99%	1.24%	0.90%	0.81%	1.05%	1.05%
2062	0.70%	0.21%	0.84%	0.73%	0.94%	1.19%	0.85%	0.76%	1.00%	1.03%
2063	0.73%	0.20%	0.83%	0.71%	0.98%	1.23%	0.84%	0.74%	1.05%	1.01%
2064	0.60%	0.14%	0.74%	0.60%	0.85%	1.08%	0.75%	0.67%	0.90%	0.91%
2065	0.56%	0.12%	0.69%	0.55%	0.81%	1.03%	0.70%	0.62%	0.85%	0.86%
2066	0.51%	0.10%	0.65%	0.52%	0.77%	0.99%	0.66%	0.58%	0.80%	0.85%
2067	0.57%	0.09%	0.62%	0.50%	0.80%	1.05%	0.66%	0.59%	0.84%	0.90%
2068	0.49%	0.07%	0.60%	0.47%	0.76%	0.97%	0.61%	0.54%	0.80%	0.80%

Note: (a) Estimated percent of remaining loss and expense expected to be paid in each calendar year. The estimates are based on individual case reserve files provided by NICA. The percent of remaining loss and expense is calculated based on 2019 level estimates for each open claimant and after consideration of the remaining life expectancy for each claimant. See Appendix A, Exhibit II for illustration of calculation for Birth Year 1996.

Summary of Estimated Payment Patterns - Loss & Expense  
Based on NICA Reserve Worksheets and Mortality Rates

Payment Patterns After Consideration of Estimated Mortality - 2019 Level Basis (a)







Calendar Year	Birth Year 1989	Birth Year 1990	Birth Year 1991	Birth Year 1992	Birth Year 1993	Birth Year 1994	Birth Year 1995	Birth Year 1996	Birth Year 1997	Birth Year 1998
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>Percent of Remaining (O/S) Loss &amp; Expense Payments By Calendar Year Future Payments Based on 2019 Level - After Mortality</b>										
2069	0.38%	0.05%	0.52%	0.38%	0.63%	0.83%	0.52%	0.46%	0.66%	0.69%
2070	0.34%	0.03%	0.48%	0.35%	0.59%	0.77%	0.47%	0.42%	0.62%	0.66%
2071	0.30%	0.03%	0.45%	0.30%	0.54%	0.72%	0.43%	0.38%	0.57%	0.60%
2072	0.26%	0.02%	0.41%	0.27%	0.50%	0.67%	0.39%	0.34%	0.53%	0.56%
2073	0.26%	0.01%	0.39%	0.26%	0.50%	0.66%	0.36%	0.31%	0.54%	0.54%
2074	0.25%	0.01%	0.34%	0.23%	0.46%	0.65%	0.34%	0.30%	0.49%	0.57%
2075	0.17%	0.01%	0.31%	0.19%	0.38%	0.52%	0.28%	0.24%	0.41%	0.43%
2076	0.14%	0.00%	0.28%	0.16%	0.34%	0.47%	0.24%	0.21%	0.37%	0.39%
2077	0.12%	0.00%	0.25%	0.14%	0.31%	0.42%	0.21%	0.18%	0.33%	0.36%
2078	0.11%	0.00%	0.23%	0.14%	0.31%	0.42%	0.20%	0.17%	0.34%	0.36%
2079	0.08%	0.00%	0.20%	0.11%	0.24%	0.34%	0.15%	0.13%	0.26%	0.29%
2080	0.06%	0.00%	0.17%	0.09%	0.21%	0.30%	0.13%	0.11%	0.23%	0.25%
2081	0.06%	0.00%	0.15%	0.08%	0.20%	0.30%	0.12%	0.10%	0.22%	0.26%
2082	0.04%	0.00%	0.13%	0.07%	0.16%	0.22%	0.09%	0.08%	0.17%	0.20%
2083	0.03%	0.00%	0.11%	0.06%	0.14%	0.20%	0.08%	0.06%	0.16%	0.17%
2084	0.02%	0.00%	0.09%	0.05%	0.11%	0.16%	0.06%	0.05%	0.12%	0.14%
2085	0.01%	0.00%	0.07%	0.04%	0.09%	0.13%	0.05%	0.04%	0.10%	0.12%
2086	0.01%	0.00%	0.06%	0.03%	0.07%	0.10%	0.03%	0.03%	0.08%	0.10%
2087	0.01%	0.00%	0.05%	0.03%	0.06%	0.08%	0.03%	0.02%	0.07%	0.08%
2088	0.02%	0.00%	0.04%	0.03%	0.05%	0.08%	0.02%	0.02%	0.07%	0.08%
2089	0.00%	0.00%	0.03%	0.02%	0.04%	0.05%	0.01%	0.01%	0.04%	0.05%
2090	0.00%	0.00%	0.08%	0.02%	0.03%	0.04%	0.01%	0.01%	0.03%	0.04%
2091	0.00%	0.00%	0.00%	0.06%	0.02%	0.03%	0.01%	0.01%	0.02%	0.03%
2092	0.00%	0.00%	0.00%	0.00%	0.06%	0.02%	0.00%	0.00%	0.02%	0.02%
2093	0.00%	0.00%	0.00%	0.00%	0.00%	0.04%	0.00%	0.00%	0.01%	0.01%
2094	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%
2095	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%
2096	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%
2097	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
2098	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2099	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2100	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2101	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2102	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2103	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2104	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2105	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2106	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2107	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2108	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2109	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2110	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2111	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2112	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2113	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2114	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2115	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2116	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2117	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2118	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Note: (a) Estimated percent of remaining loss and expense expected to be paid in each calendar year. The estimates are based on individual case reserve files provided by NICA. The percent of remaining loss and expense is calculated based on 2019 level estimates for each open claimant and after consideration of the remaining life expectancy for each claimant. See Appendix A, Exhibit II for illustration of calculation for Birth Year 1996.

Summary of Estimated Payment Patterns - Loss & Expense  
Based on NICA Reserve Worksheets and Mortality Rates

Sample Calculation of Payment Pattern - Birth Year 1996 - Estimated Remaining Payment (Reserves)

Estimated Loss & Expense Payments - 2019 Level - After Consideration of Mortality

Claim Number							Totals	Annual Basis
Date of Birth								Percent of Total
Life Expectancy @ 12/31/18								By Year
Sex	M	M	M	M	F	F	(8)	(9)
	(2)	(3)	(4)	(5)	(6)	(7)		

Attained Age Incremental Payments By Claim By Year - 2019 Level - After Mortality (a)

Attained Age	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
23	123,714	172,698	48,631	36,450	153,029	127,449	661,972	3.32%
24	112,541	141,208	46,231	9,642	116,652	28,875	455,149	2.28%
25	116,080	145,064	45,841	134,183	106,437	80,640	628,244	3.15%
26	114,723	142,618	42,069	108,858	111,603	78,447	598,318	3.00%
27	184,570	138,821	39,877	88,115	104,199	99,200	654,781	3.28%
28	182,327	137,322	175,042	71,135	91,673	75,458	732,959	3.68%
29	180,064	173,953	194,076	66,946	104,232	110,239	829,510	4.16%
30	177,777	132,896	155,195	45,333	74,222	71,612	657,035	3.29%
31	175,465	131,330	147,447	35,979	66,866	70,326	627,414	3.15%
32	179,328	141,276	143,652	28,842	69,270	94,200	656,568	3.29%
33	170,771	126,825	129,632	22,102	53,385	66,543	569,257	2.85%
34	168,389	125,190	122,619	17,206	47,738	109,429	590,570	2.96%
35	165,984	122,699	114,117	13,248	42,314	106,238	564,600	2.83%
36	163,555	155,544	126,150	11,940	47,426	103,438	608,053	3.05%
37	161,101	118,909	100,536	7,727	34,283	118,530	541,087	2.71%
38	158,623	116,391	93,084	5,813	29,223	97,869	501,003	2.51%
39	156,120	114,257	86,659	4,346	25,667	95,102	482,151	2.42%
40	153,592	112,486	81,115	3,227	22,536	92,667	465,623	2.33%
41	151,039	109,942	74,665	2,364	19,593	89,601	447,204	2.24%
42	153,771	118,137	71,991	1,753	19,740	106,537	471,930	2.37%
43	145,845	136,482	75,780	1,455	18,662	84,438	462,661	2.32%
44	143,200	103,332	58,708	876	12,685	81,434	400,235	2.01%
45	140,521	101,086	53,903	614	10,876	78,734	385,735	1.93%
46	137,806	99,149	49,710	425	9,307	76,312	372,708	1.87%
47	135,051	96,521	45,031	289	8,116	86,152	371,158	1.86%
48	132,254	94,198	40,952	193	6,645	70,708	344,950	1.73%
49	129,413	92,156	37,376	127	5,590	68,295	332,957	1.67%
50	126,524	115,375	39,542	96	5,870	65,420	352,828	1.77%
51	123,587	87,052	30,080	51	3,842	62,796	307,408	1.54%
52	124,916	93,040	28,230	32	3,669	74,026	323,913	1.62%
53	117,560	82,129	23,934	19	2,571	57,596	283,810	1.42%
54	114,470	79,621	21,182	11	2,077	55,026	272,388	1.37%
55	111,329	77,342	18,776	6	1,669	52,662	261,784	1.31%
56	108,135	74,512	16,300	3	1,320	49,958	250,227	1.25%
57	104,887	92,739	16,722	2	1,342	55,729	271,421	1.36%
58	101,588	69,517	12,300	1	807	45,152	229,364	1.15%
59	98,239	66,630	10,449	0	617	42,558	218,493	1.10%
60	94,842	63,953	8,869	0	467	40,153	208,284	1.04%
61	91,398	61,461	7,515	0	349	37,916	198,640	1.00%
62	91,056	64,175	6,476	0	297	43,482	205,486	1.03%
63	84,374	55,802	5,121	0	185	33,167	178,648	0.90%
64	80,793	68,594	4,956	0	166	31,035	185,545	0.93%
65	77,172	50,288	3,353	0	91	28,740	159,644	0.80%
66	73,513	47,517	2,657	0	62	26,608	150,357	0.75%
67	69,824	44,897	2,089	0	43	28,893	145,746	0.73%
68	66,118	41,987	1,592	0	27	22,526	132,249	0.66%
69	62,408	39,250	1,202	0	17	20,587	123,462	0.62%
70	58,705	36,667	896	0	10	18,788	115,066	0.58%
71	55,018	43,688	762	-	8	16,935	116,411	0.58%
72	53,191	34,265	476	-	4	18,676	106,612	0.53%
Subtotals:	6,203,269	4,890,993	2,663,566	719,411	1,437,479	3,296,901	19,211,618	96.33%

Note: (a) Product of estimated payments (2019 level) shown on Appendix A, Exhibit II, Sheets 3a and 3b and survival probabilities shown on Appendix A, Exhibit II, Sheets 2a and 2b.

Summary of Estimated Payment Patterns - Loss & Expense  
Based on NICA Reserve Worksheets and Mortality Rates

Sample Calculation of Payment Pattern - Birth Year 1996 - Estimated Remaining Payment (Reserves)

Estimated Loss & Expense Payments - 2019 Level - After Consideration of Mortality

Claim Number	Date of Birth	Life Expectancy @ 12/31/18	Sex	(2)	(3)	(4)	(5)	(6)	(7)	Totals	Percent of Total By Year

Attained Age Incremental Payments By Claim By Year - 2019 Level - After Mortality (a)

Attained Age	(2)	(3)	(4)	(5)	(6)	(7)	Totals	Percent of Total
73	47,718	28,781	318	-	2	13,652	90,470	0.45%
74	44,123	26,173	212	-	1	12,069	82,578	0.41%
75	40,580	23,732	137	-	0	10,624	75,074	0.38%
76	37,104	21,442	86	-	0	9,304	67,937	0.34%
77	33,712	19,099	52	-	0	9,410	62,273	0.31%
78	30,421	21,837	35	-	0	6,854	59,147	0.30%
79	27,249	14,932	16	-	0	5,815	48,013	0.24%
80	24,215	12,956	8	-	0	4,836	42,015	0.21%
81	21,331	11,164	4	-	0	3,978	36,477	0.18%
82	19,280	10,459	2	-	0	3,958	33,699	0.17%
83	16,075	8,004	1	-	0	2,556	26,636	0.13%
84	13,727	6,645	0	-	0	1,988	22,361	0.11%
85	11,579	7,030	0	-	-	1,516	20,124	0.10%
86	9,636	4,377	0	-	-	1,117	15,131	0.08%
87	7,903	3,463	0	-	-	941	12,307	0.06%
88	6,379	2,696	0	-	-	558	9,633	0.05%
89	5,060	2,041	0	-	-	371	7,472	0.04%
90	3,938	1,515	0	-	-	237	5,690	0.03%
91	3,001	1,100	-	-	-	144	4,246	0.02%
92	2,316	1,070	-	-	-	101	3,487	0.02%
93	1,625	527	-	-	-	44	2,196	0.01%
94	1,150	349	-	-	-	22	1,521	0.01%
95	790	221	-	-	-	10	1,021	0.01%
96	526	135	-	-	-	4	665	0.00%
97	338	79	-	-	-	2	419	0.00%
98	210	44	-	-	-	0	254	0.00%
99	125	30	-	-	-	0	155	0.00%
100	71	12	-	-	-	0	83	0.00%
101	41	6	-	-	-	0	47	0.00%
102	24	3	-	-	-	0	27	0.00%
103	13	1	-	-	-	0	15	0.00%
104	7	1	-	-	-	0	8	0.00%
105	4	0	-	-	-	0	5	0.00%
106	2	0	-	-	-	0	3	0.00%
107	1	0	-	-	-	0	1	0.00%
108	1	0	-	-	-	0	1	0.00%
109	0	0	-	-	-	0	0	0.00%
110	0	0	-	-	-	0	0	0.00%
111	0	0	-	-	-	0	0	0.00%
112	0	0	-	-	-	0	0	0.00%
113	0	0	-	-	-	0	0	0.00%
114	0	0	-	-	-	0	0	0.00%
115	0	0	-	-	-	0	0	0.00%
116	0	0	-	-	-	0	0	0.00%
117	0	0	-	-	-	0	0	0.00%
118	0	0	-	-	-	0	0	0.00%
119	0	0	-	-	-	0	0	0.00%
120	0	0	-	-	-	0	0	0.00%
121	-	-	-	-	-	-	-	0.00%
122	-	-	-	-	-	-	-	0.00%
Subtotals:	410,279	229,926	871	-	4	90,111	731,191	3.67%
Totals All:	6,613,548	5,120,919	2,664,437	719,411	1,437,482	3,387,012	#####	100.00%

Note: (a) Product of estimated payments (2019 level) shown on Appendix A, Exhibit II, Sheets 3a and 3b and survival probabilities shown on Appendix A, Exhibit II, Sheets 2a and 2b.

Summary of Estimated Payment Patterns - Loss & Expense  
Based on NICA Reserve Worksheets and Mortality Rates

Sample Calculation of Payment Pattern - Birth Year 1996

Probability of Survival - Assuming Attained Age 22

Claim Number						
Date of Birth						
Life Expectancy @ 12/31/18						
Sex						
	(2)	(3)	(4)	(5)	(6)	(7)

Attained Age

23	0.98892	0.98713	0.95154	0.82281	0.91233	0.97962
24	0.97776	0.97419	0.90457	0.67429	0.83095	0.95931
25	0.96653	0.96118	0.85911	0.55037	0.75550	0.93907
26	0.95523	0.94812	0.81516	0.44742	0.68564	0.91889
27	0.94385	0.93500	0.77269	0.36216	0.62108	0.89878
28	0.93238	0.92180	0.73162	0.29177	0.56148	0.87873
29	0.92081	0.90850	0.69188	0.23383	0.50655	0.85875
30	0.90911	0.89509	0.65344	0.18632	0.45599	0.83883
31	0.89729	0.88157	0.61628	0.14757	0.40954	0.81897
32	0.88535	0.86794	0.58040	0.11616	0.36695	0.79917
33	0.87329	0.85420	0.54581	0.09084	0.32797	0.77944
34	0.86111	0.84036	0.51250	0.07057	0.29238	0.75978
35	0.84881	0.82641	0.48048	0.05445	0.25996	0.74020
36	0.83639	0.81236	0.44973	0.04170	0.23048	0.72069
37	0.82384	0.79820	0.42021	0.03169	0.20374	0.70125
38	0.81116	0.78393	0.39193	0.02389	0.17953	0.68189
39	0.79836	0.76955	0.36487	0.01786	0.15769	0.66261
40	0.78544	0.75508	0.33903	0.01324	0.13803	0.64341
41	0.77238	0.74049	0.31438	0.00972	0.12037	0.62428
42	0.75918	0.72578	0.29087	0.00706	0.10457	0.60523
43	0.74582	0.71095	0.26848	0.00507	0.09047	0.58627
44	0.73230	0.69597	0.24719	0.00360	0.07793	0.56738
45	0.71860	0.68084	0.22696	0.00252	0.06682	0.54857
46	0.70471	0.66555	0.20777	0.00174	0.05700	0.52985
47	0.69062	0.65009	0.18960	0.00119	0.04838	0.51121
48	0.67632	0.63445	0.17242	0.00079	0.04082	0.49265
49	0.66179	0.61861	0.15622	0.00052	0.03424	0.47418
50	0.64702	0.60257	0.14097	0.00033	0.02853	0.45580
51	0.63200	0.58632	0.12665	0.00021	0.02360	0.43752
52	0.61672	0.56985	0.11326	0.00013	0.01939	0.41935
53	0.60118	0.55316	0.10077	0.00008	0.01580	0.40130
54	0.58538	0.53627	0.08919	0.00004	0.01276	0.38339
55	0.56931	0.51917	0.07848	0.00003	0.01022	0.36565
56	0.55298	0.50186	0.06863	0.00001	0.00811	0.34807
57	0.53637	0.48435	0.05961	0.00001	0.00637	0.33069
58	0.51950	0.46665	0.05141	0.00000	0.00494	0.31350
59	0.50237	0.44877	0.04400	0.00000	0.00379	0.29652
60	0.48500	0.43074	0.03734	0.00000	0.00287	0.27976
61	0.46739	0.41257	0.03141	0.00000	0.00214	0.26325
62	0.44955	0.39427	0.02616	0.00000	0.00157	0.24702
63	0.43147	0.37584	0.02156	0.00000	0.00114	0.23109
64	0.41316	0.35731	0.01756	0.00000	0.00081	0.21548
65	0.39464	0.33870	0.01412	0.00000	0.00056	0.20024
66	0.37593	0.32004	0.01119	0.00000	0.00038	0.18539
67	0.35706	0.30138	0.00873	0.00000	0.00025	0.17094
68	0.33811	0.28279	0.00670	0.00000	0.00016	0.15694
69	0.31914	0.26436	0.00506	0.00000	0.00010	0.14344
70	0.30020	0.24613	0.00375	0.00000	0.00006	0.13045
71	0.28135	0.22817	0.00272	0.00000	0.00004	0.11799
72	0.26261	0.21051	0.00192	0.00000	0.00002	0.10610

Summary of Estimated Payment Patterns - Loss & Expense  
Based on NICA Reserve Worksheets and Mortality Rates

Sample Calculation of Payment Pattern - Birth Year 1996

Probability of Survival - Assuming Attained Age 22

Claim Number						
Date of Birth						
Life Expectancy @ 12/31/18						
Sex						
	(2)	(3)	(4)	(5)	(6)	(7)

Attained Age

73	0.24402	0.19320	0.00133	0.00000	0.00001	0.09479
74	0.22564	0.17629	0.00089	0.00000	0.00001	0.08409
75	0.20752	0.15984	0.00058	0.00000	0.00000	0.07402
76	0.18974	0.14393	0.00036	0.00000	0.00000	0.06460
77	0.17240	0.12864	0.00022	0.00000	0.00000	0.05584
78	0.15557	0.11405	0.00012	0.00000	0.00000	0.04776
79	0.13935	0.10023	0.00007	0.00000	0.00000	0.04038
80	0.12383	0.08726	0.00003	0.00000	0.00000	0.03370
81	0.10908	0.07519	0.00002	0.00000	0.00000	0.02771
82	0.09519	0.06406	0.00001	0.00000	0.00000	0.02242
83	0.08220	0.05391	0.00000	0.00000	0.00000	0.01781
84	0.07020	0.04476	0.00000	0.00000	0.00000	0.01385
85	0.05921	0.03662	0.00000	0.00000	0.00000	0.01052
86	0.04928	0.02948	0.00000	0.00000	0.00000	0.00778
87	0.04042	0.02332	0.00000	0.00000	0.00000	0.00559
88	0.03262	0.01810	0.00000	0.00000	0.00000	0.00387
89	0.02588	0.01375	0.00000	0.00000	0.00000	0.00258
90	0.02014	0.01021	0.00000	0.00000	0.00000	0.00165
91	0.01535	0.00739	0.00000	0.00000	0.00000	0.00100
92	0.01144	0.00520	0.00000	0.00000	0.00000	0.00057
93	0.00831	0.00355	0.00000	0.00000	0.00000	0.00031
94	0.00588	0.00234	0.00000	0.00000	0.00000	0.00015
95	0.00404	0.00149	0.00000	0.00000	0.00000	0.00007
96	0.00269	0.00091	0.00000	0.00000	0.00000	0.00003
97	0.00173	0.00053	0.00000	0.00000	0.00000	0.00001
98	0.00107	0.00030	0.00000	0.00000	0.00000	0.00000
99	0.00064	0.00016	0.00000	0.00000	0.00000	0.00000
100	0.00037	0.00008	0.00000	0.00000	0.00000	0.00000
101	0.00021	0.00004	0.00000	0.00000	0.00000	0.00000
102	0.00012	0.00002	0.00000	0.00000	0.00000	0.00000
103	0.00007	0.00001	0.00000	0.00000	0.00000	0.00000
104	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000
105	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000
106	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000
107	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000
108	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
109	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
110	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
111	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
112	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
113	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
114	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
115	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
116	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
117	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
118	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
119	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
120	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
121	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
122	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Summary of Estimated Payment Patterns - Loss & Expense  
Based on NICA Reserve Worksheets and Mortality Rates

Sample Calculation of Payment Pattern - Birth Year 1996

Estimated Loss & Expense Payments - 2019 Level - Before Consideration of Mortality

Claim Number	Date of Birth	Life Expectancy @ 12/31/18	Sex	(2)	(3)	(4)	(5)	(6)	(7)	Totals	Percent of Total By Year

Attained Age	Incremental Payments By Claim By Year - 2019 Level - Before Mortality - @ 12/31/18							
23	125,100	174,950	51,108	44,300	167,734	130,100	693,292	0.60%
24	115,100	144,950	51,108	14,300	140,384	30,100	495,942	0.43%
25	120,100	150,922	53,358	243,804	140,884	85,872	794,940	0.69%
26	120,100	150,422	51,608	243,304	162,771	85,372	813,577	0.71%
27	195,550	148,472	51,608	243,304	167,771	110,372	917,077	0.80%
28	195,550	148,972	239,254	243,804	163,271	85,872	1,076,723	0.94%
29	195,550	191,472	280,504	286,304	205,771	128,372	1,287,973	1.12%
30	195,550	148,472	237,504	243,304	162,771	85,372	1,072,973	0.94%
31	195,550	148,972	239,254	243,804	163,271	85,872	1,076,723	0.94%
32	202,550	162,772	247,504	248,304	188,771	117,872	1,167,773	1.02%
33	195,550	148,472	237,504	243,304	162,771	85,372	1,072,973	0.94%
34	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
35	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
36	195,550	191,472	280,504	286,304	205,771	143,526	1,303,127	1.14%
37	195,550	148,972	239,254	243,804	168,271	169,026	1,164,877	1.02%
38	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
39	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
40	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
41	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
42	202,550	162,772	247,504	248,304	188,771	176,026	1,225,927	1.07%
43	195,550	191,972	282,254	286,804	206,271	144,026	1,306,877	1.14%
44	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
45	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
46	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
47	195,550	148,472	237,504	243,304	167,771	168,526	1,161,127	1.01%
48	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
49	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
50	195,550	191,472	280,504	286,304	205,771	143,526	1,303,127	1.14%
51	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
52	202,550	163,272	249,254	248,804	189,271	176,526	1,229,677	1.07%
53	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
54	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
55	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
56	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
57	195,550	191,472	280,504	286,304	210,771	168,526	1,333,127	1.16%
58	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
59	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
60	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
61	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
62	202,550	162,772	247,504	248,304	188,771	176,026	1,225,927	1.07%
63	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
64	195,550	191,972	282,254	286,804	206,271	144,026	1,306,877	1.14%
65	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
66	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
67	195,550	148,972	239,254	243,804	168,271	169,026	1,164,877	1.02%
68	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
69	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
70	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
71	195,550	191,472	280,504	286,304	205,771	143,526	1,303,127	1.14%
72	202,550	162,772	247,504	248,304	188,771	176,026	1,225,927	1.07%
Subtotals:	9,510,700	7,830,956	11,323,720	12,071,192	8,562,739	6,864,562	56,163,869	49.00%



Summary of Estimated Payment Patterns - Loss & Expense  
Based on NICA Reserve Worksheets and Mortality Rates

Sample Calculation of Payment Pattern - Birth Year 1996

Estimated Loss & Expense Payments - 2019 Level - Before Consideration of Mortality

Claim Number	Date of Birth	Life Expectancy @ 12/31/18	Sex	(2)	(3)	(4)	(5)	(6)	(7)	Totals	Percent of Total By Year
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Attained Age	Incremental Payments By Claim By Year - 2019 Level - Before Mortality - @ 12/31/18							
73	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
74	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
75	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
76	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
77	195,550	148,472	237,504	243,304	167,771	168,526	1,161,127	1.01%
78	195,550	191,472	280,504	286,304	205,771	143,526	1,303,127	1.14%
79	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
80	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
81	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
82	202,550	163,272	249,254	248,804	189,271	176,526	1,229,677	1.07%
83	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
84	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
85	195,550	191,972	282,254	286,804	206,271	144,026	1,306,877	1.14%
86	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
87	195,550	148,472	237,504	243,304	167,771	168,526	1,161,127	1.01%
88	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
89	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
90	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
91	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
92	202,550	205,772	290,504	291,304	231,771	176,026	1,397,927	1.22%
93	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
94	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
95	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
96	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
97	195,550	148,972	239,254	243,804	168,271	169,026	1,164,877	1.02%
98	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
99	195,550	191,472	280,504	286,304	205,771	143,526	1,303,127	1.14%
100	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
101	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
102	202,550	162,772	247,504	248,304	188,771	176,026	1,225,927	1.07%
103	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
104	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
105	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
106	195,550	191,972	282,254	286,804	206,271	144,026	1,306,877	1.14%
107	195,550	148,472	237,504	243,304	167,771	168,526	1,161,127	1.01%
108	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
109	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
110	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
111	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
112	202,550	163,272	249,254	248,804	189,271	176,526	1,229,677	1.07%
113	195,550	191,472	280,504	286,304	205,771	143,526	1,303,127	1.14%
114	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
115	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
116	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
117	195,550	148,472	237,504	243,304	167,771	168,526	1,161,127	1.01%
118	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
119	195,550	148,472	237,504	243,304	162,771	143,526	1,131,127	0.99%
120	195,550	191,472	280,504	286,304	205,771	143,526	1,303,127	1.14%
121	195,550	148,972	239,254	243,804	163,271	144,026	1,134,877	0.99%
122	202,550	162,772	247,504	248,304	188,771	176,026	1,225,927	1.07%
Subtotals:	9,812,500	7,804,600	12,255,950	12,499,700	8,603,050	7,472,300	58,448,100	51.00%
Totals All:	19,323,200	15,635,556	23,579,670	24,570,892	17,165,789	14,336,862	114,611,969	100.00%

Expense Group	Accident Year	Accident Year	Accident Year	Accident Year	Accident Year	Accident Year	Accident Year	Accident Year	Accident Year	Estimated
	1/1 - 12/31	1/1 - 12/31	1/1 - 12/31	1/1 - 12/31	1/1 - 12/31	1/1 - 12/31	1/1 - 12/31	1/1 - 12/31	1/1 - 12/31	Accident Year
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>Incremental Payments By Major Expense Groups</b>										
Legal Expense	N/A	1,348,962	1,472,264	1,046,543	1,232,427	668,653	484,569	584,838	452,621	452,621
Parental Award	N/A	1,772,862	854,442	1,254,414	1,404,094	1,186,749	1,254,253	1,365,273	1,175,718	1,175,718
Medical Expense	N/A	795,785	792,882	845,548	967,563	974,935	967,347	939,392	855,074	855,074
Nursing Care - By Parents & Family Care	N/A	5,533,089	5,409,777	6,505,561	7,530,367	8,620,254	9,627,298	10,349,737	10,333,679	10,333,679
Nursing Care - By Others	N/A	2,555,000	3,010,739	2,668,850	2,444,120	2,416,880	2,418,489	1,972,943	2,081,185	2,081,185
Custodial	N/A	19,113	98,021	73,571	172,325	30,724	50,965	130,563	19,006	19,006
Other	N/A	2,305,512	1,339,156	1,717,202	1,761,129	1,925,764	1,627,714	2,218,698	2,673,017	2,673,017
Totals:		14,330,324	12,977,280	14,111,688	15,512,025	15,823,958	16,430,635	17,561,445	17,590,302	17,590,302
<b>Case Outstanding By Major Expense Groups</b>										
Legal Expense	1,659,638	2,385,144	836,323	660,811	228,321	88,453	168,803	-	-	-
Parental Award	589,640	605,992	353,242	603,806	515,023	812,964	558,710	552,204	517,333	517,333
Medical Expense	45,291,470	53,134,220	51,818,777	52,678,076	54,293,469	56,178,917	53,776,781	54,909,282	57,610,440	57,610,440
Nursing Care - By Parents & Family Care	82,024,515	85,104,653	130,484,827	122,444,207	138,840,113	154,500,907	160,582,139	167,831,990	178,828,226	178,828,226
Nursing Care - By Others	283,976,757	319,886,113	285,088,770	292,576,532	284,914,056	284,634,842	278,707,710	282,636,036	289,452,886	289,452,886
Custodial	56,034,080	60,833,849	118,024,732	117,392,957	132,525,811	134,228,759	151,741,811	138,361,013	146,219,982	146,219,982
Other	68,822,838	77,191,310	75,879,069	76,658,051	78,245,243	82,827,705	80,001,953	83,707,417	86,008,001	86,008,001
Totals:	538,398,938	599,141,281	662,485,739	663,014,440	689,562,035	713,272,547	725,537,907	727,997,942	758,636,868	758,636,868
<b>Percentage by Expense Group - Based on Incremental Payments</b>										
Legal Expense	10.75%	9.41%	11.34%	7.42%	7.94%	4.23%	2.95%	3.33%	2.57%	2.57%
Parental Award	13.53%	12.37%	6.58%	8.89%	9.05%	7.50%	7.63%	7.77%	6.68%	6.68%
Medical Expense	5.60%	5.55%	6.11%	5.99%	6.24%	6.16%	5.89%	5.35%	4.86%	4.86%
Nursing Care - By Parents & Family Care	36.63%	38.61%	41.69%	46.10%	48.55%	54.48%	58.59%	58.93%	58.75%	58.75%
Nursing Care - By Others	18.92%	17.83%	23.20%	18.91%	15.76%	15.27%	14.72%	11.23%	11.83%	11.83%
Custodial	0.15%	0.13%	0.76%	0.52%	1.11%	0.19%	0.31%	0.74%	0.11%	0.11%
Other	14.41%	16.09%	10.32%	12.17%	11.35%	12.17%	9.91%	12.63%	15.20%	15.20%
<b>Percentage by Expense Group - Based on Case Outstanding</b>										
Legal Expense	0.31%	0.40%	0.13%	0.10%	0.03%	0.01%	0.02%	0.00%	0.00%	0.00%
Parental Award	0.11%	0.10%	0.05%	0.09%	0.07%	0.11%	0.08%	0.08%	0.07%	0.07%
Medical Expense	8.41%	8.87%	7.82%	7.95%	7.87%	7.88%	7.41%	7.54%	7.59%	7.59%
Nursing Care - By Parents & Family Care	15.23%	14.20%	19.70%	18.47%	20.13%	21.66%	22.13%	23.05%	23.57%	23.57%
Nursing Care - By Others	52.74%	53.39%	43.03%	44.13%	41.32%	39.91%	38.41%	38.82%	38.15%	38.15%
Custodial	10.41%	10.15%	17.82%	17.71%	19.22%	18.82%	20.91%	19.01%	19.27%	19.27%
Other	12.78%	12.88%	11.45%	11.56%	11.35%	11.61%	11.03%	11.50%	11.34%	11.34%
<b>Estimated Inflation By Component - Paid Basis</b>										
Legal Expense (a)	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%
Parental Award (b)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Medical Expense (c)	3.28%	3.49%	3.21%	2.01%	2.96%	2.58%	4.07%	1.78%	2.01%	1.00%
Nursing Care - By Parents & Family Care (d)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Nursing Care - By Others (e)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.00%	0.99%	0.00%	0.00%
Custodial (f)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other (g)	1.50%	2.96%	1.74%	1.50%	0.76%	0.73%	2.07%	2.11%	1.91%	1.18%
<b>Estimated Inflation By Component - Outstanding Basis</b>										
Legal Expense (a)	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%
Parental Award (b)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Medical Expense (h)	1.97%	2.09%	1.93%	1.21%	1.77%	1.55%	2.44%	1.07%	1.21%	0.60%
Nursing Care - By Parents & Family Care (d)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Nursing Care - By Others (e)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.00%	0.00%	0.00%	0.00%
Custodial (f)	0.00%	0.00%	95.00%	3.00%	0.00%	0.00%	4.50%	0.00%	0.00%	0.00%
Other (h)	0.90%	1.78%	1.04%	0.90%	0.45%	0.44%	1.24%	1.27%	1.15%	0.71%
<b>Combined (i)</b>										
Estimated Inflation - Paid Basis	0.78%	1.00%	0.78%	0.57%	0.55%	0.40%	0.69%	0.59%	0.48%	0.32%
Estimated Inflation - O/S Basis	0.29%	0.42%	9.83%	0.72%	0.19%	0.17%	2.01%	0.22%	0.22%	0.13%

Note: See Appendix B, Exhibit I, Sheet 4 for footnotes.

Expense Group	Accident Year 1/1 - 12/31	Accident Year 1/1 - 12/31	Accident Year 1/1 - 12/31	Accident Year 1/1 - 12/31	Accident Year 1/1 - 12/31	Accident Year 1/1 - 12/31	Accident Year 1/1 - 12/31	Accident Year 1/1 - 12/31	Accident Year 1/1 - 12/31	Accident Year 1/1 - 12/31
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>Incremental Payments By Major Expense Groups</b>										
Legal Expense	547,451	789,578	768,406	699,574	753,238	761,521	768,799	911,182	1,117,819	1,251,650
Parental Award	1,684,863	1,569,503	1,380,762	1,448,569	1,266,247	987,149	1,088,568	1,483,153	1,621,648	1,521,430
Medical Expense	324,050	361,786	316,867	379,945	477,673	486,436	414,019	438,949	502,243	584,938
Nursing Care - By Parents & Family Care	77,850	107,770	265,098	500,284	664,698	959,815	1,287,167	1,455,477	2,280,726	3,586,973
Nursing Care - By Others	1,661,676	1,774,150	1,570,635	1,664,923	1,767,678	2,126,820	2,368,333	2,187,588	2,022,477	2,072,130
Custodial	47,053	14,388	7,179	13,490	29,407	19,776	20,370	38,594	29,076	18,070
Other	406,846	640,781	809,365	834,009	1,296,472	1,401,403	1,083,585	1,177,848	1,338,828	1,317,625
Totals:	4,749,789	5,257,955	5,118,312	5,540,794	6,255,412	6,742,920	7,030,842	7,692,791	8,912,818	10,352,817
<b>Case Outstanding By Major Expense Groups</b>										
Legal Expense									739,159	1,016,335
Parental Award									311,440	371,029
Medical Expense									28,168,684	31,284,580
Nursing Care - By Parents & Family Care									51,105,085	61,522,465
Nursing Care - By Others									229,063,637	247,156,314
Custodial									64,170,720	55,975,200
Other									52,596,208	58,056,740
Totals:									426,154,933	455,382,663
<b>Percentage by Expense Group - Based on Incremental Payments</b>										
Legal Expense	11.53%	15.02%	15.01%	12.63%	12.04%	11.29%	10.93%	11.84%	12.54%	12.09%
Parental Award	35.47%	29.85%	26.98%	26.14%	20.24%	14.64%	15.48%	19.28%	18.19%	14.70%
Medical Expense	6.82%	6.88%	6.19%	6.86%	7.64%	7.21%	5.89%	5.71%	5.64%	5.65%
Nursing Care - By Parents & Family Care	1.64%	2.05%	5.18%	9.03%	10.63%	14.23%	18.31%	18.92%	25.59%	34.65%
Nursing Care - By Others	34.98%	33.74%	30.69%	30.05%	28.26%	31.54%	33.68%	28.44%	22.69%	20.02%
Custodial	0.99%	0.27%	0.14%	0.24%	0.47%	0.29%	0.29%	0.50%	0.33%	0.17%
Other	8.57%	12.19%	15.81%	15.05%	20.73%	20.78%	15.41%	15.31%	15.02%	12.73%
<b>Percentage by Expense Group - Based on Case Outstanding</b>										
Legal Expense	0.17%	0.17%	0.17%	0.17%	0.17%	0.17%	0.17%	0.17%	0.17%	0.22%
Parental Award	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.08%
Medical Expense	6.61%	6.61%	6.61%	6.61%	6.61%	6.61%	6.61%	6.61%	6.61%	6.87%
Nursing Care - By Parents & Family Care	11.99%	11.99%	11.99%	11.99%	11.99%	11.99%	11.99%	11.99%	11.99%	13.51%
Nursing Care - By Others	53.75%	53.75%	53.75%	53.75%	53.75%	53.75%	53.75%	53.75%	53.75%	54.27%
Custodial	15.06%	15.06%	15.06%	15.06%	15.06%	15.06%	15.06%	15.06%	15.06%	12.29%
Other	12.34%	12.34%	12.34%	12.34%	12.34%	12.34%	12.34%	12.34%	12.34%	12.75%
<b>Estimated Inflation By Component - Paid Basis</b>										
Legal Expense (a)	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%
Parental Award (b)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Medical Expense (c)	4.17%	4.72%	5.05%	3.71%	4.24%	4.29%	3.56%	5.16%	2.65%	3.37%
Nursing Care - By Parents & Family Care (d)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	27.32%	21.46%
Nursing Care - By Others (e)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Custodial (f)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other (g)	3.39%	1.55%	2.38%	1.88%	3.26%	3.42%	2.54%	4.08%	0.09%	2.72%
<b>Estimated Inflation By Component - Outstanding Basis</b>										
Legal Expense (a)	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%
Parental Award (b)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Medical Expense (h)	2.50%	2.83%	3.03%	2.22%	2.54%	2.57%	2.14%	3.10%	1.59%	2.02%
Nursing Care - By Parents & Family Care (d)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	54.64%	0.00%
Nursing Care - By Others (e)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Custodial (f)	0.00%	0.00%	0.00%	0.00%	40.00%	3.00%	40.00%	0.00%	0.00%	0.00%
Other (h)	2.03%	0.93%	1.43%	1.13%	1.95%	2.05%	1.52%	2.45%	0.05%	1.63%
<b>Combined (i)</b>										
Estimated Inflation - Paid Basis	0.98%	1.05%	1.22%	0.99%	1.42%	1.41%	0.99%	1.32%	6.50%	7.62%
Estimated Inflation - O/S Basis	0.42%	0.30%	0.38%	0.29%	4.94%	0.87%	4.86%	0.50%	4.55%	0.35%

Note: See Appendix B, Exhibit I, Sheet 4 for footnotes.

Expense Group	Accident Year 1/1 - 12/31 1990	Accident Year 1/1 - 12/31 1991	Accident Year 1/1 - 12/31 1992	Accident Year 1/1 - 12/31 1993	Accident Year 1/1 - 12/31 1994	Accident Year 1/1 - 12/31 1995	Accident Year 1/1 - 12/31 1996	Accident Year 1/1 - 12/31 1997	Accident Year 1/1 - 12/31 1998	Accident Year 1/1 - 12/31 1999
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)

**Incremental Payments By Major Expense Groups**

Legal Expense	N/A	192,899	361,181	423,066	495,111	611,088	566,488	466,635	535,583	489,006
Parental Award	N/A	574,493	682,393	568,464	1,034,652	1,775,690	1,305,192	1,065,584	1,452,768	1,556,838
Medical Expense	N/A	111,200	100,481	114,259	120,146	140,970	170,987	187,374	326,563	335,203
Nursing Care - By Parents & Family Care	N/A	125,469	104,966	46,536	18,312	42,905	60,030	39,920	87,805	84,323
Nursing Care - By Others	N/A	47,350	80,085	109,144	135,969	265,078	505,495	769,201	974,683	1,123,079
Custodial	N/A	19,122	77,831	107,096	93,591	93,012	100,527	121,690	136,171	103,378
Other	N/A	43,241	73,598	73,204	69,438	118,678	179,756	257,990	317,394	357,161
Totals:		1,113,775	1,480,534	1,441,768	1,967,220	3,047,422	2,888,475	2,908,394	3,830,965	4,048,988

**Case Outstanding By Major Expense Groups**

Legal Expense
Parental Award
Medical Expense
Nursing Care - By Parents & Family Care
Nursing Care - By Others
Custodial
Other
Totals:

**Percentage by Expense Group - Based on Incremental Payments**

Legal Expense	17.32%	17.32%	24.40%	29.34%	25.17%	20.05%	19.61%	16.04%	13.98%	12.08%
Parental Award	51.58%	51.58%	46.09%	39.43%	52.59%	58.27%	45.19%	36.64%	37.92%	38.45%
Medical Expense	9.98%	9.98%	6.79%	7.92%	6.11%	4.63%	5.92%	6.44%	8.52%	8.28%
Nursing Care - By Parents & Family Care	11.27%	11.27%	7.09%	3.23%	0.93%	1.41%	2.08%	1.37%	2.29%	2.08%
Nursing Care - By Others	4.25%	4.25%	5.41%	7.57%	6.91%	8.70%	17.50%	26.45%	25.44%	27.74%
Custodial	1.72%	1.72%	5.26%	7.43%	4.76%	3.05%	3.48%	4.18%	3.55%	2.55%
Other	3.88%	3.88%	4.97%	5.08%	3.53%	3.89%	6.22%	8.87%	8.28%	8.82%

**Percentage by Expense Group - Based on Case Outstanding**

Legal Expense	0.17%	0.17%	0.17%	0.17%	0.17%	0.17%	0.17%	0.17%	0.17%	0.17%
Parental Award	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
Medical Expense	6.61%	6.61%	6.61%	6.61%	6.61%	6.61%	6.61%	6.61%	6.61%	6.61%
Nursing Care - By Parents & Family Care	11.99%	11.99%	11.99%	11.99%	11.99%	11.99%	11.99%	11.99%	11.99%	11.99%
Nursing Care - By Others	53.75%	53.75%	53.75%	53.75%	53.75%	53.75%	53.75%	53.75%	53.75%	53.75%
Custodial	15.06%	15.06%	15.06%	15.06%	15.06%	15.06%	15.06%	15.06%	15.06%	15.06%
Other	12.34%	12.34%	12.34%	12.34%	12.34%	12.34%	12.34%	12.34%	12.34%	12.34%

**Estimated Inflation By Component - Paid Basis**

Legal Expense (a)	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%
Parental Award (b)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Medical Expense (c)	9.59%	7.92%	6.63%	5.39%	4.92%	3.95%	3.04%	2.82%	3.42%	3.67%
Nursing Care - By Parents & Family Care (d)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Nursing Care - By Others (e)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Custodial (f)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other (g)	6.11%	3.06%	2.90%	2.75%	2.67%	2.54%	3.32%	1.70%	1.61%	2.68%

**Estimated Inflation By Component - Outstanding Basis**

Legal Expense (a)	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%	3.72%
Parental Award (b)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Medical Expense (h)	5.75%	4.75%	3.98%	3.24%	2.95%	2.37%	1.82%	1.69%	2.05%	2.20%
Nursing Care - By Parents & Family Care (d)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Nursing Care - By Others (e)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Custodial (f)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other (h)	3.66%	1.84%	1.74%	1.65%	1.60%	1.52%	1.99%	1.02%	0.97%	1.61%

**Combined (i)**

Estimated Inflation - Paid Basis	1.75%	1.49%	1.46%	1.62%	1.30%	1.00%	1.09%	0.91%	0.92%	0.97%
Estimated Inflation - O/S Basis	0.81%	0.53%	0.47%	0.42%	0.39%	0.35%	0.37%	0.24%	0.26%	0.35%

Note: See Appendix B, Exhibit I, Sheet 4 for footnotes.

**Footnotes for Appendix B, Exhibit I, Sheets 1 to 3**

- Notes: (a) Increase in legal fees based on change in hourly rate from \$ 75 to \$ 150 over the period from 1989 to 2008 - assumed annual inflation of 3.72 %
- (b) The parental award amounts have not changed.
- (c) The estimated inflation rate by year for all payments related to medical items is based on the CPI - Medical Care Index.
- (d) The hourly rates for nursing care by parents have remained constant until June 2008 - the estimated change for 2008 and 2009 are developed assuming the increase in hourly rate from \$9.70 to \$15.00 occurred for paid losses before and after July 1, 2008. This change in hourly rate for nursing care by parents resulted in inflation rates of 27.32% ( $\$12.35 / \$9.70$ ) and 21.46% ( $\$15.00 / \$12.35$ ) for 2008 and 2009, respectively for paid basis. It resulted in an inflation rate of 54.64% ( $\$15.00 / \$9.70$ ) for case outstanding basis in 2008.
- (e) The hourly rate for LPN under nursing care by others have increased from \$24.45 to \$25.40 effective 7/1/2016.
- (f) The daily rates used to estimate the future cost of custodial residential care were revised in December 2004, 2005, 2006, 2012 2013 and 2016. These changes in the custodial residential care daily rate resulted in the estimated inflation rates of 40%, 3%, 40%, 95%, 3% and 4.5% for 2004, 2005, 2006, 2012, 2013 & 2016, respectively. This inflation change affects outstanding only.
- (g) Inflation related to all other payments is based on All Items CPI Index - Seasonally Adjusted.
- (h) The estimated inflation related to case outstanding (Medical and Other) is based on 60 % of CPI since a portion of the outstanding reserve estimate has not changed.
- (i) Weighted average of inverse of one plus the estimated inflation by component and the percent by component (paid and outstanding separately).

Year	Total Returns														Difference Between Average Returns				
	CPI All Items	CPI All Items % Change	CPI Medical Index % Chg	5 Year Avg % Chg	5 Year Avg % Chg	Large Company Stocks	Small Company Stocks	Long-Term Govt. Bonds	Inter-Term - Gov't Bonds	U.S. Treasury Bills	Corporate Bonds (Aaa Moody's)	Merrill Lynch US Corporate 15+ Yr Portfolio	Conservative Model Portfolio	NICA Return on Investment	Medical v 5 Yr Avg CPI (4) - (5)	Model v 5 Yr Avg CPI (13) - (5)	Model v CPI (13) - (3)	Conservative Model v CPI (14) - (3)	NICA v CPI (15) - (3)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1986	110.50	1.10%	7.71%	3.29%	18.67%	6.85%	24.53%	15.14%	6.16%	9.02%		14.49%	16.68%		4.41%	11.20%	13.39%	15.58%	
1987	115.40	4.43%	5.80%	3.41%	5.25%	-9.30%	-2.71%	2.90%	5.47%	9.38%		6.27%	-0.38%		2.39%	2.85%	1.83%	-4.81%	
1988	120.50	4.42%	6.91%	3.54%	16.61%	22.87%	9.67%	6.10%	6.35%	9.71%		12.02%	11.96%		3.37%	8.48%	7.60%	7.54%	
1989	126.10	4.65%	8.50%	3.68%	31.69%	10.18%	18.11%	13.29%	8.37%	9.26%		19.93%	17.17%		4.82%	16.25%	15.29%	12.52%	
1990	133.80	6.11%	9.59%	4.14%	-3.10%	-21.56%	6.18%	9.73%	7.82%	9.32%		3.94%	0.85%		5.44%	-0.20%	-2.17%	-5.26%	
1991	137.90	3.06%	7.92%	4.53%	30.47%	44.63%	19.30%	15.46%	5.59%	8.77%		19.66%	23.85%	5.88%	3.39%	15.12%	16.59%	20.79%	2.82%
1992	141.90	2.90%	6.63%	4.23%	7.62%	23.35%	8.05%	7.19%	3.51%	8.14%		10.17%	7.72%	3.27%	2.40%	3.49%	4.82%	7.27%	0.37%
1993	145.80	2.75%	5.39%	3.89%	10.08%	20.98%	18.24%	11.24%	2.90%	7.22%		9.28%	14.42%	3.12%	1.50%	5.39%	6.53%	11.68%	0.37%
1994	149.70	2.67%	4.92%	3.50%	1.32%	-3.11%	-7.77%	-5.14%	3.91%	7.96%		2.42%	-2.90%	3.62%	1.42%	-1.08%	-0.26%	-5.58%	0.95%
1995	153.50	2.54%	3.95%	2.79%	37.58%	34.46%	31.67%	16.80%	5.60%	7.59%		22.63%	27.43%	6.96%	1.16%	19.84%	20.09%	24.89%	4.42%
1996	158.60	3.32%	3.04%	2.84%	22.96%	17.62%	-0.93%	2.10%	5.21%	7.37%		13.18%	7.71%	5.79%	0.20%	10.34%	9.85%	4.39%	2.47%
1997	161.30	1.70%	2.82%	2.60%	33.36%	22.78%	15.85%	8.38%	5.26%	7.26%	7.41%	18.97%	17.36%	6.10%	0.22%	16.37%	17.27%	15.65%	4.40%
1998	163.90	1.61%	3.42%	2.37%	28.58%	-7.31%	13.06%	10.21%	4.86%	6.53%	6.84%	16.97%	10.95%	6.20%	1.05%	14.60%	15.36%	9.33%	4.59%
1999	168.30	2.68%	3.67%	2.37%	21.04%	29.79%	-8.97%	-1.77%	4.68%	7.04%	7.44%	11.44%	10.95%	1.30%	4.54%	9.07%	8.75%	3.22%	1.86%
2000	174.00	3.39%	4.17%	2.54%	-9.10%	-3.59%	21.48%	12.59%	5.89%	7.62%	8.18%	1.26%	8.29%	13.11%	1.63%	-1.28%	-2.13%	4.91%	9.72%
2001	176.70	1.55%	4.72%	2.19%	-11.89%	22.77%	3.70%	7.62%	3.83%	7.08%	7.61%	-1.16%	5.49%	3.98%	2.53%	-3.35%	-2.71%	3.94%	2.43%
2002	180.90	2.38%	5.05%	2.32%	-22.11%	-13.28%	17.84%	12.93%	1.65%	6.49%	7.41%	-4.81%	3.12%	-8.52%	2.73%	-7.13%	-7.18%	0.74%	-10.90%
2003	184.30	1.88%	3.71%	2.38%	28.68%	60.70%	1.45%	2.40%	1.02%	5.67%	6.44%	15.14%	16.85%	19.99%	1.33%	12.76%	13.26%	14.97%	18.11%
2004	190.30	3.26%	4.24%	2.49%	10.88%	18.39%	8.51%	2.25%	1.20%	5.63%	6.27%	7.26%	8.41%	10.27%	1.75%	4.77%	4.01%	5.15%	7.01%
2005	196.80	3.42%	4.29%	2.50%	4.91%	5.69%	7.81%	1.36%	2.98%	5.24%	5.88%	4.32%	4.76%	8.92%	1.79%	1.82%	0.90%	1.34%	5.50%
2006	201.80	2.54%	3.56%	1.19%	15.79%	16.17%	1.19%	3.14%	4.80%	5.59%	6.27%	9.59%	7.13%	12.77%	0.87%	6.89%	7.05%	4.59%	10.23%
2007	210.04	4.08%	5.16%	3.03%	5.49%	-5.22%	9.88%	10.05%	4.66%	5.56%	6.37%	6.43%	6.26%	8.72%	2.13%	3.39%	2.34%	2.18%	4.64%
2008	210.23	0.09%	2.65%	2.68%	-37.00%	-36.72%	25.87%	13.11%	1.60%	5.63%	7.35%	-11.63%	-1.13%	-25.81%	-0.03%	-14.31%	-11.72%	-1.22%	-25.90%
2009	215.95	2.72%	3.37%	2.57%	26.46%	25.57%	4.08%	2.82%	0.45%	5.61%	7.12%	14.23%	11.20%	20.99%	0.80%	11.66%	11.51%	8.48%	18.27%
2010	219.18	1.50%	3.28%	2.19%	15.06%	26.31%	4.25%	2.62%	0.30%	4.94%	5.95%	8.93%	9.32%	13.89%	1.09%	6.74%	7.43%	7.82%	12.39%
2011	225.67	2.96%	3.49%	2.27%	2.11%	1.02%	3.91%	2.16%	0.17%	6.24%	5.62%	3.03%	5.62%	10.37%	1.22%	0.76%	0.07%	-0.59%	-2.60%
2012	229.60	1.74%	3.21%	1.80%	16.00%	16.33%	2.92%	1.22%	0.17%	3.67%	4.78%	8.61%	6.91%	11.10%	1.41%	6.80%	6.86%	5.17%	9.36%
2013	233.05	1.50%	2.01%	2.08%	32.39%	41.31%	3.45%	1.74%	0.13%	4.23%	5.03%	16.12%	14.46%	12.86%	-0.07%	14.04%	14.62%	12.96%	11.36%
2014	234.81	0.76%	2.96%	1.69%	13.69%	5.76%	3.34%	2.14%	0.11%	4.16%	4.76%	7.95%	5.05%	5.82%	1.27%	6.26%	7.19%	4.30%	5.07%
2015	236.53	0.73%	2.58%	1.54%	-1.38%	-1.97%	2.84%	1.89%	0.30%	3.89%	4.76%	2.39%	1.33%	-1.65%	1.04%	8.85%	1.66%	0.60%	-2.38%
2016	241.43	2.07%	4.07%	1.36%	11.96%	26.56%	2.59%	1.63%	0.60%	3.66%	4.55%	6.91%	8.04%	6.97%	2.71%	5.55%	4.83%	5.96%	4.90%
2017	246.52	2.11%	1.78%	1.43%	21.83%	13.23%	2.89%	2.16%	1.17%	3.74%	4.37%	11.38%	7.71%	13.91%	0.35%	9.95%	9.27%	5.60%	11.81%
2018	251.23	1.91%	2.01%	1.52%	-4.38%	-8.48%	3.11%	2.85%	2.25%	3.93%	4.68%	0.06%	-0.35%	-6.52%	0.49%	-1.46%	-1.85%	-2.26%	-8.43%

**Geometric Mean of Annual Return**

1926 - 1929	-0.95%				19.19%	-4.50%	5.00%	4.19%	3.67%	4.64%		11.43%	6.72%			12.38%	7.67%		
1930 - 1939	-2.04%		0.65%	-2.06%	-0.05%	1.38%	4.88%	4.58%	0.56%	3.89%		3.65%	5.32%		2.71%	5.71%	5.68%	7.36%	
1940 - 1949	5.36%		3.66%	4.73%	9.17%	20.69%	3.24%	1.83%	0.41%	2.71%		5.64%	7.39%		-1.07%	0.91%	0.28%	2.03%	
1950 - 1959	2.22%		3.88%	2.54%	19.35%	16.90%	-0.07%	1.34%	1.86%	3.30%		10.35%	7.34%		1.34%	7.81%	8.13%	5.12%	
1960 - 1969	2.52%		4.11%	1.98%	7.81%	15.53%	1.45%	3.48%	3.88%	5.00%		6.18%	6.43%		2.13%	4.20%	3.66%	3.91%	
1970 - 1979	7.36%		8.03%	6.40%	5.87%	11.49%	5.52%	6.98%	6.31%	8.23%		7.35%	7.79%		1.63%	0.95%	-0.01%	0.43%	
1980 - 1989	5.10%		8.14%	6.24%	17.55%	15.83%	12.61%	11.91%	8.89%	11.32%		14.37%	13.99%		1.90%	8.13%	9.27%	8.90%	
1990 - 1999	2.93%		5.11%	3.32%	18.21%	15.09%	8.79%	7.20%	4.93%	7.72%	7.23%	12.43%	11.21%	5.04%	1.79%	9.11%	9.50%	8.28%	2.12%
2000 - 2009	2.52%		4.09%	2.54%	-0.95%	6.09%	9.88%	6.72%	2.79%	6.01%	6.89%	3.75%	6.94%	5.49%	1.55%	1.21%	1.23%	4.42%	2.96%
2010 - 2018	1.70%		2.82%	1.76%	11.72%	12.35%	3.25%	2.04%	0.58%	4.09%	4.94%	7.16%	6.01%	6.07%	1.05%	5.40%	5.47%	4.31%	4.37%
1991 - 2018	2.28%		3.85%	2.51%	9.76%	12.46%	7.45%	5.26%	2.65%	5.88%	6.13%	7.88%	8.37%	5.53%	1.34%	5.37%	5.60%	6.09%	3.26%

**Annual Std. Deviation**

1926 - 1929	1.43%				24.06%	39.46%	4.07%	2.28%	0.72%	0.10%		10.19%	10.50%			8.75%	9.07%		
1930 - 1939	5.01%		0.56%	2.88%	34.67%	60.30%	6.04%	3.61%	0.75%	0.72%		15.38%	16.88%		-2.32%	12.50%	10.37%	11.87%	
1940 - 1949	5.93%		2.71%	2.19%	16.51%	37.03%	3.75%	0.81%	0.33%	0.10%		7.34%	9.87%		0.52%	5.15%	1.41%	3.93%	
1950 - 1959	2.26%		0.99%	1.78%	19.79%	27.09%	4.86%	2.71%	0.75%	0.55%		8.36%	7.63%		-0.79%	6.58%	6.09%	5.37%	
1960 - 1969	1.80%		1.94%	0.84%	14.39%	32.07%	6.23%	3.52%	1.35%	0.95%		6.02%	6.99%		1.11%	5.18%	4.21%	5.19%	
1970 - 1979	3.45%		2.90%	1.48%	19.24%	31.10%	6.80%	4.69%	1.94%	0.76%		8.83%	9.68%		1.42%	7.35%	5.38%	6.23%	
1980 - 1989	3.22%		2.28%	2.83%	12.68%	17.20%	15.11%	8.08%	2.79%	1.91%		6.08%	8.89%		-0.56%	3.25%	2.86%	5.68%	
1990 - 1999	1.24%		2.26%	0.83%	14.16%	19.98%	12.82%	7.09%	1.36%	0.84%	0.34%	6.87%	9.53%	1.44%	1.44%	6.04%	5.63%	8.29%	0.20%
2000 - 2009	1.15%		0.79%	0.23%	21.11%	26.32%	8.67%	4.96%	1.89%	0.78%	0.74%	8.38%	4.80%	14.05%	0.55%	8.15%	7.24%	3.65%	12.90%
2010 - 2018	0.69%		0.78%	0.34%	11.29%	16.02%	0.54%	0.50%	0.71%	0.45%	0.52%	4.93%	4.56%	7.46%	0.44%	4.59%	4.23%	3.87%	6.76%
1991 - 2018	0.92%		1.36%	0.78%	17.48%	20.13%	9.48%	5.51%	2.08%	1.54%	1.18%	7.72%	6.94%	9.12%	0.58%	6.93%	6.80%	6.02%	8.20%

Column

(2)-(11),(14)  
 (3)  
 (13)  
 (14)

Provided by Client  
 [Col (2) / Prior Col (2)] - 1  
 [44% Col (6)] + [20% Col (9)] + [36% Col (11)]  
 [17.5% Col (6)] + [17.5% Col (7)] + [30% Col (8)] + [30% Col (9)] + [5% Col (10)]

Year	Total Returns													Difference Between Average Returns						
														Annual						NICA v
	CPI All Items	CPI All Items % Change	CPI Medical Index % Chg	5 Year Avg % Chg	Large Company Stocks	Small Company Stocks	Long-Term Govt. Bonds	Inter. Term - Gov't Bonds	U.S. Treasury Bills	Corporate Bonds (Aaa Moody's)	Merrill Lynch US Corporate 15+ Yr	Model Portfolio	Conservative Model Portfolio	NICA Return on Investment	Medical v 5 Yr Avg CPI (4) - (5)	Model v 5 Yr Avg CPI (13) - (5)	Model v CPI (13) - (3)	Conservative Model v CPI (14) - (3)	NICA v CPI (15) - (3)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
1926	17.70				11.62%	0.30%	7.77%	5.39%	3.30%	4.73%		7.89%	6.20%							
1927	17.30	-2.26%			37.49%	22.03%	8.93%	4.52%	3.10%	4.57%		19.04%	14.61%				21.30%	16.87%		
1928	17.10	-1.16%			43.61%	39.71%	0.10%	0.92%	3.57%	4.55%		21.01%	15.07%				22.17%	16.22%		
1929	17.20	0.58%			-8.42%	-51.35%	3.42%	6.01%	4.71%	4.73%		-0.80%	-7.40%				-1.39%	-7.98%		
1930	16.10	-6.40%			-24.90%	-38.10%	4.66%	6.71%	2.42%	4.55%		-7.98%	-7.49%				-1.39%	-1.10%		
1931	14.60	-9.32%		-3.71%	-43.34%	-49.71%	-5.31%	-2.32%	1.10%	4.58%		-17.89%	-18.52%		-14.18%	-8.57%		-9.20%		
1932	13.10	-10.27%		-5.31%	-8.19%	-5.41%	16.84%	8.81%	0.92%	5.01%		-0.04%	5.36%		5.27%	10.23%		15.63%		
1933	13.20	0.76%		-4.93%	53.99%	142.45%	-0.07%	1.83%	0.33%	4.49%		25.74%	34.92%		30.67%	24.97%		34.16%		
1934	13.40	1.52%		-4.74%	-1.44%	24.24%	10.03%	9.00%	0.17%	4.00%		2.61%	9.71%		7.35%	1.09%		8.19%		
1935	13.80	2.99%		-2.87%	47.67%	40.24%	4.98%	7.01%	0.16%	3.60%		23.67%	18.99%		26.54%	20.69%		16.00%		
1936	14.00	1.45%		-0.71%	33.92%	64.73%	7.52%	3.06%	0.16%	3.24%		16.70%	20.45%		17.41%	15.25%		19.00%		
1937	14.40	2.86%	0.98%	1.91%	-35.03%	-58.01%	0.23%	1.56%	0.33%	3.26%		-13.93%	-15.73%		-0.93%	-15.84%	-16.78%	-18.59%		
1938	14.00	-2.78%	0.00%	1.21%	31.12%	32.82%	5.53%	6.23%	0.00%	3.19%		16.09%	14.72%		-1.21%	14.88%	18.87%	17.50%		
1939	14.00	0.00%	0.97%	0.90%	-0.41%	0.32%	5.94%	4.52%	0.00%	3.01%		1.81%	3.12%		0.07%	0.90%	1.81%	3.12%		
1940	14.10	0.71%	0.00%	0.45%	-9.78%	-5.14%	6.09%	2.96%	0.00%	2.84%		-2.69%	0.10%		-0.45%	-3.14%	-3.40%	-0.61%		
1941	15.50	9.93%	0.96%	2.14%	-11.59%	-9.06%	0.93%	0.50%	0.08%	2.77%		-4.00%	-3.18%		-1.18%	-6.15%	-13.93%	-13.11%		
1942	16.90	9.03%	3.81%	3.38%	20.34%	44.59%	3.22%	1.94%	0.25%	2.83%		10.35%	12.92%		0.43%	6.98%	1.32%	3.89%		
1943	17.40	2.96%	4.59%	4.53%	25.90%	88.40%	2.09%	2.81%	0.33%	2.73%		12.94%	21.49%		0.06%	8.41%	9.98%	18.53%		
1944	17.80	2.30%	2.63%	4.99%	19.75%	53.70%	2.81%	1.80%	0.33%	2.72%		10.03%	14.25%		-2.36%	5.04%	7.73%	11.95%		
1945	18.20	2.25%	2.56%	5.29%	36.44%	73.62%	1.73%	2.22%	0.32%	2.62%		17.42%	23.16%		-2.73%	12.13%	15.17%	20.91%		
1946	21.50	18.13%	8.33%	6.93%	-8.07%	-11.63%	-0.10%	1.00%	0.40%	2.53%		-2.44%	-3.16%		1.40%	-9.37%	-20.57%	-21.29%		
1947	23.40	8.84%	6.92%	6.89%	5.71%	0.91%	-2.62%	0.91%	0.48%	2.61%		3.63%	0.67%		0.03%	-3.26%	-5.20%	-8.17%		
1948	24.10	2.99%	5.76%	6.90%	5.50%	-2.10%	3.40%	1.85%	0.80%	2.82%		3.80%	2.21%		-1.15%	-3.10%	0.81%	-0.78%		
1949	23.60	-2.07%	1.36%	6.03%	18.79%	19.74%	6.45%	2.32%	1.11%	2.66%		9.69%	9.43%		-4.67%	3.66%	11.76%	11.50%		
1950	25.00	5.93%	3.36%	6.76%	31.71%	38.74%	0.06%	0.70%	1.18%	2.62%		15.04%	12.62%		-3.41%	8.27%	9.10%	6.68%		
1951	26.50	6.00%	5.84%	4.34%	24.02%	7.81%	-3.93%	0.36%	1.48%	2.86%		11.67%	4.57%		1.51%	7.33%	5.67%	-1.43%		
1952	26.70	0.75%	4.29%	2.72%	18.37%	3.03%	1.16%	1.63%	1.68%	2.96%		9.47%	4.67%		1.57%	6.75%	8.72%	3.91%		
1953	26.90	0.75%	3.53%	2.27%	-0.99%	-6.48%	3.64%	3.23%	1.81%	3.20%		0.84%	0.84%		1.26%	-0.91%	0.61%	0.10%		
1954	26.70	-0.74%	2.27%	2.54%	52.62%	60.58%	7.19%	2.68%	0.89%	2.90%		24.73%	22.82%		-0.27%	22.19%	25.48%	23.56%		
1955	26.80	0.37%	3.33%	1.43%	31.56%	20.44%	-1.29%	-0.65%	1.54%	3.05%		14.86%	8.60%		1.91%	13.43%	14.48%	8.22%		
1956	27.60	2.99%	3.23%	0.82%	6.56%	4.28%	-5.59%	-0.42%	2.45%	3.36%		4.01%	0.22%		2.40%	3.19%	1.03%	-2.77%		
1957	28.40	2.90%	4.69%	1.25%	-10.78%	-14.57%	7.46%	7.84%	3.17%	3.89%		-1.78%	0.31%		3.43%	-3.03%	-4.68%	-2.59%		
1958	28.90	1.76%	4.48%	1.46%	43.36%	64.89%	-6.09%	-1.29%	1.50%	3.79%		20.18%	16.80%		3.02%	18.73%	18.42%	15.04%		
1959	29.40	1.73%	3.81%	1.95%	11.96%	16.40%	-2.26%	-0.39%	2.96%	4.38%		6.76%	4.32%		1.86%	4.81%	5.03%	2.59%		
1960	29.80	1.36%	3.21%	2.15%	0.47%	-3.29%	13.78%	11.76%	2.68%	4.41%		4.15%	7.30%		1.06%	2.00%	2.79%	5.94%		
1961	30.00	0.67%	3.11%	1.68%	26.89%	32.09%	0.97%	1.85%	2.10%	4.35%		13.77%	11.27%		1.43%	12.08%	13.10%	10.60%		
1962	30.40	1.33%	2.16%	1.37%	-8.73%	-11.90%	6.89%	5.56%	2.74%	4.33%		-1.17%	0.26%		0.78%	-2.54%	-2.51%	-1.07%		
1963	30.90	1.64%	2.53%	1.35%	22.80%	23.57%	1.21%	1.64%	3.16%	4.26%		11.89%	9.13%		1.18%	10.55%	10.25%	7.48%		
1964	31.20	0.97%	2.06%	1.20%	16.48%	23.52%	3.51%	4.04%	3.53%	4.41%		9.65%	9.44%		0.86%	8.45%	8.67%	8.47%		
1965	31.80	1.92%	2.82%	1.31%	12.45%	41.75%	0.71%	1.02%	3.92%	4.49%		7.30%	10.20%		1.51%	5.99%	5.38%	8.28%		
1966	32.90	3.46%	6.67%	1.87%	-10.06%	-7.01%	3.65%	4.69%	4.76%	5.13%		-1.64%	-0.25%		4.80%	-3.51%	-5.10%	-3.71%		
1967	33.90	3.04%	6.25%	2.21%	23.98%	83.57%	-9.18%	1.01%	4.23%	5.51%		12.74%	16.58%		4.04%	10.53%	9.70%	13.54%		
1968	35.50	4.72%	6.23%	2.82%	11.06%	35.97%	-0.26%	4.54%	5.21%	6.18%		8.00%	9.77%		3.41%	5.17%	3.28%	5.05%		
1969	37.70	6.20%	6.19%	3.87%	-8.50%	-25.05%	-5.07%	-0.74%	6.57%	7.03%		-7.29%	-7.29%		2.32%	-5.23%	-7.55%	-13.48%		
1970	39.80	5.57%	7.36%	4.60%	3.86%	-17.43%	12.11%	16.86%	6.52%	8.04%		7.96%	6.64%		2.76%	3.37%	2.39%	1.07%		
1971	41.10	3.27%	4.57%	4.56%	14.30%	16.50%	13.23%	8.72%	4.40%	7.39%		10.70%	12.20%		0.01%	6.14%	7.43%	8.93%		
1972	42.50	3.41%	3.28%	4.63%	18.99%	4.43%	5.69%	5.16%	3.82%	7.21%		11.98%	7.54%		-1.35%	7.35%	8.58%	4.14%		
1973	46.20	8.71%	5.29%	5.43%	-14.69%	-30.90%	-1.11%	4.61%	6.92%	7.44%		-2.86%	-6.58%		-0.14%	-8.29%	-11.57%	-15.29%		
1974	51.90	12.34%	12.56%	6.66%	-26.47%	-19.95%	4.35%	5.69%	8.03%	8.57%		-7.43%	-4.71%		5.91%	-14.08%	-19.76%	-17.05%		
1975	55.50	6.94%	9.82%	6.93%	37.23%	52.82%	9.20%	7.83%	5.79%	8.83%		21.12%	21.16%		2.89%	14.19%	14.19%	14.22%		
1976	58.20	4.86%	9.96%	7.25%	23.93%	57.38%	16.75%	12.87%	5.06%	8.43%		16.14%	23.37%		2.71%	8.89%	11.27%	18.50%		
1977	62.10	6.70%	8.87%	7.91%	-7.16%	25.38%	-0.69%	1.41%	5.12%	8.02%		0.02%	3.66%		0.96%	-7.89%	-6.68%	-3.04%		
1978	67.70	9.02%	8.83%	7.97%	6.57%	23.46%	-1.18%	3.49%	7.19%	8.73%		6.73%	6.31%		0.86%	-1.24%	-2.29%	-2.71%		
1979	76.70	13.29%	10.14%	8.16%	18.61%	43.46%	-1.23%	4.09%	10.37%	9.63%		12.47%	12.24%		1.98%	4.31%	-0.82%	-1.06%		
1980	86.30	12.52%	9.92%	9.28%	32.50%	39.88%	-3.95%	3.91%	11.24%	11.94%		19.38%	13.22%		0.64%	10.10%	6.86%	0.70%		
1981	94.00	8.92%	12.50%	10.09%	-4.92%	13.88%	1.86%	9.45%	14.70%	14.17%		4.83%	5.70%		2.41%	-5.26%	-4.10%	-3.23%		
1982	97.60	3.83%	11.00%	9.52%	21.55%	28.01%	40.36%	29.10%	10.54%	13.79%		20.27%	30.04%		1.48%	10.75%	16.44%	26.21%		
1983	101.30	3.79%	6.40%	8.47%	22.56%	39.67%	0.65%	7.41%	8.81%	12.04%		15.74%	13.75%		-2.07%	7.27%	11.95%	9.96%		
1984	105.30	3.95%	6.11%	6.60%	6.27%	-6.67%	15.48%	14.02%	9.85%	12.71%		10.14%	9.27%		-0.49%	3.54%	6.19%	5.32%		
1985	109.30	3.80%	6.76%	4.86%	31.73%	24.66%	30.97%	20.33%	7.72%	11.37%		22.12%	25.64%		1.91%	17.26%	18.32%	21.85%		

Development of Incurred Loss Tail Factor - 363 Months to Ultimate  
Based on Inverse Power Curve Fit to Weighted Average All Year Factors

Summary of Indicated Tail Factors  
Based on Alternative Time Intervals  
Beginning at 51:63, 63:75, and 75:87 Month Factors (a)

Fitted Interval	Wtd. Avg. All Years Beginning with Factor 63:75			Indicated Tail Factor 363:Ult. Based on Fitted Values Beginning with 51:63 Factor	Indicated Tail Factor 363:Ult. Based on Fitted Values Beginning with 75:87 Factor
	Intercept Ln (a)	Slope b	Indicated Tail Factor 363:Ult.	(5)	(6)
(1)	(2)	(3)	(4)		
First 11 Factors	0.8616	2.3371	1.0096	1.0160	1.0088
First 10 Factors	(0.6778)	1.6246	1.0285	1.0048	1.0211
First 9 Factors	1.3042	2.5543	1.0067	1.0030	1.1085
First 8 Factors	2.0012	2.8859	1.0040	1.0002	1.0216
First 7 Factors	7.1419	5.3693	1.0001	1.0005	1.0152
First 6 Factors	5.3457	4.4873	1.0003	1.0142	1.0001
First 5 Factors	(0.5835)	1.5244	1.0458	1.0048	1.0008
Average of All			1.0136	1.0062	1.0252
Selected Tail Factor 363:Ult.			1.0990		

Note: (a) Indicated tail factor based on inverse power curve fit (with  $y = 1 + a / (t + c)^b$  where  $c = -1$ ) to various time intervals as described in column (1). An example is shown in Appendix C, Exhibit II, Sheets 1 and 2.



Development of Incurred Loss Tail Factor - 363 Months to Ultimate  
Based on Inverse Power Curve Fit to Weighted Average All Year Factors

Example Shown Below for Fit to First Ten Dollar Weighted Average All Factors - Beginning with 51:63

Maturity	T Value	Incremental Development Factor (a)	Dev. Factor Minus 1.0 D Fact - 1 (3) - 1.0	X Value Ln(1/t) Log (1/ Col.(2))	Y Value Ln (Fact-1) Log (Col. (4))	Fitted Value Ln (Fact-1) Y = Col. (6) X = Col. (5)	Fitted Value Exp (Col. (7))	Fitted Loss Dev. Factor 1.0 + Col. (8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
51	5.25	1.08561	0.0856	-1.6582	-2.4580	-2.7278	0.0654	1.0654
63	6.25	1.06906	0.0691	-1.8326	-2.6728	-3.2208	0.0399	1.0399
75	7.25	1.00776	0.0078	-1.9810	-4.8591	-3.6404	0.0262	1.0262
87	8.25	1.03481	0.0348	-2.1102	-3.3578	-4.0058	0.0182	1.0182
99	9.25	1.01709	0.0171	-2.2246	-4.0692	-4.3293	0.0132	1.0132
111	10.25	1.01968	0.0197	-2.3273	-3.9281	-4.6196	0.0099	1.0099
123	11.25	1.00100	0.0010	-2.4204	-6.9078	-4.8828	0.0076	1.0076
135	12.25	1.00100	0.0010	-2.5055	-6.9078	-5.1236	0.0060	1.0060
147	13.25	1.04105	0.0411	-2.5840	-3.1929	-5.3455	0.0048	1.0048
159	14.25	1.00614	0.0061	-2.6568	-5.0934	-5.5512	0.0039	1.0039

(10) Ln a - Intercept =====> 1.9611  
 (11) a =====> 7.1074  
 (12) b - Slope =====> 2.8276  
 (13) Indicated Tail 363 to Ultimate =====> 1.0048  
 (14) Selected Tail 363 to Ultimate =====> 1.0990

Note: (a) Based on inverse power curve fit to the incurred loss development (weighted average all years) factors as shown on Exhibit VII, Sheets 2b-1, 2, and 3, factors from 51:63 to 159:171.

Development of Incurred Loss Tail Factor - 363 Months to Ultimate

Based on Inverse Power Curve Fit to Factors Shown in Appendix C, Exhibit II, Sheet 1

Extrapolated to 627 Months - Based on Approximate Life Expectancy at Age 30 (363 months)

Maturity	T Value	X Value		Fitted Loss		Fitted Loss Dev. Factor Cumulative Product of Col. (6)
		Ln(1/t) Log (1/ Col.(2))	Fitted Value (a) Ln (Fact-1)	Fitted Value Exp (Col. (4))	Dev. Factor (Incremental) 1.0 + Col. (5)	
-----	-----	-----	-----	-----	-----	-----
(1)	(2)	(3)	(4)	(5)	(6)	(7)
363	31.25	-3.44202	-7.7717	0.0004	1.0004	1.0048
375	32.25	-3.47352	-7.8607	0.0004	1.0004	1.0043
387	33.25	-3.50405	-7.9471	0.0004	1.0004	1.0039
399	34.25	-3.53369	-8.0309	0.0003	1.0003	1.0036
411	35.25	-3.56247	-8.1123	0.0003	1.0003	1.0033
423	36.25	-3.59044	-8.1914	0.0003	1.0003	1.0030
435	37.25	-3.61765	-8.2683	0.0003	1.0003	1.0027
447	38.25	-3.64414	-8.3432	0.0002	1.0002	1.0024
459	39.25	-3.66995	-8.4162	0.0002	1.0002	1.0022
471	40.25	-3.69511	-8.4873	0.0002	1.0002	1.0020
483	41.25	-3.71965	-8.5567	0.0002	1.0002	1.0018
495	42.25	-3.74360	-8.6245	0.0002	1.0002	1.0016
507	43.25	-3.76700	-8.6906	0.0002	1.0002	1.0014
519	44.25	-3.78986	-8.7552	0.0002	1.0002	1.0012
531	45.25	-3.81220	-8.8184	0.0001	1.0001	1.0011
543	46.25	-3.83406	-8.8802	0.0001	1.0001	1.0009
555	47.25	-3.85545	-8.9407	0.0001	1.0001	1.0008
567	48.25	-3.87640	-8.9999	0.0001	1.0001	1.0006
579	49.25	-3.89691	-9.0579	0.0001	1.0001	1.0005
591	50.25	-3.91701	-9.1148	0.0001	1.0001	1.0004
603	51.25	-3.93672	-9.1705	0.0001	1.0001	1.0003
615	52.25	-3.95604	-9.2251	0.0001	1.0001	1.0002
627	53.25	-3.97500	-9.2788	0.0001	1.0001	1.0001

Note: (a) Based on Slope and Intercept values shown in Appendix C, Exhibit II, Sheet 1 and X value shown in Column (3) above.

Actual Paid Loss and ALAE  
Current Level Basis

Before Reinsurance Recovery

Birth Year	Paid Loss & ALAE										
	@ 12/31/09 (a)	@ 12/31/10 (a)	@ 12/31/11 (a)	@ 12/31/12 (b)	@ 12/31/13 (b)	@ 12/31/14 (b)	@ 12/31/15 (b)	@ 12/31/16 (b)	@ 12/31/17 (b)	@ 12/31/18 (b)	@ 3/31/19 (b)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1989	10,186,409	10,458,034	10,858,188	11,264,469	11,960,429	12,703,237	13,334,954	13,907,887	14,267,027	14,638,997	14,709,082
1990	3,723,264	3,837,883	3,989,667	4,134,429	4,739,750	5,431,197	5,637,024	5,823,482	6,017,106	6,279,135	6,329,261
1991	3,412,646	3,925,649	4,405,095	5,367,300	6,403,902	7,111,676	7,663,287	8,163,390	8,706,421	9,314,249	9,450,182
1992	6,464,261	7,013,018	7,772,126	8,309,249	10,486,924	11,960,130	12,815,067	13,662,902	14,588,741	15,500,157	15,693,145
1993	11,600,217	12,313,100	13,089,455	13,913,903	15,456,495	16,811,505	17,688,776	18,583,444	19,373,096	20,331,661	20,584,293
1994	4,883,079	5,023,121	5,198,208	5,344,508	5,989,723	6,458,956	6,706,993	6,946,563	7,192,264	7,475,545	7,533,081
1995	3,873,071	4,829,658	5,595,923	5,921,580	7,168,370	8,042,178	8,707,711	9,315,298	10,038,156	10,574,141	10,709,402
1996	5,071,490	5,506,117	5,973,099	6,311,867	7,106,412	7,899,721	8,279,761	8,658,214	9,129,668	9,627,567	9,744,801
1997	5,207,959	5,901,603	6,522,569	7,543,370	9,312,837	10,296,445	10,877,579	11,452,153	11,977,563	12,557,481	12,681,034
1998	8,112,136	9,116,042	10,194,077	11,277,495	13,609,770	15,863,619	17,129,762	18,446,385	19,760,086	21,092,727	21,404,139
1999	6,164,930	6,912,528	7,719,729	8,273,551	9,732,949	10,418,299	10,955,512	11,455,006	11,901,286	12,245,496	12,352,026
2000	2,965,732	3,276,769	3,514,181	3,762,460	4,317,207	4,972,975	5,238,763	5,520,902	5,837,741	6,195,510	6,282,731
2001	3,883,121	4,175,734	4,515,405	4,842,890	5,425,462	5,877,102	6,434,214	6,883,540	7,320,379	7,833,708	7,936,906
2002	5,826,962	6,856,989	7,727,861	8,707,708	10,580,391	11,973,470	13,103,213	14,202,065	15,119,824	16,227,654	16,470,869
2003	1,772,921	1,930,389	2,203,060	2,495,687	2,753,640	3,099,320	3,596,458	3,994,291	4,352,130	4,674,834	4,744,326
2004	2,171,906	2,595,632	2,994,077	3,215,209	3,522,795	3,877,573	4,192,045	4,475,363	4,770,134	5,141,005	5,245,136
2005	2,142,949	3,240,890	3,997,772	4,719,465	5,198,978	5,677,987	6,111,341	6,586,084	7,095,668	7,624,142	7,738,709
2006	1,291,184	2,233,340	3,934,023	4,901,878	5,614,611	6,260,850	6,868,225	7,525,340	8,325,390	8,963,008	9,156,506
2007	909,414	2,145,757	3,232,481	4,101,955	5,212,346	6,071,909	7,004,826	7,953,448	8,849,635	9,693,497	9,871,440
2008	287,894	916,649	1,407,917	2,014,976	2,355,509	2,934,059	3,572,068	4,287,731	5,061,580	5,678,602	5,806,667
2009	114,839	628,299	1,532,304	2,438,709	3,142,736	3,691,740	4,230,225	5,156,527	6,451,376	7,100,090	7,247,798
2010		116,166	895,231	1,203,035	1,818,188	2,065,585	2,245,502	2,456,858	2,674,347	2,866,667	2,903,629
2011			11,245	178,666	877,041	1,559,805	2,333,485	3,117,907	3,794,991	4,353,878	4,530,039
2012				16,611	97,446	898,196	1,645,365	2,061,021	2,323,849	2,732,433	2,854,410
2013						114,394	873,399	1,747,648	2,424,840	3,154,345	3,737,777
2014							116,952	652,037	1,765,040	2,940,791	4,231,511
2015								0	365,465	1,346,365	2,609,468
2016								10,326	390,803	569,989	587,034
2017									5,229	455,087	637,742
2018										30,277	154,648
2019											0
Totals:											
2009 & Prior	90,066,385	102,837,202	116,377,216	128,862,658	150,091,237	167,433,947	180,147,805	193,000,014	206,135,268	218,769,205	221,691,533
2010 & Prior		102,953,368	117,272,447	130,065,693	151,909,425	169,499,532	182,393,308	195,456,871	208,809,616	221,635,871	224,595,162
2011 & Prior			117,283,692	130,244,359	152,786,466	171,059,337	184,726,793	198,574,778	212,604,607	225,989,749	229,125,201
2012 & Prior				130,260,969	152,883,912	171,957,533	186,372,157	200,635,799	214,928,456	228,722,182	231,979,611
2013 & Prior					152,998,305	172,830,932	188,119,805	203,060,639	218,082,801	232,459,960	235,916,635
2014 & Prior						172,947,884	188,771,842	204,825,679	221,023,592	236,691,471	240,357,618
2015 & Prior							188,771,842	205,191,144	222,369,957	239,300,938	243,238,082
2016 & Prior								205,201,470	222,760,760	239,870,927	243,825,117
2017 & Prior									222,765,989	240,326,014	244,462,859
2018 & Prior										240,356,291	244,617,507
2019 & Prior											244,617,507

Notes: (a) Based on actual paid loss and ALAE as shown in Exhibit I, Sheet 1c, Column (4) of reserve reports evaluated as of 12/31/2011 and prior,  
(b) Based on actual paid loss and ALAE as shown in Exhibit I, Sheet 1a, Column (4) of reserve reports evaluated as of 12/31/2012 and subsequent.

Actual Incurred Loss and ALAE  
Current Level Basis  
Before Inflation and Discount  
Before Reinsurance Recovery

Birth Year	Incurred Loss & ALAE											
	@ 12/31/09 (a)	@ 12/31/10 (a)	@ 12/31/11 (a)	@ 12/31/12 (b)	@ 12/31/13 (b)	@ 12/31/14 (b)	@ 12/31/15 (b)	@ 12/31/16 (b)	@ 12/31/17 (b)	@ 12/31/18 (b)	@ 3/31/19 (b)	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1989	25,392,567	26,078,544	25,583,011	27,706,619	26,373,709	26,675,829	26,051,832	26,326,147	25,441,183	25,702,077	26,490,082	
1990	13,314,815	10,443,544	10,543,426	12,118,649	11,460,479	11,121,608	11,216,567	11,406,760	12,078,863	12,124,934	12,124,934	
1991	22,161,349	22,464,393	23,417,200	28,845,823	27,053,131	27,437,409	27,781,984	28,295,975	27,582,759	27,832,120	27,832,120	
1992	45,578,473	45,939,767	46,942,773	55,890,448	52,815,766	52,867,490	50,976,324	51,656,458	51,825,758	52,149,680	51,049,383	
1993	45,769,261	46,809,981	42,703,727	48,709,272	44,371,745	44,496,964	45,096,852	45,229,024	44,240,688	44,771,955	47,070,479	
1994	15,697,230	16,210,446	18,343,661	20,873,806	20,730,853	20,768,073	21,178,550	21,338,915	20,463,924	20,675,749	20,675,749	
1995	30,541,666	29,252,587	27,611,220	28,549,550	31,116,266	31,193,690	30,817,517	31,573,999	32,530,259	33,033,922	33,033,922	
1996	32,557,199	32,684,558	24,024,889	28,929,040	28,427,439	30,016,711	28,837,569	29,370,705	30,070,691	29,864,307	29,864,307	
1997	38,463,312	43,675,859	41,626,317	44,901,093	45,773,854	42,295,331	41,082,818	41,695,864	39,746,715	40,457,327	40,457,327	
1998	54,563,346	61,812,278	60,372,902	69,428,161	71,845,599	74,110,454	74,869,360	73,947,873	67,690,266	70,152,725	70,152,725	
1999	26,384,594	30,676,593	27,364,683	29,426,181	30,621,162	26,815,846	27,279,195	26,851,564	26,469,569	27,054,078	27,054,078	
2000	22,486,180	21,268,225	17,120,713	21,576,045	18,959,802	19,436,294	19,326,133	19,745,527	21,260,799	21,722,522	21,115,573	
2001	21,353,204	24,146,698	22,453,008	27,428,112	26,466,604	26,011,537	27,662,585	28,764,655	29,028,446	29,663,340	29,663,340	
2002	67,771,825	65,863,004	75,780,805	81,408,182	80,239,381	75,578,631	73,816,750	71,230,346	69,075,832	70,560,398	68,397,862	
2003	11,350,748	13,844,639	15,168,263	15,986,156	15,239,817	15,719,835	15,365,678	15,565,872	18,044,410	18,209,635	16,366,857	
2004	26,994,425	22,859,791	23,353,511	23,639,048	24,722,792	24,881,802	24,763,096	24,467,783	27,934,816	28,781,989	28,781,989	
2005	40,349,156	51,636,560	49,969,413	50,170,611	41,236,975	33,705,260	32,296,495	33,337,907	32,289,079	32,986,431	32,986,431	
2006	33,495,282	37,658,562	48,568,924	49,129,618	48,994,258	50,001,133	52,359,974	53,254,022	48,406,081	50,537,021	49,249,531	
2007	16,105,434	32,149,065	42,727,201	45,320,710	43,306,651	43,280,986	41,872,020	43,492,063	38,318,675	38,987,317	38,987,317	
2008	19,305,512	27,518,410	45,383,414	47,873,092	52,865,872	50,399,012	56,105,819	52,603,536	52,483,297	51,043,082	51,043,082	
2009	2,400,124	12,214,510	32,754,971	43,304,404	47,846,038	45,798,713	48,326,705	52,107,418	58,470,612	59,034,654	59,034,654	
2010		367,288	11,709,849	23,432,658	28,572,781	27,241,537	27,631,375	26,491,003	28,170,398	28,907,752	28,887,752	
2011			8,025,000	18,092,817	27,966,715	38,554,067	47,898,365	46,663,004	47,391,514	47,765,304	47,765,304	
2012				12,090,000	20,346,124	28,272,096	31,340,190	24,080,908	28,663,775	32,385,451	33,476,533	
2013					8,415,555	14,108,083	24,160,711	27,946,444	30,675,106	29,432,728	29,430,617	
2014						6,459,800	22,999,374	37,678,801	39,204,196	40,746,108	39,409,631	
2015							0	18,702,803	25,309,491	40,552,485	42,028,767	
2016								2,984,445	3,189,395	7,092,710	7,105,900	
2017									220,615	12,515,921	18,805,633	
2018										11,120,164	13,837,666	
2019											30,000	
Totals:												
2009 & Prior	612,035,700	675,208,013	721,814,030	801,214,619	790,468,191	772,612,609	777,083,824	782,262,417	773,452,725	785,345,264	781,431,743	
2010 & Prior		675,575,300	733,523,879	824,647,277	819,040,972	799,854,146	804,715,198	808,753,421	801,623,124	814,253,016	810,319,495	
2011 & Prior			741,548,879	842,740,094	847,007,687	838,408,213	852,613,563	855,416,424	849,014,638	862,018,320	858,084,799	
2012 & Prior				854,830,094	867,353,811	866,680,309	883,953,753	879,497,332	877,678,413	894,403,771	891,561,332	
2013 & Prior					875,769,366	880,788,392	908,114,464	907,443,776	908,353,519	923,836,499	920,991,949	
2014 & Prior						887,248,192	931,113,838	945,122,577	947,557,715	964,582,608	960,401,580	
2015 & Prior							931,113,838	963,825,379	972,867,205	1,005,135,092	1,002,430,347	
2016 & Prior								966,809,825	976,056,601	1,012,227,802	1,009,536,247	
2017 & Prior									976,277,215	1,024,743,723	1,028,341,881	
2018 & Prior										1,035,863,887	1,042,179,546	
2019 & Prior											1,042,209,546	

Notes: (a) Based on actual paid and case outstanding loss and ALAE as shown in Exhibit I, Sheet 1c, Columns (4) and (2) of reserve reports evaluated as of 12/31/2011 and prior.

(b) Based on actual paid and case outstanding loss and ALAE as shown in Exhibit I, Sheet 1a, Columns (4) and (2) of reserve reports evaluated as of 12/31/2012 and subsequent.

Ultimate Loss and ALAE  
Birth Year Level Basis (Paid and Outstanding Loss and ALAE)  
Before Inflation and Discount  
Before Reinsurance Recovery

Birth Year	Ultimate Loss & ALAE										
	@ 12/31/09 (a)	@ 12/31/10 (a)	@ 12/31/11 (a)	@ 12/31/12 (a)	@ 12/31/13 (a)	@ 12/31/14 (b)	@ 12/31/15 (b)	@ 12/31/16 (b)	@ 12/31/17 (b)	@ 12/31/18 (b)	@ 3/31/19 (b)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1989	N/A	27,151,287	26,330,062	26,239,659	23,959,593	24,195,976	23,414,027	23,125,750	22,247,493	22,258,805	22,620,233
1990	N/A	11,614,027	11,477,027	11,641,938	10,246,976	9,999,835	9,939,137	9,834,515	10,241,714	10,174,453	10,078,098
1991	N/A	21,846,966	23,599,488	25,562,294	22,304,544	22,311,410	22,422,995	22,327,764	21,603,024	21,641,402	21,504,193
1992	N/A	45,007,814	45,510,337	49,648,408	43,814,483	44,193,315	42,324,758	41,873,921	41,648,941	41,582,298	40,514,823
1993	N/A	46,399,495	42,090,226	45,388,953	39,587,735	39,534,688	39,694,225	39,036,364	37,954,191	38,090,051	39,223,501
1994	N/A	17,704,344	19,509,699	20,997,772	19,372,951	18,678,491	18,851,442	18,217,559	17,763,746	17,795,413	17,521,518
1995	N/A	29,612,489	27,858,448	26,170,052	26,818,973	25,772,539	26,087,912	25,662,899	26,306,261	26,989,640	26,662,851
1996	N/A	34,616,867	25,704,748	27,833,390	26,231,269	25,801,313	24,493,693	24,589,056	24,969,372	24,861,140	24,880,846
1997	N/A	46,595,341	43,560,423	40,798,018	40,407,001	36,376,739	34,536,923	34,325,245	32,694,782	33,194,637	33,088,541
1998	N/A	66,412,941	63,607,918	63,521,734	61,517,550	63,630,834	63,226,390	60,905,055	55,860,280	58,204,362	57,692,902
1999	N/A	35,941,607	31,549,054	29,830,188	28,407,824	24,714,807	24,390,834	23,409,402	23,002,739	23,696,374	23,486,969
2000	N/A	26,019,849	21,007,662	22,396,391	18,726,468	17,876,978	17,216,907	17,027,251	18,099,943	18,418,564	17,885,188
2001	N/A	30,143,811	27,629,667	28,951,546	26,397,525	24,055,468	24,549,828	24,792,104	24,719,308	25,087,505	24,924,856
2002	N/A	81,623,942	89,912,951	84,119,393	77,166,072	71,583,645	67,160,964	62,125,579	59,580,427	60,392,984	58,178,002
2003	N/A	19,765,701	20,411,699	18,732,576	16,820,632	15,371,140	14,491,272	14,022,907	15,763,511	15,811,498	14,210,230
2004	N/A	34,906,670	33,509,530	28,899,731	28,835,840	26,266,333	25,078,722	23,496,241	26,097,578	26,056,758	24,944,720
2005	N/A	73,254,683	67,946,105	58,507,245	46,987,970	38,008,212	34,625,670	33,578,652	32,030,326	31,565,838	31,326,160
2006	N/A	59,312,524	66,536,687	58,405,872	57,971,240	58,221,693	57,273,917	55,106,696	49,374,895	50,311,984	47,049,460
2007	N/A	59,153,178	67,620,964	58,470,417	56,101,360	52,163,570	47,452,521	46,361,933	40,252,269	39,852,634	39,483,137
2008	N/A	66,478,546	79,164,976	68,213,720	68,761,560	64,432,055	66,360,989	58,916,171	57,179,737	54,195,381	51,614,740
2009	N/A	70,036,100	82,639,361	74,221,132	73,702,410	61,645,728	59,938,541	60,751,883	65,746,467	64,077,529	63,424,714
2010		64,978,389	69,884,924	64,673,667	56,447,824	43,747,351	35,510,801	32,471,443	32,871,068	32,238,079	32,008,123
2011			72,891,940	71,306,452	65,671,795	65,087,844	67,347,302	60,514,485	58,807,873	56,226,768	55,321,974
2012				81,217,094	76,746,568	67,114,423	57,809,164	43,294,886	39,903,132	42,641,332	39,885,520
2013					76,400,906	62,357,107	60,846,197	54,240,114	51,458,790	41,771,976	40,671,058
2014						69,737,636	80,346,694	84,954,480	68,887,830	63,582,211	59,749,323
2015							61,923,125	75,914,747	63,520,691	65,942,190	67,498,285
2016								69,229,336	56,397,130	40,327,403	36,523,405
2017									69,648,129	72,052,065	72,802,486
2018										83,644,236	78,480,797
2019 (3 Mo)											19,997,038
Totals:											
2009 & Prior	N/A	903,598,184	917,177,034	868,550,428	814,139,976	764,834,769	743,531,665	719,486,948	703,137,005	704,259,251	690,315,680
2010 & Prior		968,576,573	987,061,958	933,224,095	870,587,801	808,582,121	779,042,467	751,958,390	736,008,073	736,497,330	722,323,803
2011 & Prior			1,059,953,897	1,004,530,547	936,259,596	873,669,964	846,389,769	812,472,875	794,815,946	792,724,098	777,645,777
2012 & Prior				1,085,747,642	1,013,006,165	940,784,387	904,198,933	855,767,761	834,719,078	835,365,430	817,531,297
2013 & Prior					1,089,407,071	1,003,141,494	965,045,130	910,007,875	886,177,868	877,137,406	858,202,354
2014 & Prior						1,072,879,130	1,045,391,825	994,962,354	955,065,699	940,719,617	917,951,678
2015 & Prior							1,107,314,950	1,070,877,102	1,018,586,390	1,006,661,807	985,449,963
2016 & Prior								1,140,106,438	1,074,983,520	1,046,989,210	1,021,973,368
2017 & Prior									1,144,631,648	1,119,041,275	1,094,775,854
2018 & Prior										1,202,685,511	1,173,256,651
2019 & Prior											1,193,253,689

Note: (a) Based on historical estimates of ultimate loss and ALAE at birth year level before inflation and an anticipated investment income as shown in Column (7) of Exhibit IV of reserve reports evaluated as of 12/31/2013 and prior.  
(b) See Exhibit IV, Sheet 1, Column (2) of reserve reports evaluated as of 12/31/2014 and subsequent.

Ultimate Loss and ALAE  
Actual Paid and Current Level Outstanding Before Prospective Inflation and Discount  
Before Inflation and Discount  
Before Reinsurance Recovery

Birth Year	Ultimate Loss & ALAE											
	@ 12/31/09 (a)	@ 12/31/10 (a)	@ 12/31/11 (a)	@ 12/31/12 (b)	@ 12/31/13 (b)	@ 12/31/14 (b)	@ 12/31/15 (b)	@ 12/31/16 (b)	@ 12/31/17 (b)	@ 12/31/18 (b)	@ 3/31/19 (b)	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1989	30,195,406	31,013,780	30,302,524	32,662,292	31,283,689	31,469,118	30,462,198	30,430,686	29,246,689	29,318,266	30,138,496	
1990	16,245,871	13,213,102	13,155,761	14,871,810	14,150,051	13,663,968	13,606,869	13,628,986	14,227,333	14,164,464	14,155,275	
1991	25,563,433	24,954,229	27,201,674	32,897,544	30,896,715	30,694,703	30,914,846	31,267,424	30,329,935	30,457,286	30,448,017	
1992	52,762,445	50,796,217	51,820,930	63,695,571	60,456,635	60,573,984	58,153,407	58,461,943	58,278,747	58,312,637	57,113,215	
1993	53,982,015	52,079,760	47,624,682	56,359,640	52,344,829	51,837,574	52,138,771	51,936,583	50,530,018	50,807,973	52,734,676	
1994	20,606,060	19,583,922	21,745,732	25,995,859	25,577,544	24,502,615	24,771,605	24,264,459	23,680,669	23,764,362	23,505,904	
1995	36,386,656	33,041,315	31,392,335	32,691,605	36,475,380	34,730,142	35,055,879	35,002,803	35,946,787	36,947,666	36,635,315	
1996	41,081,064	38,326,178	28,672,897	34,219,094	34,784,174	34,054,192	32,351,892	32,962,635	33,535,980	33,441,040	33,598,910	
1997	48,276,930	51,540,936	48,562,684	51,684,192	54,619,408	48,898,105	46,508,461	46,927,643	44,777,076	45,528,680	45,514,210	
1998	67,105,294	73,205,094	70,673,787	78,809,076	81,912,168	84,654,728	84,225,777	82,393,345	75,648,623	78,950,805	78,478,865	
1999	35,469,979	39,466,371	34,938,796	36,306,404	37,383,127	32,136,323	31,736,790	30,812,415	30,294,112	31,270,594	31,115,796	
2000	30,665,379	28,356,997	23,037,519	27,324,802	24,434,778	23,371,455	22,525,893	22,607,943	24,086,292	24,548,529	23,917,263	
2001	29,466,949	32,760,575	30,231,415	34,994,886	33,994,147	30,763,220	31,442,585	32,252,183	32,195,308	32,729,847	32,612,567	
2002	89,829,000	88,640,493	98,299,372	102,197,306	100,852,407	93,163,144	87,458,847	82,156,773	78,853,193	80,039,362	77,367,045	
2003	17,352,578	21,361,345	22,214,126	22,442,880	21,586,870	19,629,041	18,485,142	18,136,582	20,478,428	20,562,331	18,485,522	
2004	41,925,368	37,567,720	36,310,314	34,533,322	35,562,370	32,300,491	30,866,114	29,382,705	32,749,998	32,754,129	32,649,807	
2005	63,388,909	78,569,317	73,374,866	69,958,032	57,686,770	46,515,525	42,398,405	41,793,993	39,904,713	39,378,177	39,403,341	
2006	56,804,169	63,345,467	71,604,504	69,642,638	68,245,099	68,485,821	67,490,299	66,108,309	59,343,178	60,598,885	58,977,936	
2007	43,932,498	62,882,409	72,358,633	69,436,362	65,669,897	61,030,854	55,614,372	55,288,691	48,074,049	47,688,524	47,484,915	
2008	70,240,739	66,960,112	80,058,011	74,863,254	76,924,563	72,115,450	74,397,721	67,287,501	65,428,405	62,124,948	61,877,220	
2009	65,842,195	70,271,249	83,227,624	81,077,021	81,914,437	68,475,520	66,638,074	68,736,752	74,480,094	72,664,826	72,345,582	
2010		64,978,389	70,135,006	70,499,869	62,574,064	48,496,715	39,378,914	36,647,659	37,160,337	36,496,317	36,304,133	
2011			72,891,940	77,584,464	72,600,196	71,996,315	74,559,791	68,192,855	66,336,890	63,486,298	62,629,546	
2012				81,217,094	77,309,410	67,729,133	58,440,532	44,610,051	41,198,718	44,119,040	44,991,234	
2013					76,400,906	62,478,164	61,072,531	55,495,022	52,757,475	42,904,798	42,002,707	
2014						69,737,636	80,485,475	86,783,624	70,511,636	65,208,558	61,384,075	
2015							61,923,125	77,433,227	64,925,458	67,537,373	69,237,390	
2016								69,229,336	56,524,744	40,507,989	37,404,032	
2017									69,648,129	72,211,327	73,110,389	
2018										83,644,236	78,634,965	
2019 (3 Mo)											19,997,038	
Totals:												
2009 & Prior	937,122,936	977,936,586	996,808,186	1,046,663,592	1,026,755,059	963,065,973	937,243,949	921,840,352	902,089,627	906,053,330	898,559,876	
2010 & Prior		1,042,914,976	1,066,943,192	1,117,163,461	1,089,329,123	1,011,562,688	976,622,863	958,488,010	939,249,964	942,549,647	934,864,009	
2011 & Prior			1,139,835,132	1,194,747,925	1,161,929,319	1,083,559,003	1,051,182,654	1,026,680,865	1,005,586,855	1,006,035,945	997,493,555	
2012 & Prior				1,275,965,019	1,239,238,729	1,151,288,136	1,109,623,186	1,071,290,917	1,046,785,572	1,050,154,985	1,042,484,788	
2013 & Prior					1,315,639,635	1,213,766,300	1,170,695,717	1,126,785,939	1,099,543,048	1,093,059,783	1,084,487,495	
2014 & Prior						1,283,503,936	1,251,181,192	1,213,569,563	1,170,054,683	1,158,268,341	1,145,871,570	
2015 & Prior							1,313,104,318	1,291,002,789	1,234,980,142	1,225,805,714	1,215,108,960	
2016 & Prior								1,360,232,125	1,291,504,885	1,266,313,703	1,252,512,992	
2017 & Prior									1,361,153,014	1,338,525,030	1,325,623,381	
2018 & Prior										1,422,169,266	1,404,258,346	
2019 & Prior											1,424,255,384	

Notes: (a) Based on actual paid loss and ALAE and total outstanding loss & ALAE before inflation and discount as shown in Columns (4) and (3) of Exhibit I, Sheet 1c of reserve reports evaluated as of 12/31/11 and prior.  
(b) Based on actual paid loss and ALAE and total outstanding loss & ALAE before inflation and discount as shown in Columns (4) and (3) of Exhibit I, Sheet 1a of reserve reports evaluated as 12/31/2012 and subsequent.

Ultimate Loss and ALAE  
Actual Paid and Current Level Outstanding After Prospective Inflation and Discount  
After Inflation and Discount  
Before Reinsurance Recovery

Birth Year	Ultimate Loss & ALAE										
	@ 12/31/09 (a)	@ 12/31/10 (a)	@ 12/31/11 (a)	@ 12/31/12 (b)	@ 12/31/13 (b)	@ 12/31/14 (b)	@ 12/31/15 (b)	@ 12/31/16 (b)	@ 12/31/17 (b)	@ 12/31/18 (b)	@ 3/31/19 (b)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1989	24,441,344	25,948,541	25,509,442	27,506,772	26,769,383	27,123,053	26,805,426	26,875,438	25,964,034	26,130,433	26,787,495
1990	12,808,521	11,232,113	11,625,555	13,159,030	12,801,141	12,365,439	12,168,747	12,239,885	12,789,992	12,789,755	12,800,583
1991	18,982,292	18,925,551	21,097,411	25,311,770	24,687,061	24,806,078	25,189,482	25,655,032	25,047,376	25,355,757	25,392,107
1992	39,675,481	38,220,549	40,222,982	49,327,350	47,876,956	48,344,732	47,216,267	47,716,384	48,119,766	48,471,434	47,624,160
1993	42,880,334	41,791,486	38,731,321	45,788,530	43,090,047	42,973,732	43,558,848	43,718,010	43,010,446	43,548,946	45,050,520
1994	15,511,446	15,277,614	16,761,793	20,064,060	19,867,432	19,099,948	19,373,601	19,131,405	19,083,459	19,270,039	19,095,531
1995	26,915,196	25,514,756	24,594,274	26,029,492	29,127,651	28,045,372	28,516,389	28,704,502	29,702,005	30,676,297	30,487,926
1996	30,841,922	29,640,210	23,306,497	27,492,683	28,231,067	27,759,412	26,648,821	27,352,277	27,972,026	27,994,856	28,164,285
1997	37,297,553	38,408,874	37,115,006	40,113,754	42,286,861	38,419,803	37,124,460	37,480,903	36,234,683	37,068,365	37,108,028
1998	50,964,904	55,458,158	54,498,067	60,767,030	63,468,215	66,084,761	66,580,979	65,785,746	61,025,424	63,895,585	63,641,229
1999	29,196,428	32,383,479	29,184,644	30,565,329	31,550,950	27,490,519	27,363,332	26,703,909	26,214,859	27,176,655	27,098,985
2000	23,206,043	21,551,843	18,016,710	21,062,633	18,979,138	18,396,036	18,031,693	18,245,985	19,495,776	20,137,823	19,694,454
2001	21,941,809	24,613,890	23,226,853	26,851,692	26,301,482	24,310,745	24,937,568	25,715,250	25,986,782	26,591,498	26,542,528
2002	69,791,893	66,487,667	73,147,995	76,262,326	76,648,996	71,252,206	68,058,132	64,256,069	62,535,820	63,958,182	62,047,697
2003	14,143,138	16,698,172	17,581,858	17,921,235	17,572,173	16,171,414	15,546,083	15,438,664	17,106,855	17,290,259	15,666,794
2004	29,160,067	26,493,106	26,130,395	25,034,954	26,012,771	25,020,810	24,172,266	23,094,449	25,376,483	25,364,821	25,330,155
2005	43,464,402	54,307,547	51,711,604	49,769,567	41,687,280	34,811,925	31,964,475	31,792,568	30,379,108	30,343,034	30,396,651
2006	38,500,429	43,369,044	50,126,583	49,183,485	48,785,647	51,478,446	50,784,676	50,336,631	45,855,599	47,019,519	45,888,549
2007	29,545,510	42,718,969	50,113,793	48,454,775	46,503,833	44,110,521	43,132,964	43,330,168	38,254,985	38,309,381	38,210,068
2008	46,611,215	44,717,134	54,385,826	51,148,205	52,939,180	50,395,677	52,713,571	49,345,410	46,953,609	45,133,053	45,035,143
2009	43,322,464	46,499,415	56,182,157	55,061,598	56,275,559	47,843,080	47,160,268	49,202,596	55,417,658	54,524,864	54,384,648
2010		42,506,678	46,963,905	47,244,604	42,551,480	33,550,530	27,627,157	25,943,105	26,463,338	25,270,979	25,150,805
2011			48,135,149	51,255,567	48,664,196	49,025,594	51,459,755	47,536,597	46,583,905	44,915,237	44,465,511
2012				53,164,473		45,663,550	40,043,978	30,959,093	28,754,324	30,887,223	31,583,612
2013					50,356,222	41,890,895	41,626,313	38,253,503	36,709,393	30,212,648	29,697,250
2014						46,089,913	54,048,934	58,832,041	48,382,677	45,234,556	42,766,421
2015							41,099,116	51,838,255	43,925,745	46,009,484	47,275,723
2016								45,882,758	37,786,424	27,158,139	25,089,463
2017									46,007,205	47,971,650	48,658,911
2018										54,950,285	51,845,519
2019 (3 Mo)											13,030,783
Totals:											
2009 & Prior	689,202,391	720,258,115	743,270,767	786,876,268	781,462,826	746,303,711	737,048,047	732,121,282	722,526,743	731,050,556	726,447,533
2010 & Prior		762,764,793	790,234,672	834,120,872	824,014,306	779,854,241	764,675,204	758,064,387	748,990,080	756,321,534	751,598,339
2011 & Prior			838,369,821	885,376,439	872,678,502	828,879,835	816,134,960	805,600,984	795,573,985	801,236,771	796,063,849
2012 & Prior				938,540,911	923,982,718	874,543,385	856,178,937	836,560,077	824,328,310	832,123,994	827,647,462
2013 & Prior					974,338,940	916,434,280	897,805,250	874,813,580	861,037,702	862,336,643	857,344,712
2014 & Prior						962,524,193	951,854,184	933,645,621	909,420,380	907,571,199	900,111,133
2015 & Prior							992,953,300	985,483,876	953,346,124	953,580,683	947,386,855
2016 & Prior								1,031,366,635	991,132,549	980,738,822	972,476,318
2017 & Prior									1,037,139,753	1,028,710,472	1,021,135,229
2018 & Prior										1,083,660,757	1,072,980,748
2019 & Prior											1,086,011,531

Notes: (a) Based on actual paid loss and ALAE and total outstanding loss & ALAE after inflation and discount as shown in Columns (4) and (7) of Exhibit I, Sheet 1c of reserve reports evaluated as of 12/31/11 and prior.  
(b) Based on actual paid loss and ALAE and total outstanding loss & ALAE after inflation and discount as shown in Columns (4) and (7) of Exhibit I, Sheet 1a of reserve reports evaluated as of 12/31/2012 and subsequent.

Adjusted to Birth Year Level

Birth Year	BY Level Paid (a) Loss & ALAE @ 3/31/19	Indicated Ultimate Loss & ALAE Based on Increased Utilization Rate of						Selected Total Limits Ultimate Loss & ALAE	Difference Between Selected Ultimate and Incremental Payment Method		
		Estimated Unpaid Loss & ALAE @ 3/31/19 Based on Increased Utilization Rate of (b)			1.00%	2.00%	3.00%		1.00%	2.00%	3.00%
		1.00%	2.00%	3.00%	(2) + (3)	(2) + (4)	(2) + (5)		(9) - (6)	(9) - (7)	(9) - (8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1989	11,791,474	9,020,972	11,190,711	14,127,330	20,812,446	22,982,185	25,918,805	22,620,233	1,807,787	(361,952)	(3,298,572)
1990	4,541,200	3,992,365	4,648,788	5,476,572	8,533,564	9,189,987	10,017,772	10,078,098	1,544,534	888,111	60,326
1991	6,538,425	15,038,569	19,071,681	24,744,163	21,576,994	25,610,105	31,282,587	21,504,193	(72,801)	(4,105,912)	(9,778,394)
1992	10,840,952	25,119,030	31,426,010	40,210,984	35,959,982	42,266,962	51,051,936	40,514,823	4,554,841	(1,752,139)	(10,537,113)
1993	16,085,044	22,481,953	27,683,250	34,839,018	38,566,996	43,768,294	50,924,062	39,223,501	656,504	(4,544,794)	(11,700,562)
1994	5,978,880	10,860,151	13,746,290	17,864,485	16,839,031	19,725,169	23,843,365	17,521,518	682,487	(2,203,651)	(6,321,847)
1995	7,856,380	19,872,208	24,752,914	31,628,503	27,728,587	32,609,293	39,484,883	26,662,851	(1,065,736)	(5,946,442)	(12,822,032)
1996	7,516,524	14,487,985	16,784,160	19,779,233	22,004,508	24,300,683	27,295,757	24,880,846	2,876,338	580,163	(2,414,911)
1997	9,107,769	24,577,447	30,450,605	38,750,711	33,685,216	39,558,374	47,858,480	33,088,541	(596,674)	(6,469,832)	(14,769,938)
1998	15,904,143	38,992,028	47,218,902	58,606,073	54,896,171	63,123,045	74,510,217	57,692,902	2,796,731	(5,430,143)	(16,817,315)
1999	9,710,146	11,074,454	12,852,442	15,209,465	20,784,599	22,562,588	24,919,610	23,486,969	2,702,370	924,382	(1,432,641)
2000	4,897,862	9,505,437	10,630,351	12,064,972	14,403,299	15,528,213	16,962,834	17,885,188	3,481,890	2,356,976	922,354
2001	6,671,246	17,410,304	20,766,646	25,390,325	24,081,550	27,437,892	32,061,571	24,924,856	843,306	(2,513,036)	(7,136,715)
2002	12,985,902	40,265,642	46,767,521	55,497,379	53,251,543	59,753,423	68,483,281	58,178,002	4,926,458	(1,575,421)	(10,305,279)
2003	3,976,577	8,760,967	9,559,672	10,559,950	12,737,544	13,536,249	14,536,527	14,210,230	1,472,686	673,981	(326,297)
2004	4,476,411	18,376,661	21,929,334	26,877,056	22,853,072	26,405,745	31,353,466	24,944,720	2,091,648	(1,461,026)	(6,408,747)
2005	6,507,444	20,550,847	23,519,893	27,481,775	27,058,290	30,027,337	33,989,218	31,326,160	4,267,870	1,298,823	(2,663,059)
2006	7,661,341	34,835,514	40,489,628	48,189,388	42,496,855	48,150,970	55,850,730	47,049,460	4,552,605	(1,101,510)	(8,801,270)
2007	8,302,092	25,966,026	28,485,091	31,704,325	34,268,119	36,787,183	40,006,417	39,483,137	5,215,019	2,695,954	(523,280)
2008	4,899,528	39,676,124	47,166,530	57,680,437	44,575,652	52,066,059	62,579,965	51,614,740	7,039,088	(451,319)	(10,965,225)
2009	6,719,754	45,251,516	52,710,019	62,979,069	51,971,270	59,429,774	69,698,823	63,424,714	11,453,444	3,994,940	(6,274,109)
2010	2,816,478	27,579,618	34,480,022	44,758,161	30,396,096	37,296,500	47,574,639	32,008,123	1,612,027	(5,288,377)	(15,566,517)
2011	4,380,372	37,894,385	43,776,767	51,844,338	42,274,757	48,157,139	56,224,710	55,321,974	13,047,218	7,164,835	(902,735)
2012	2,783,702	30,974,888	36,648,561	44,653,156	33,758,590	39,432,263	47,436,858	39,885,520	6,126,930	453,257	(7,551,338)
2013	3,859,215	23,548,830	25,760,849	28,623,774	27,408,045	29,620,064	32,482,989	40,671,058	13,263,013	11,050,994	8,188,069
2014	4,357,256	40,753,618	44,142,522	48,486,518	45,110,875	48,499,778	52,843,774	59,749,323	14,638,449	11,249,545	6,905,549
2015	2,829,095	51,623,292	58,322,821	67,369,724	54,452,387	61,151,917	70,198,819	67,498,285	13,045,898	6,346,369	(2,700,534)
2016	581,288	31,699,918	34,726,830	38,679,146	32,281,206	35,308,118	39,260,435	36,523,405	4,242,199	1,215,287	(2,737,029)
2017	632,362	55,425,684	61,055,924	68,467,412	56,058,046	61,688,287	69,099,775	72,802,486	16,744,440	11,114,199	3,702,712
2018	153,976	60,150,625	68,267,499	79,334,209	60,304,602	68,421,475	79,488,185	78,480,797	18,176,195	10,059,322	(1,007,388)
2019 (3 Mo)	0	14,669,672	16,583,457	19,177,464	14,669,672	16,583,457	19,177,464	19,997,038	5,327,365	3,413,581	819,574
Totals:	195,362,837	830,436,726	965,615,689	1,151,055,115	1,025,799,564	1,160,978,526	1,346,417,952	1,193,253,689	167,454,126	32,275,163	(153,164,263)
Excl. 2019	195,362,837	815,767,054	949,032,232	1,131,877,652	1,011,129,891	1,144,395,069	1,327,240,489	1,173,256,651	162,126,760	28,861,582	(153,983,838)

Notes: (a) See Exhibit VIII, Sheet 1, Column (2).

(b) See totals by birth year on Appendix E, Exhibit III, Sheet 1e based on increased utilization rate of 2.00%.



**Payment Pattern - 2019 Level - Before Inflation and Investment Income (a)**  
**Actual and Estimated Incremental Payments - 2019 Cost Level**

Year of Birth	Maturity (months) 3:15	Maturity (months) 15:27	Maturity (months) 27:39	Maturity (months) 39:51	Maturity (months) 51:63	Maturity (months) 63:75	Maturity (months) 75:87	Maturity (months) 87:99	Maturity (months) 99:111	Maturity (months) 111:123	Maturity (months) 123:135	Maturity (months) 135:147	Maturity (months) 147:159	Maturity (months) 159:171	Maturity (months) 171:183	Maturity (months) 183:195	Maturity (months) 195:207	Maturity (months) 207:219
1989	0	0	2,096,679	1,194,355	1,470,970	651,812	506,450	599,435	826,025	461,967	489,825	1,769,727	313,939	561,300	425,125	486,149	525,206	456,612
1990	0	556,832	831,008	81,338	434,723	271,367	209,533	116,226	152,698	96,436	95,511	135,776	186,211	320,805	353,902	385,757	352,561	154,648
1991	3,096	318,270	54,972	571,572	437,395	185,165	125,776	64,953	50,072	145,322	130,632	180,615	156,182	149,375	178,838	176,142	365,427	623,291
1992	16,895	344,305	944,721	1,344,339	618,727	460,835	364,839	337,726	253,288	301,107	342,823	468,950	427,219	406,757	386,379	445,055	496,288	531,873
1993	2,514	315,520	1,025,277	901,172	1,213,383	1,016,441	1,099,432	1,041,790	1,065,173	1,101,328	961,582	858,912	1,092,824	1,042,319	789,655	779,288	713,111	837,423
1994	278,933	773,794	680,344	676,500	360,448	1,029,382	393,684	437,210	251,440	74,280	299,624	654,371	82,948	93,450	190,680	159,066	182,907	148,987
1995	3,555	180,149	859,190	567,414	103,978	136,220	194,353	120,373	259,316	289,370	894,831	333,385	451,282	505,280	132,637	1,423,261	340,119	373,629
1996	6,017	877,065	305,960	735,687	380,009	906,819	588,734	355,776	406,536	424,458	349,293	418,589	364,137	406,196	477,034	480,414	333,463	400,538
1997	17,184	778,931	515,329	389,075	559,799	897,342	520,948	401,370	417,038	286,825	497,778	661,434	743,518	646,740	659,343	1,024,319	622,124	547,120
1998	45,892	989,610	1,054,964	1,026,733	658,234	554,704	1,688,970	751,910	915,071	689,917	948,529	973,465	1,103,387	1,101,224	1,064,925	1,419,527	1,300,051	1,292,511
1999	700,979	620,111	413,488	754,475	787,416	598,764	491,347	808,214	1,145,417	774,486	672,633	833,002	764,036	560,176	678,294	673,521	507,031	492,782
2000	435,061	662,287	696,923	614,130	362,288	255,560	173,102	214,226	191,616	169,783	330,485	258,309	248,611	332,450	323,245	275,311	314,716	309,942
2001	155,219	498,707	833,006	571,028	514,182	1,076,367	575,311	349,257	265,625	326,465	343,550	383,270	488,023	464,455	547,855	452,767	438,497	509,410
2002	158,839	717,730	914,250	877,080	1,049,494	779,104	1,616,389	1,043,459	1,053,635	922,665	1,118,907	1,297,169	1,090,560	1,154,616	1,094,056	1,009,539	1,034,145	1,276,180
2003	277,135	345,199	131,370	140,294	388,863	651,959	196,169	187,953	298,102	293,741	268,050	420,697	457,322	388,726	375,080	304,755	411,724	409,407
2004	4,804	452,671	771,104	574,998	341,720	514,492	425,884	402,057	205,297	345,162	350,402	329,067	298,289	310,902	380,429	460,662	453,038	458,285
2005	30	29,167	939,424	942,667	627,127	1,267,524	782,358	639,018	510,650	478,696	464,183	459,243	513,811	527,240	598,319	603,945	591,061	594,931
2006	2,347	348,721	434,758	1,038,158	792,016	1,904,991	859,629	731,789	627,789	631,616	729,547	755,004	651,633	873,564	880,436	890,937	874,161	882,187
2007	139,331	541,996	931,126	1,139,699	892,951	1,096,832	957,395	902,984	946,780	912,704	881,072	851,208	877,128	877,209	875,795	877,733	852,755	851,946
2008	6,288	416,054	666,711	703,467	392,388	396,784	601,739	660,620	725,536	785,654	590,693	779,243	771,266	780,753	789,182	800,963	788,263	797,968
2009	359,234	429,799	1,092,695	974,864	554,889	574,536	808,312	1,387,948	581,142	653,507	913,719	921,504	910,522	920,134	928,436	940,608	924,001	933,625
2010	126,078	980,858	189,364	658,667	241,339	165,927	254,058	186,512	178,864	372,011	380,703	385,970	383,409	389,560	395,247	402,687	397,858	404,373
2011	18,563	208,923	1,038,509	526,748	815,667	705,481	661,815	623,140	730,233	736,549	749,582	755,686	746,396	753,984	760,488	770,149	756,241	763,798
2012	23,169	249,166	769,375	724,462	419,485	277,445	432,070	497,430	507,287	512,893	523,230	528,781	523,577	530,234	536,181	544,415	536,015	542,854
2013	137,364	804,238	1,060,559	711,613	625,637	645,474	532,323	543,429	548,941	549,671	555,283	555,630	544,650	545,961	546,365	548,891	534,582	535,419
2014	170,441	820,132	988,897	1,406,244	1,088,207	1,144,380	947,015	965,234	973,452	973,152	981,458	980,421	959,407	960,051	959,068	961,768	934,973	934,672
2015	619	528,460	1,027,882	1,333,045	765,114	1,044,650	870,598	893,700	907,849	914,247	928,928	934,964	921,942	929,750	936,165	946,403	927,654	935,212
2016	369,617	143,488	78,097	729,472	558,116	758,894	629,830	643,830	651,241	653,003	660,589	661,935	649,782	652,294	653,743	657,758	641,601	643,621
2017	171,487	466,999	705,948	1,174,161	900,179	1,225,374	1,018,120	1,041,935	1,055,144	1,059,235	1,072,809	1,076,287	1,057,814	1,063,218	1,066,922	1,074,856	1,049,832	1,054,554
2018	154,648	322,247	615,729	1,034,241	798,680	1,091,530	910,552	935,635	951,397	959,071	975,470	982,829	970,163	979,427	987,260	999,167	980,486	989,626
2019	16,291	65,874	150,133	253,825	197,649	270,096	225,285	231,459	235,324	237,188	241,208	242,990	239,817	242,058	243,937	246,815	242,134	244,324

Notes: (a) For the actual incremental payments at 2019 level, see Appendix E, Exhibit IV, Sheets 3a and 3b. For the estimates of average incremental payments at 2019 level, see Appendix E, Exhibit III, Sheets 1a to 1g, then adjusted to 2019 level (factors from Appendix E, Exhibit II, Sheet 3, Column (5)).

**Average Incremental Payments Per Open Accepted Claim - 2019 Cost Level (a)**  
**Actual and Estimated Incremental Payments - 2019 Cost Level**

Year of Birth	Maturity (months) 3:15	Maturity (months) 15:27	Maturity (months) 27:39	Maturity (months) 39:51	Maturity (months) 51:63	Maturity (months) 63:75	Maturity (months) 75:87	Maturity (months) 87:99	Maturity (months) 99:111	Maturity (months) 111:123	Maturity (months) 123:135	Maturity (months) 135:147	Maturity (months) 147:159	Maturity (months) 159:171	Maturity (months) 171:183	Maturity (months) 183:195	Maturity (months) 195:207	Maturity (months) 207:219
1989			262,085	149,294	163,441	81,476	63,306	74,929	103,253	57,746	69,975	294,954	52,323	112,260	85,025	97,230	105,041	91,322
1990		185,611	118,715	11,620	62,103	38,767	29,933	16,604	21,814	13,777	13,644	19,397	26,602	45,829	50,557	64,293	70,512	38,662
1991	3,096	318,270	18,324	142,893	109,349	46,291	31,444	16,238	12,518	36,331	32,658	45,154	39,046	37,344	44,710	44,036	91,357	155,823
1992	8,448	86,076	78,727	103,411	47,594	38,403	30,403	28,144	23,026	27,373	31,166	42,632	38,838	36,978	38,638	44,505	49,629	59,097
1993	1,257	63,104	93,207	75,098	110,308	92,404	99,948	94,708	96,834	100,121	87,417	78,083	99,348	104,232	87,739	97,411	89,139	104,678
1994	139,467	386,897	136,069	112,750	60,075	147,055	56,241	87,442	62,860	18,570	74,906	163,593	20,737	23,362	47,670	39,767	45,727	37,247
1995		60,050	143,198	94,569	17,330	22,703	38,871	24,075	51,863	57,874	178,966	66,677	90,256	101,056	26,527	284,652	68,024	74,726
1996	3,008	292,355	76,490	147,137	63,335	151,137	98,122	59,296	67,756	70,743	58,215	69,765	60,689	67,699	79,506	80,069	55,577	66,756
1997	17,184	111,276	64,416	55,582	69,975	99,705	57,883	44,597	46,338	31,869	55,309	73,493	82,613	71,860	73,260	113,813	77,765	68,390
1998	11,473	141,373	117,218	85,561	59,839	46,225	140,747	62,659	76,256	57,493	79,044	81,122	91,949	91,769	88,744	118,294	108,338	107,709
1999	233,660	206,704	137,829	107,782	98,427	74,845	61,418	115,459	163,631	110,641	96,090	119,000	127,339	93,363	135,659	168,380	126,758	123,196
2000	217,531	165,572	139,385	122,826	72,458	51,112	34,620	42,845	38,323	33,957	66,097	51,662	49,722	66,490	64,649	55,062	62,943	61,988
2001		498,707	416,503	285,514	128,546	269,092	143,828	87,314	66,406	81,616	85,888	95,818	122,006	116,114	136,964	113,192	109,624	127,353
2002	79,419	143,546	83,114	67,468	80,730	51,940	107,759	69,564	70,242	61,511	74,594	92,655	77,897	82,473	84,158	77,657	79,550	98,168
2003			65,685	46,765	129,621	217,320	65,390	62,651	99,367	97,914	89,350	140,232	152,441	129,575	125,027	101,585	137,241	140,230
2004	4,804	150,890	257,035	143,750	68,344	102,898	85,177	80,411	41,059	69,032	70,080	65,813	59,658	62,180	76,086	92,132	91,500	93,493
2005	30	5,833	134,203	94,267	62,713	126,752	78,236	71,002	63,831	68,385	66,312	65,606	73,402	75,320	85,474	87,526	86,925	88,818
2006	2,347	116,240	72,460	115,351	79,202	190,499	85,963	73,179	62,779	63,162	72,955	83,889	72,404	97,063	98,970	101,346	100,650	102,842
2007		180,665	133,018	162,814	111,619	137,104	119,674	112,873	118,348	114,088	125,867	121,601	125,304	127,937	130,452	133,583	132,666	135,555
2008	6,288	83,211	83,339	78,163	43,599	39,678	60,174	66,062	72,554	87,295	65,633	86,583	86,423	88,239	89,973	92,132	91,500	93,493
2009	359,234	71,633	136,587	108,318	55,489	57,454	80,831	138,795	58,114	65,351	91,372	93,076	92,904	94,857	96,721	99,042	98,363	100,505
2010	126,078	326,953	31,561	109,778	40,223	27,655	50,812	37,302	35,773	74,402	76,497	77,924	77,780	79,415	80,976	82,919	82,350	84,144
2011	9,282	34,820	115,390	47,886	81,567	70,548	66,182	62,314	73,023	74,402	76,497	77,924	77,780	79,415	80,976	82,919	82,350	84,144
2012	11,585	83,055	109,911	103,495	59,926	39,635	61,724	71,061	73,023	74,402	76,497	77,924	77,780	79,415	80,976	82,919	82,350	84,144
2013	68,682	160,848	176,760	101,659	89,377	92,211	76,046	78,957	81,137	82,669	84,997	86,583	86,423	88,239	89,973	92,132	91,500	93,493
2014	56,814	102,517	82,408	117,187	90,684	90,230	76,046	78,957	81,137	82,669	84,997	86,583	86,423	88,239	89,973	92,132	91,500	93,493
2015	619	176,153	114,209	133,305	71,889	90,230	76,046	78,957	81,137	82,669	84,997	86,583	86,423	88,239	89,973	92,132	91,500	93,493
2016		71,744	26,032	105,095	71,889	90,230	76,046	78,957	81,137	82,669	84,997	86,583	86,423	88,239	89,973	92,132	91,500	93,493
2017	171,487	66,714	103,740	105,095	71,889	90,230	76,046	78,957	81,137	82,669	84,997	86,583	86,423	88,239	89,973	92,132	91,500	93,493
2018	30,930	104,328	103,740	105,095	71,889	90,230	76,046	78,957	81,137	82,669	84,997	86,583	86,423	88,239	89,973	92,132	91,500	93,493
2019	84,387	104,328	103,740	105,095	71,889	90,230	76,046	78,957	81,137	82,669	84,997	86,583	86,423	88,239	89,973	92,132	91,500	93,493

Notes: (a) For the actual average incremental payments per open accepted claim at 2019 level, see Appendix E, Exh bit IV, Sheets 1a and 1b. For the estimates of average incremental payments per open accepted claim at 2019 level, see Appendix E, Exhibit III, Sheets 2a to 2g, then adjusted to 2019 level (factors from Appendix E, Exh bit II, Sheet 3, Column (5)).

Summary of 2019 Level Incremental Payments by Maturity

Maturity (Months)	2019 Level (a) Average Incremental Payments per Open Accepted Claim Based on Annual Increase Utilization Rate of			Maturity (Months)	2019 Level (a) Average Incremental Payments per Open Accepted Claim Based on Annual Increase Utilization Rate of		
	1.00%	2.00%	3.00%		1.00%	2.00%	3.00%
	(1)	(2)	(3)		(4)	(5)	(6)
3:15	85,068	85,068	85,068	735:747	144,369	197,877	270,384
15:27	105,169	105,169	105,169	747:759	145,812	201,834	278,495
27:39	104,576	104,576	104,576	759:771	147,271	205,871	286,850
39:51	105,942	105,942	105,942	771:783	148,743	209,988	295,456
51:63	72,469	72,469	72,469	783:795	150,231	214,188	304,319
63:75	90,958	90,958	90,958	795:807	151,733	218,472	313,449
75:87	76,659	76,659	76,659	807:819	153,250	222,841	322,852
87:99	79,594	79,594	79,594	819:831	154,783	227,298	332,538
99:111	81,791	81,791	81,791	831:843	156,331	231,844	342,514
111:123	83,336	83,336	83,336	843:855	157,894	236,481	352,789
123:135	85,683	85,683	85,683	855:867	159,473	241,211	363,373
135:147	87,281	87,281	87,281	867:879	161,068	246,035	374,274
147:159	87,119	87,119	87,119	879:891	162,678	250,956	385,502
159:171	88,950	88,950	88,950	891:903	164,305	255,975	397,068
171:183	90,698	90,698	90,698	903:915	165,948	261,094	408,980
183:195	92,875	92,875	92,875	915:927	167,608	266,316	421,249
195:207	92,238	92,238	92,238	927:939	169,284	271,642	433,886
207:219	94,247	94,247	94,247	939:951	170,977	277,075	446,903
219:231	95,755	95,755	95,755	951:963	172,686	282,617	460,310
231:243	97,232	97,232	97,232	963:975	174,413	288,269	474,119
243:255	98,941	98,941	98,941	975:987	176,157	294,034	488,343
255:267	101,423	101,423	101,423	987:999	177,919	299,915	502,993
267:279	101,609	101,609	101,609	999:1011	179,698	305,913	518,083
279:291	103,901	103,901	103,901	1011:1023	181,495	312,032	533,626
291:303	110,000	110,000	110,000	1023:1035	183,310	318,272	549,634
303:315	110,000	110,000	110,000	1035:1047	185,143	324,638	566,123
315:327	110,000	110,000	110,000	1047:1059	186,995	331,131	583,107
327:339	110,000	110,000	110,000	1059:1071	188,865	337,753	600,600
339:351	105,000	105,000	105,000	1071:1083	190,753	344,508	618,618
351:363	105,000	105,000	105,000	1083:1095	192,661	351,398	637,177
363:375	106,050	107,100	108,150	1095:1107	194,587	358,426	656,292
375:387	107,111	109,242	111,395	1107:1119	196,533	365,595	675,981
387:399	108,182	111,427	114,736	1119:1131	198,498	372,907	696,260
399:411	109,263	113,655	118,178	1131:1143	200,483	380,365	717,148
411:423	110,356	115,928	121,724	1143:1155	202,488	387,972	738,663
423:435	111,460	118,247	125,375	1155:1167	204,513	395,732	760,823
435:447	112,574	120,612	129,137	1167:1179	206,558	403,646	783,647
447:459	113,700	123,024	133,011	1179:1191	208,624	411,719	807,157
459:471	114,837	125,485	137,001	1191:1203	210,710	419,954	831,371
471:483	115,985	127,994	141,111	1203:1215	212,817	428,353	856,312
483:495	117,145	130,554	145,345	1215:1227	214,945	436,920	882,002
495:507	118,317	133,165	149,705	1227:1239	217,095	445,658	908,462
507:519	119,500	135,829	154,196	1239:1251	219,266	454,571	935,716
519:531	120,695	138,545	158,822	1251:1263	221,458	463,663	963,787
531:543	121,902	141,316	163,587	1263:1275	223,673	472,936	992,701
543:555	123,121	144,142	168,494	1275:1287	225,910	482,395	1,022,482
555:567	124,352	147,025	173,549	1287:1299	228,169	492,043	1,053,156
567:579	125,595	149,966	178,755	1299:1311	230,451	501,883	1,084,751
579:591	126,851	152,965	184,118	1311:1323	232,755	511,921	1,117,294
591:603	128,120	156,024	189,642	1323:1335	235,083	522,160	1,150,812
603:615	129,401	159,145	195,331	1335:1347	237,433	532,603	1,185,337
615:627	130,695	162,328	201,191	1347:1359	239,808	543,255	1,220,897
627:639	132,002	165,574	207,227	1359:1371	242,206	554,120	1,257,524
639:651	133,322	168,886	213,443	1371:1383	244,628	565,202	1,295,249
651:663	134,655	172,264	219,847	1383:1395	247,074	576,506	1,334,107
663:675	136,002	175,709	226,442	1395:1407	249,545	588,036	1,374,130
675:687	137,362	179,223	233,235	1407:1419	252,040	599,797	1,415,354
687:699	138,736	182,808	240,232	1419:1431	254,561	611,793	1,457,815
699:711	140,123	186,464	247,439	1431:1443	257,106	624,029	1,501,549
711:723	141,524	190,193	254,863	1443:1455	259,677	636,510	1,546,596
723:735	142,939	193,997	262,508	1455:1467	262,274	649,240	1,592,993

Note: (a) For average incremental payments from 3:15 to 351:363, see Appendix E, Exhibit IV, Sheets 1a and 1b.  
 For average incremental payments from 363:375 and subsequent, they are based on utilization trend rates of 1.00%, 2.00% and 3.00% for columns (2), (3) and (4) or (6), (7) and (8), respectively.

Selected Relativity Factors to Adjust for Difference in Claim Size by Birth Year

All Open Accepted Claims (AAA Only) with Life Expectancy

A. Off-Balance Adjustment Factor

**1.00811**

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Birth Year	Indicated Birth Year Relativity of Remaining Average Annual Loss & ALAE Payments Based on		Selected Relativity Factors to Adjust for Difference in Claim Size By Birth Year	
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	Average (a) Incremental Payments to Date	Current (b) Case Outstanding	Before Off-Balance	After Off-Balance (4) / (A)
(1)	(2)	(3)	(4)	(5)
1989	0.675	0.945	0.900	0.893
1990	0.568	0.896	0.800	0.794
1991	1.159	1.188	1.175	1.166
1992	0.834	1.041	0.900	0.893
1993	0.703	0.913	0.950	0.942
1994	0.725	0.759	0.750	0.744
1995	1.172	1.070	1.150	1.141
1996	0.898	1.146	1.050	1.042
1997	0.667	0.794	0.850	0.843
1998	1.093	1.092	1.075	1.066
1999	1.086	1.461	1.400	1.389
2000	0.656	1.074	0.900	0.893
2001	1.334	1.304	1.300	1.290
2002	0.898	1.065	1.050	1.042
2003	1.375	1.485	1.500	1.488
2004	0.729	1.029	1.000	0.992
2005	0.636	0.946	0.950	0.942
2006	1.091	1.044	1.100	1.091
2007	1.655	1.329	1.450	1.438
2008	0.664	1.001	1.000	0.992
2009	0.998	1.106	1.075	1.066
2010	0.618	0.810	0.900	0.893
2011	0.813	0.912	0.900	0.893
2012	0.681	0.809	0.900	0.893
2013	1.261	0.993	1.000	0.992
2014	1.190	0.908	1.000	0.992
2015	1.641	0.855	1.000	0.992
2016	1.307	0.568	1.000	0.992
2017	-	-	1.000	0.992
2018	-	-	1.000	0.992
2019	-	-	1.000	0.992

Notes: (a) See Appendix E, Exhibit VI, Sheet 1, Column (8).  
 (b) See Appendix E, Exhibit VI, Sheet 1, Column (11).

Birth Year	Paid Basis		Case Outstanding Basis		Open Accepted Claims (AAA Only) @ 3/31/19			Average Life Expectancy	
	Annual Inflation Factors	2019 Level Adjustment Factors	Annual Inflation Factors	2019 Level Adjustment Factors	Reported (a) Open Accepted Claim Cts.	IBNR (b) Accepted Claim Cts.	Ultimate Open Accepted Claim Cts. (6) + (7)	Average Life Expectancy Indicated (c)	Selected (d) (9) x 1.25
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	1.75%	1.531	0.81%	1.425	4	-	4	22.08	27.60
1990	1.68%	1.504	0.74%	1.413	3	-	3	15.28	19.10
1991	1.48%	1.479	0.52%	1.403	4	-	4	27.40	34.25
1992	1.50%	1.458	0.46%	1.396	9	-	9	26.72	33.40
1993	1.54%	1.436	0.41%	1.389	8	-	8	25.70	32.13
1994	1.22%	1.415	0.38%	1.384	4	-	4	30.67	38.34
1995	1.02%	1.397	0.35%	1.379	5	-	5	29.56	36.95
1996	1.04%	1.383	0.34%	1.374	6	-	6	20.74	25.93
1997	0.91%	1.369	0.25%	1.369	8	-	8	30.96	38.70
1998	0.93%	1.357	0.28%	1.366	11	-	11	28.75	35.94
1999	0.97%	1.344	0.36%	1.362	3	-	3	23.77	29.71
2000	0.99%	1.331	0.39%	1.357	5	-	5	19.58	24.48
2001	1.09%	1.318	0.32%	1.352	4	-	4	29.52	36.90
2002	1.16%	1.304	0.35%	1.347	13	-	13	26.58	33.23
2003	1.09%	1.289	0.29%	1.343	3	-	3	18.48	23.10
2004	1.41%	1.275	4.94%	1.339	5	-	5	32.42	40.53
2005	1.30%	1.257	0.87%	1.276	7	-	7	27.02	33.78
2006	1.07%	1.241	4.86%	1.265	9	-	9	30.23	37.79
2007	1.18%	1.228	0.50%	1.206	7	-	7	22.18	27.73
2008	9.95%	1.214	4.55%	1.200	9	-	9	35.53	44.41
2009	4.26%	1.104	0.33%	1.148	10	-	10	33.18	41.48
2010	0.84%	1.059	0.32%	1.144	5	-	5	45.38	56.73
2011	0.94%	1.050	0.42%	1.141	10	-	10	33.54	41.93
2012	0.73%	1.040	9.83%	1.136	7	-	7	38.32	47.90
2013	0.56%	1.033	0.59%	1.034	7	-	7	25.98	32.48
2014	0.51%	1.027	0.19%	1.028	12	1	13	25.00	31.25
2015	0.44%	1.022	0.17%	1.026	10	2	12	33.00	41.25
2016	0.73%	1.017	2.01%	1.024	3	6	9	28.00	35.00
2017	0.53%	1.010	0.22%	1.004	7	8	15	29.00	36.25
2018	0.44%	1.004	0.20%	1.002	5	11	16	29.00	36.25
2019		1.000		1.000	-	4	4	29.00	36.25
Totals:					203	32	235		

Notes: (a) Current reported open accepted claims alive as of March 31, 2019. See Exhibit X, Sheet 1d, Column (4).  
 (b) Estimated unreported accepted claims alive as of March 31, 2019. See Exhibit X, Sheet 1a, Column (9).  
 (c) Current average remaining life expectancy based on NICA physician estimates.  
 (d) Final selected remaining life expectancy estimated to include consideration of increased life expectancy over time by 0.2 per year.

**Development of Prospective Incremental Payment - Birth Year Level (a)**

Assumed Annual Increase Utilization Rate **2.00%**

Year of Birth	Maturity (months) 3:15	Maturity (months) 15:27	Maturity (months) 27:39	Maturity (months) 39:51	Maturity (months) 51:63	Maturity (months) 63:75	Maturity (months) 75:87	Maturity (months) 87:99	Maturity (months) 99:111	Maturity (months) 111:123	Maturity (months) 123:135	Maturity (months) 135:147	Maturity (months) 147:159	Maturity (months) 159:171	Maturity (months) 171:183	Maturity (months) 183:195	Maturity (months) 195:207	Maturity (months) 207:219
1989																		
1990																		
1991																		
1992																		
1993																		
1994																		
1995																		
1996																		
1997																		
1998																		
1999																		
2000																		
2001																		
2002																		947,075
2003																	306,629	304,903
2004																344,065	338,370	342,289
2005															468,962	473,371	463,273	466,306
2006														690,627	696,060	704,362	691,099	697,444
2007													727,126	727,194	726,022	727,629	706,922	706,251
2008											649,227	642,580	650,485	657,507	667,322	656,742	664,827	
2009										795,917	802,698	793,132	801,505	808,736	819,339	804,872	813,256	
2010									325,133	332,730	337,333	335,095	340,471	345,441	351,943	347,723	353,417	
2011								640,268	645,805	657,233	662,584	654,439	661,093	666,795	675,266	663,072	669,697	
2012							437,991	446,671	451,607	460,708	465,596	461,014	466,876	472,111	479,362	471,965	477,987	
2013						514,789	525,529	530,859	531,565	536,993	537,328	526,709	527,978	528,368	530,811	516,974	517,782	
2014					1,113,209	921,220	938,943	946,937	946,645	954,725	953,716	933,275	933,901	932,944	935,571	909,506	909,214	
2015					745,654	1,018,080	848,455	870,970	884,759	890,994	905,301	911,183	898,493	906,102	912,355	922,332	904,059	911,426
2016				712,138	544,854	740,860	614,864	628,531	635,766	637,486	644,891	646,205	634,341	636,793	638,208	642,128	626,355	628,327
2017			703,001	1,169,260	896,421	1,220,259	1,013,870	1,037,585	1,050,739	1,054,813	1,068,331	1,071,794	1,053,399	1,058,779	1,062,469	1,070,369	1,045,450	1,050,152
2018		321,617	614,525	1,032,218	797,117	1,089,396	908,771	933,805	949,536	957,195	973,562	980,907	968,265	977,511	985,329	997,213	978,568	987,690
2019	16,291	65,874	150,133	253,825	197,649	270,096	225,285	231,459	235,324	237,188	241,208	242,990	239,817	242,058	243,937	246,815	242,134	244,324

Notes: (a) The product of average incremental payment per open accepted claim (shown in Appendix E, Exhibit III, Sheets 2a to 2g) and prospective open accepted claim counts (shown in Appendix E, Exhibit III, Sheets 3a to 3g).

**Development of Prospective Incremental Payment - Birth Year Level (a)**

Assumed Annual Increase Utilization Rate

Year of Birth	Maturity (months) 219:231	Maturity (months) 231:243	Maturity (months) 243:255	Maturity (months) 255:267	Maturity (months) 267:279	Maturity (months) 279:291	Maturity (months) 291:303	Maturity (months) 303:315	Maturity (months) 315:327	Maturity (months) 327:339	Maturity (months) 339:351	Maturity (months) 351:363	Maturity (months) 363:375	Maturity (months) 375:387	Maturity (months) 387:399	Maturity (months) 399:411	Maturity (months) 411:423	Maturity (months) 423:435	
1989														268,431	269,123	269,713	270,197	270,571	270,831
1990												176,863	174,590	172,223	169,759	167,200	164,547	161,802	
1991											348,888	344,911	347,716	350,454	353,119	355,708	358,213	360,630	
1992										633,217	597,025	589,563	593,683	597,665	601,497	605,171	608,677	612,007	
1993									596,851	588,777	554,271	546,485	549,422	552,201	554,812	557,245	559,493	561,546	
1994								236,564	234,340	232,097	219,387	217,206	219,303	221,370	223,405	225,405	227,367	229,287	
1995							455,101	450,353	445,570	440,753	416,085	411,413	414,833	418,175	421,434	424,603	427,677	430,648	
1996						472,680	489,881	479,372	468,903	458,478	427,727	417,852	416,165	414,268	412,155	409,820	407,262	404,476	
1997					500,614	506,910	531,330	525,953	520,534	515,074	486,409	481,110	485,277	489,360	493,352	497,246	501,034	504,711	
1998				871,091	862,508	871,480	911,465	900,231	888,935	877,579	826,789	815,821	820,870	825,705	830,310	834,673	838,781	842,622	
1999			302,647	304,912	300,133	301,439	313,346	307,561	301,780	296,005	277,044	271,539	271,352	271,044	270,609	270,044	269,346	268,511	
2000		319,843	317,615	317,584	310,209	309,124	318,777	310,355	302,008	293,738	272,566	264,816	262,272	259,585	256,752	253,772	250,645	247,373	
2001	365,361	366,716	368,770	373,489	369,609	373,248	390,155	385,126	380,072	374,995	353,079	348,181	350,116	351,952	353,682	355,302	356,806	358,188	
2002	948,388	948,880	951,102	960,093	946,924	952,971	992,660	976,382	960,082	943,765	885,272	869,648	871,061	872,130	872,839	873,173	873,120	872,669	
2003	301,289	297,374	293,966	292,582	284,446	282,094	289,483	280,435	271,511	262,715	242,499	234,341	230,820	227,177	223,412	219,526	215,523	211,405	
2004	344,218	345,889	348,231	353,105	349,859	353,738	370,224	365,919	361,586	357,228	336,804	332,588	334,906	337,145	339,300	341,365	343,336	345,207	
2005	466,549	466,379	467,050	471,033	464,138	466,657	485,620	477,185	468,747	460,308	431,328	423,265	423,492	423,541	423,403	423,073	422,544	421,812	
2006	699,674	701,330	704,297	712,319	703,921	709,827	740,890	730,246	719,566	708,852	666,370	656,067	658,628	660,968	663,077	664,943	666,556	667,906	
2007	701,237	695,528	691,005	691,266	675,541	673,510	694,890	676,878	659,017	641,312	595,410	578,799	573,564	568,015	562,147	555,958	549,448	542,618	
2008	669,068	672,824	677,901	687,928	682,147	690,272	723,042	715,236	707,375	699,459	660,057	652,387	657,543	662,567	667,448	672,177	676,743	681,137	
2009	816,877	819,856	824,397	834,893	826,165	834,244	871,973	860,674	849,321	837,914	788,887	777,885	782,148	786,189	789,992	793,546	796,838	799,856	
2010	357,131	360,641	364,916	371,925	370,435	376,541	396,231	393,790	391,321	388,822	368,735	366,290	371,087	375,892	380,700	385,508	390,313	395,111	
2011	672,391	674,548	677,981	686,300	678,811	685,126	715,766	706,146	696,483	686,781	646,262	636,913	640,058	643,011	645,758	648,290	650,596	652,667	
2012	481,254	484,179	488,062	495,519	491,595	497,698	521,590	516,225	510,820	505,374	477,165	471,883	475,882	479,797	483,618	487,340	490,955	494,456	
2013	515,429	512,577	510,609	512,197	501,938	501,849	519,276	507,305	495,399	483,562	450,348	439,174	436,613	433,822	430,796	427,531	424,024	420,274	
2014	903,339	896,574	891,339	892,285	872,593	870,587	898,872	876,216	853,734	831,431	772,522	751,566	745,371	738,772	731,759	724,330	716,483	708,219	
2015	913,383	914,566	917,434	926,852	914,890	921,503	960,699	945,765	930,799	915,803	859,831	845,446	847,629	849,498	851,037	852,232	853,070	853,541	
2016	626,483	624,045	622,696	625,704	614,244	615,229	637,749	624,198	610,696	597,248	557,313	544,568	542,494	540,148	537,522	534,609	531,405	527,907	
2017	1,048,510	1,045,898	1,045,132	1,051,715	1,033,987	1,037,215	1,076,842	1,055,620	1,034,440	1,013,310	947,127	927,037	925,106	922,736	919,911	916,621	912,854	908,602	
2018	990,988	993,478	997,828	1,009,344	997,598	1,006,125	1,050,321	1,035,399	1,020,425	1,005,400	945,308	930,854	934,653	938,146	941,314	944,142	946,617	948,724	
2019	245,075	245,629	246,645	249,430	246,464	248,507	259,357	255,606	251,843	248,066	233,170	229,531	230,388	231,166	231,861	232,469	232,986	233,409	

Notes: (a) The product of average incremental payment per open accepted claim (shown in Appendix E, Exhibit III, Sheets 2a to 2g) and prospective open accepted claim counts (shown in Appendix E, Exhibit III, Sheets 3a to 3g).



**Development of Prospective Incremental Payment - Birth Year Level (a)**

Assumed Annual Increase Utilization Rate

Year of Birth	Maturity (months) 435:447	Maturity (months) 447:459	Maturity (months) 459:471	Maturity (months) 471:483	Maturity (months) 483:495	Maturity (months) 495:507	Maturity (months) 507:519	Maturity (months) 519:531	Maturity (months) 531:543	Maturity (months) 543:555	Maturity (months) 555:567	Maturity (months) 567:579	Maturity (months) 579:591	Maturity (months) 591:603	Maturity (months) 603:615	Maturity (months) 615:627	Maturity (months) 627:639	Maturity (months) 639:651
1989	270,972	270,989	270,874	270,623	270,231	269,692	268,999	268,141	267,110	265,896	264,489	262,879	261,055	259,006	256,718	254,180	251,380	248,310
1990	158,967	156,040	153,021	149,913	146,717	143,435	140,066	136,610	133,067	129,436	125,719	121,915	118,026	114,054	110,000	105,866	101,658	97,383
1991	362,954	365,176	367,289	369,286	371,159	372,901	374,500	375,946	377,226	378,327	379,234	379,933	380,409	380,643	380,617	380,313	379,710	378,791
1992	615,152	618,095	620,825	623,328	625,593	627,606	629,349	630,800	631,938	632,742	633,186	633,245	632,894	632,101	630,836	629,066	626,761	623,891
1993	563,396	565,030	566,433	567,596	568,507	569,154	569,519	569,583	569,326	568,728	567,766	566,418	564,661	562,466	559,806	556,653	552,980	548,762
1994	231,162	232,989	234,761	236,475	238,126	239,710	241,221	242,651	243,993	245,238	246,379	247,406	248,310	249,079	249,702	250,167	250,462	250,575
1995	433,511	436,256	438,874	441,356	443,694	445,878	447,897	449,735	451,379	452,812	454,018	454,979	455,677	456,091	456,198	455,976	455,402	454,454
1996	401,460	398,206	394,707	390,958	386,957	382,699	378,177	373,379	368,296	362,920	357,240	351,248	344,935	338,292	331,308	323,977	316,293	308,257
1997	508,267	511,693	514,977	518,110	521,082	523,882	526,496	528,906	531,097	533,050	534,745	536,163	537,281	538,076	538,519	538,586	538,250	537,484
1998	846,181	849,440	852,378	854,979	857,226	859,101	860,577	861,626	862,218	862,323	861,905	860,933	859,368	857,170	854,296	850,703	846,349	841,195
1999	267,537	266,416	265,143	263,715	262,127	260,376	258,453	256,351	254,062	251,579	248,891	245,992	242,873	239,524	235,936	232,100	228,009	223,659
2000	243,956	240,391	236,675	232,810	228,798	224,638	220,328	215,865	211,246	206,470	201,534	196,437	191,179	185,759	180,176	174,431	168,528	162,474
2001	359,442	360,561	361,535	362,358	363,023	363,521	363,841	363,972	363,900	363,613	363,097	362,336	361,316	360,019	358,427	356,522	354,288	351,707
2002	871,806	870,512	868,766	866,551	863,856	860,661	856,941	852,668	847,812	842,346	836,238	829,456	821,969	813,741	804,733	794,912	784,247	772,710
2003	207,175	202,834	198,383	193,824	189,162	184,400	179,539	174,579	169,520	164,365	159,114	153,771	148,339	142,820	137,218	131,540	125,792	119,985
2004	346,972	348,625	350,156	351,560	352,829	353,955	354,929	355,737	356,370	356,813	357,053	357,076	356,866	356,408	355,683	354,673	353,360	351,729
2005	420,871	419,710	418,321	416,696	414,829	412,712	410,333	407,679	404,737	401,493	397,933	394,044	389,809	385,214	380,240	374,874	369,102	362,913
2006	668,984	669,772	670,255	670,419	670,254	669,744	668,868	667,604	665,928	663,817	661,245	658,187	654,613	650,495	645,799	640,496	634,554	627,949
2007	535,468	527,992	520,185	512,048	503,583	494,790	485,662	476,193	466,377	456,207	445,678	434,789	423,536	411,914	399,923	387,563	374,842	361,772
2008	685,348	689,360	693,160	696,733	700,067	703,145	705,949	708,455	710,639	712,478	713,945	715,011	715,648	715,821	715,495	714,635	713,205	711,171
2009	802,588	805,014	807,116	808,877	810,283	811,315	811,948	812,156	811,910	811,180	809,935	808,144	805,771	802,778	799,125	794,772	789,680	783,815
2010	399,898	404,668	409,416	414,136	418,823	423,470	428,070	432,613	437,090	441,489	445,798	450,007	454,100	458,062	461,876	465,526	468,992	472,256
2011	654,492	656,057	657,344	658,342	659,037	659,416	659,459	659,142	658,443	657,338	655,801	653,808	651,329	648,333	644,789	640,665	635,930	630,556
2012	497,837	501,085	504,190	507,143	509,935	512,554	514,986	517,215	519,224	520,995	522,510	523,748	524,687	525,305	525,574	525,470	524,965	524,036
2013	416,279	412,031	407,524	402,756	397,725	392,428	386,858	381,006	374,863	368,422	361,676	354,616	347,238	339,532	331,492	323,114	314,396	305,342
2014	699,536	690,427	680,882	670,902	660,488	649,639	638,346	626,597	614,383	601,695	588,526	574,869	560,719	546,069	530,913	515,252	499,092	482,447
2015	853,630	853,318	852,583	851,412	849,788	847,693	845,103	841,988	838,320	834,070	829,205	823,694	817,504	810,597	802,936	794,484	785,206	775,075
2016	524,109	520,001	515,573	510,821	505,741	500,326	494,565	488,444	481,951	475,075	467,801	460,119	452,016	443,479	434,495	425,055	415,151	404,783
2017	903,855	898,593	892,798	886,459	879,566	872,106	864,055	855,388	846,081	836,110	825,447	814,069	801,952	789,066	775,382	760,880	745,538	729,348
2018	950,448	951,766	952,656	953,100	953,079	952,573	951,553	949,986	947,839	945,079	941,668	937,569	932,744	927,148	920,736	913,463	905,286	896,170
2019	233,733	233,952	234,061	234,056	233,931	233,681	233,296	232,769	232,091	231,253	230,247	229,062	227,688	226,113	224,327	222,319	220,080	217,603

Notes: (a) The product of average incremental payment per open accepted claim (shown in Appendix E, Exhibit III, Sheets 2a to 2g) and prospective open accepted claim counts (shown in Appendix E, Exhibit III, Sheets 3a to 3g).



**Development of Prospective Incremental Payment - Birth Year Level (a)**

Assumed Annual Increase Utilization Rate

Year of Birth	Maturity (months) 651:663	Maturity (months) 663:675	Maturity (months) 675:687	Maturity (months) 687:699	Maturity (months) 699:711	Maturity (months) 711:723	Maturity (months) 723:735	Maturity (months) 735:747	Maturity (months) 747:759	Maturity (months) 759:771	Maturity (months) 771:783	Maturity (months) 783:795	Maturity (months) 795:807	Maturity (months) 807:819	Maturity (months) 819:831	Maturity (months) 831:843	Maturity (months) 843:855	Maturity (months) 855:867
1989	244,962	241,331	237,409	233,188	228,661	223,821	218,668	213,197	207,409	201,302	194,877	188,138	181,093	173,752	166,133	158,268	150,195	141,946
1990	93,049	88,667	84,248	79,802	75,338	70,870	66,413	61,982	57,591	53,257	48,996	44,824	40,760	36,821	33,029	29,404	25,970	22,741
1991	377,540	375,940	373,974	371,621	368,858	365,668	362,031	357,929	353,342	348,249	342,631	336,468	329,745	322,447	314,567	306,115	297,109	287,558
1992	620,428	616,350	611,628	606,229	600,121	593,273	585,661	577,256	568,032	557,962	547,017	535,175	522,421	508,736	494,124	478,617	462,256	445,074
1993	543,979	538,611	532,638	526,033	518,771	510,832	502,198	492,853	482,779	471,962	460,387	448,043	434,930	421,047	406,411	391,067	375,072	358,473
1994	250,495	250,211	249,711	248,980	248,004	246,769	245,261	243,466	241,369	238,954	236,204	233,105	229,641	225,797	221,563	216,940	211,930	206,533
1995	453,112	451,357	449,169	446,520	443,386	439,742	435,568	430,838	425,529	419,617	413,076	405,882	398,017	389,460	380,203	370,257	359,639	348,362
1996	299,873	291,149	282,095	272,714	263,016	253,015	242,730	232,182	221,393	210,391	199,202	187,860	176,405	164,879	153,337	141,849	130,487	119,316
1997	536,266	534,571	532,375	529,648	526,357	522,475	517,975	512,827	507,003	500,472	493,202	485,164	476,333	466,682	456,199	444,894	432,782	419,874
1998	835,207	828,353	820,600	811,903	802,222	791,521	779,769	766,934	752,984	737,889	721,620	704,153	685,475	665,574	644,466	622,206	598,866	574,504
1999	219,047	214,173	209,038	203,638	197,973	192,046	185,863	179,429	172,754	165,846	158,718	151,382	143,860	136,172	128,347	120,429	112,463	104,490
2000	156,279	149,956	143,518	136,976	130,342	123,635	116,872	110,076	103,267	96,468	89,703	82,997	76,380	69,880	63,532	57,375	51,450	45,787
2001	348,767	345,455	341,758	337,658	333,138	328,186	322,790	316,938	310,620	303,824	296,540	288,762	280,488	271,716	262,456	252,736	242,590	232,048
2002	760,286	746,962	732,724	717,551	701,427	684,343	666,303	647,308	627,367	606,489	584,691	561,998	538,451	514,095	489,007	463,305	437,121	410,575
2003	114,133	108,252	102,357	96,462	90,582	84,735	78,942	73,222	67,595	62,082	56,704	51,481	46,437	41,592	36,969	32,595	28,493	24,678
2004	349,763	347,450	344,774	341,716	338,257	334,381	330,074	325,320	320,104	314,411	308,225	301,533	294,327	286,597	278,344	269,587	260,350	250,650
2005	356,302	349,266	341,800	333,898	325,554	316,769	307,549	297,897	287,823	277,336	266,449	255,179	243,551	231,593	219,347	206,875	194,246	181,520
2006	620,661	612,670	603,958	594,498	584,268	573,250	561,432	548,802	535,351	521,070	505,955	490,005	473,234	455,654	437,303	418,251	398,580	378,362
2007	348,375	334,678	320,707	306,485	292,038	277,403	262,622	247,737	232,796	217,846	202,939	188,132	173,487	159,067	144,949	131,223	117,976	105,280
2008	708,502	705,168	701,137	696,369	690,825	684,468	677,265	669,182	660,181	650,228	639,285	627,317	614,300	600,203	585,020	568,774	551,497	533,215
2009	777,145	769,644	761,281	752,019	741,821	730,657	718,503	705,333	691,122	675,848	659,490	642,031	623,469	603,801	583,051	561,282	538,571	514,986
2010	475,300	478,106	480,652	482,914	484,867	486,485	487,741	488,608	489,054	489,046	488,549	487,526	485,939	483,749	480,921	477,429	473,254	468,366
2011	624,520	617,801	610,377	602,219	593,298	583,594	573,089	561,765	549,606	536,597	522,724	507,980	492,367	475,888	458,569	440,467	421,652	402,183
2012	522,658	520,810	518,466	515,598	512,175	508,170	503,556	498,307	492,394	485,787	478,458	470,378	461,524	451,871	441,409	430,148	418,108	405,299
2013	295,961	286,267	276,272	265,987	255,424	244,605	233,554	222,298	210,866	199,289	187,601	175,842	164,057	152,293	140,608	129,077	117,773	106,762
2014	465,342	447,809	429,880	411,581	392,944	374,014	354,842	335,483	315,994	296,437	276,877	257,386	238,046	218,939	200,166	181,845	164,096	147,016
2015	764,068	752,171	739,363	725,621	710,919	695,247	678,597	660,966	642,352	622,758	602,189	580,661	558,204	534,850	510,665	485,754	460,237	434,221
2016	393,956	382,680	370,965	358,818	346,247	333,273	319,918	306,209	292,175	277,848	263,265	248,469	233,510	218,443	203,339	188,288	173,386	158,717
2017	712,309	694,430	675,718	656,174	635,803	614,626	592,672	569,973	546,569	522,502	497,822	472,591	446,886	420,787	394,409	367,902	341,428	315,129
2018	886,082	874,998	862,888	849,715	835,444	820,050	803,514	785,818	766,946	746,885	725,626	703,167	679,523	654,711	628,782	601,832	573,974	545,310
2019	214,880	211,907	208,672	205,167	201,387	197,326	192,980	188,345	183,419	178,198	172,683	166,876	160,783	154,415	147,797	140,956	133,916	126,698

Notes: (a) The product of average incremental payment per open accepted claim (shown in Appendix E, Exhibit III, Sheets 2a to 2g) and prospective open accepted claim counts (shown in Appendix E, Exhibit III, Sheets 3a to 3g).

**Development of Prospective Incremental Payment - Birth Year Level (a)**

Assumed Annual Increase Utilization Rate

Year of Birth	Maturity (months) 867:879	Maturity (months) 879:891	Maturity (months) 891:903	Maturity (months) 903:915	Maturity (months) 915:927	Maturity (months) 927:939	Maturity (months) 939:951	Maturity (months) 951:963	Maturity (months) 963:975	Maturity (months) 975:987	Maturity (months) 987:999	Maturity (months) 999:1011	Maturity (months) 1011:1023	Maturity (months) 1023:1035	Maturity (months) 1035:1047	Maturity (months) 1047:1059	Maturity (months) 1059:1071	Maturity (months) 1071:1083
1989	133,547	125,025	116,415	107,757	99,098	90,485	81,976	73,638	65,538	57,739	50,301	43,279	36,729	30,699	25,230	20,350	16,078	12,413
1990	19,727	16,937	14,376	12,050	9,961	8,109	6,489	5,098	3,923	2,951	2,164	1,542	1,064	708	452	275	159	86
1991	277,465	266,829	255,663	243,984	231,821	219,208	206,195	192,851	179,259	165,504	151,671	137,858	124,175	110,741	97,683	85,129	73,207	62,039
1992	427,089	408,317	388,795	368,574	347,719	326,307	304,440	282,253	259,899	237,533	215,309	193,396	171,977	151,247	131,402	112,634	95,124	79,030
1993	341,303	323,595	305,404	286,794	267,843	248,641	229,296	209,946	190,737	171,815	153,321	135,402	118,211	101,903	86,622	72,501	59,653	48,162
1994	200,741	194,546	187,945	180,940	173,539	165,750	157,595	149,106	140,325	131,295	122,063	112,683	103,219	93,746	84,347	75,112	66,132	57,505
1995	336,424	323,823	310,574	296,694	282,216	267,177	251,636	235,673	219,385	202,870	186,231	169,582	153,055	136,792	120,946	105,674	91,130	77,465
1996	108,387	97,750	87,460	77,575	68,151	59,243	50,905	43,189	36,139	29,781	24,129	19,184	14,934	11,355	8,410	6,049	4,209	2,822
1997	406,166	391,650	376,337	360,245	343,406	325,858	307,663	288,913	269,713	250,177	230,420	210,573	190,789	171,236	152,094	133,552	115,800	99,023
1998	549,156	522,862	495,686	467,713	439,049	409,812	380,159	350,286	320,409	290,748	261,518	232,945	205,276	178,760	153,645	130,163	108,525	88,903
1999	96,544	88,658	80,873	73,232	65,780	58,563	51,633	45,041	38,838	33,066	27,757	22,938	18,629	14,839	11,568	8,805	6,525	4,693
2000	40,409	35,338	30,593	26,193	22,153	18,484	15,195	12,288	9,760	7,600	5,789	4,301	3,107	2,176	1,471	955	593	350
2001	221,129	209,854	198,256	186,374	174,259	161,964	149,561	137,133	124,776	112,583	100,643	89,052	77,909	67,314	57,362	48,142	39,728	32,180
2002	383,762	356,779	329,751	302,815	276,123	249,836	224,134	199,221	175,298	152,550	131,138	111,210	92,901	76,322	61,551	48,630	37,553	28,272
2003	21,159	17,940	15,024	12,413	10,102	8,086	6,354	4,892	3,684	2,706	1,933	1,338	894	574	352	205	112	57
2004	240,499	229,905	218,889	207,481	195,717	183,641	171,311	158,802	146,201	133,596	121,074	108,729	96,666	84,994	73,822	63,260	53,409	44,358
2005	168,748	155,980	143,278	130,711	118,352	106,277	94,570	83,323	72,626	62,557	53,182	44,558	36,735	29,747	23,614	18,335	13,889	10,237
2006	357,653	336,509	315,010	293,248	271,330	249,373	227,516	205,925	184,772	164,224	144,438	125,567	107,767	91,186	75,952	62,171	49,919	39,235
2007	93,189	81,750	71,011	61,017	51,807	43,409	35,846	29,131	23,263	18,221	13,967	10,450	7,609	5,374	3,668	2,408	1,513	904
2008	513,933	493,654	472,406	450,228	427,177	403,321	378,760	353,631	328,090	302,301	276,432	250,664	225,207	200,286	176,135	152,995	131,097	110,661
2009	490,571	465,374	439,469	412,946	385,916	358,504	330,866	303,193	275,696	248,583	222,055	196,322	171,606	148,126	126,096	105,707	87,125	70,475
2010	462,723	456,278	448,989	440,817	431,724	421,673	410,642	398,621	385,616	371,631	356,675	340,766	323,944	306,271	287,827	268,721	249,081	229,064
2011	382,105	361,462	340,321	318,762	296,882	274,786	252,607	230,503	208,647	187,207	166,344	146,224	127,019	108,898	92,016	76,514	62,505	50,068
2012	391,719	377,365	362,248	346,389	329,821	312,586	294,747	276,396	257,639	238,590	219,365	200,092	180,922	162,020	143,561	125,728	108,703	92,663
2013	96,093	85,815	75,979	66,636	57,838	49,627	42,047	35,135	28,918	23,408	18,599	14,474	11,007	8,156	5,871	4,090	2,747	1,770
2014	130,680	115,154	100,508	86,810	74,116	62,475	51,925	42,496	34,196	27,008	20,892	15,787	11,623	8,310	5,749	3,832	2,449	1,493
2015	407,793	381,038	354,072	327,024	300,040	273,275	246,911	221,152	196,209	172,277	149,535	128,150	108,284	90,079	73,647	59,068	46,376	35,559
2016	144,348	130,344	116,778	103,727	91,267	79,469	68,406	58,149	48,758	40,271	32,709	26,075	20,358	15,530	11,544	8,336	5,826	3,926
2017	289,123	263,524	238,467	214,093	190,548	167,977	146,530	126,364	107,617	90,398	74,784	60,824	48,543	37,935	28,959	21,535	15,553	10,870
2018	515,916	485,870	455,281	424,279	393,014	361,650	330,386	299,454	269,102	239,568	211,078	183,853	158,122	134,098	111,974	91,908	74,017	58,367
2019	119,319	111,807	104,194	96,516	88,813	81,136	73,539	66,086	58,833	51,836	45,150	38,831	32,932	27,498	22,571	18,177	14,334	11,042

Notes: (a) The product of average incremental payment per open accepted claim (shown in Appendix E, Exhibit III, Sheets 2a to 2g) and prospective open accepted claim counts (shown in Appendix E, Exhibit III, Sheets 3a to 3g).

**Development of Prospective Incremental Payment - Birth Year Level (a)**

Assumed Annual Increase Utilization Rate

Year of Birth	Maturity (months) 1083:1095	Maturity (months) 1095:1107	Maturity (months) 1107:1119	Maturity (months) 1119:1131	Maturity (months) 1131:1143	Maturity (months) 1143:1155	Maturity (months) 1155:1167	Maturity (months) 1167:1179	Maturity (months) 1179:1191	Maturity (months) 1191:1203	Maturity (months) 1203:1215	Maturity (months) 1215:1227	Maturity (months) 1227:1239	Maturity (months) 1239:1251	Maturity (months) 1251:1263	Maturity (months) 1263:1275	Maturity (months) 1275:1287	Maturity (months) 1287:1299
1989	9,342	6,834	4,843	3,313	2,180	1,372	823	468	250	126	59	25	10	4	2	1	0	0
1990	43	20	8	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	51,733	42,380	34,046	26,769	20,557	15,382	11,189	7,895	5,392	3,556	2,258	1,376	818	486	289	172	102	61
1992	64,485	51,578	40,358	30,823	22,921	16,552	11,573	7,815	5,083	3,176	1,899	1,082	599	332	184	102	56	31
1993	38,079	29,418	22,153	16,215	11,503	7,881	5,197	3,288	1,988	1,144	624	321	159	79	39	19	10	5
1994	49,323	41,673	34,634	28,269	22,621	17,714	13,549	10,105	7,338	5,177	3,543	2,346	1,522	988	641	416	270	175
1995	64,814	53,292	42,986	33,950	26,200	19,712	14,426	10,247	7,050	4,688	3,004	1,850	1,111	668	401	241	145	87
1996	1,815	1,113	647	354	180	85	36	14	5	1	0	0	0	0	0	0	0	0
1997	83,393	69,061	56,145	44,729	34,850	26,499	19,620	14,118	9,854	6,656	4,341	2,725	1,672	1,025	629	386	237	145
1998	71,426	56,164	43,127	32,260	23,442	16,498	11,211	7,333	4,603	2,764	1,581	857	450	236	124	65	34	18
1999	3,264	2,187	1,405	861	500	273	139	66	28	11	4	1	0	0	0	0	0	0
2000	194	101	48	21	8	3	1	0	0	0	0	0	0	0	0	0	0	0
2001	25,535	19,806	14,980	11,019	7,859	5,418	3,597	2,293	1,398	813	448	233	117	59	30	15	7	4
2002	20,691	14,672	10,044	6,610	4,163	2,495	1,415	754	376	174	74	28	10	4	1	0	0	0
2003	27	12	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2004	36,180	28,926	22,624	17,270	12,835	9,263	6,472	4,367	2,838	1,771	1,058	602	333	184	102	56	31	17
2005	7,317	5,054	3,359	2,139	1,297	745	403	203	95	41	16	5	2	1	0	0	0	0
2006	30,115	22,515	16,349	11,493	7,794	5,077	3,164	1,878	1,057	561	279	129	57	25	11	5	2	1
2007	510	270	132	59	24	8	3	1	0	0	0	0	0	0	0	0	0	0
2008	91,881	74,913	59,868	46,803	35,713	26,537	19,153	13,398	9,063	5,913	3,711	2,233	1,309	767	450	264	155	91
2009	55,838	43,238	32,642	23,961	17,051	11,724	7,762	4,932	2,997	1,735	952	493	246	123	61	31	15	8
2010	208,848	188,634	168,636	149,083	130,206	112,233	95,377	79,844	65,787	53,306	42,437	33,154	25,612	19,786	15,285	11,808	9,122	7,047
2011	39,244	30,029	22,374	16,185	11,331	7,651	4,963	3,082	1,825	1,027	546	272	131	63	30	14	7	3
2012	77,769	64,160	51,945	41,194	31,935	24,147	17,769	12,700	8,797	5,893	3,808	2,366	1,436	871	529	321	195	118
2013	1,089	635	348	178	84	36	14	5	1	0	0	0	0	0	0	0	0	0
2014	861	467	236	109	46	17	6	2	0	0	0	0	0	0	0	0	0	0
2015	26,557	19,262	13,523	9,155	5,951	3,697	2,183	1,220	641	314	143	60	24	9	4	1	1	0
2016	2,539	1,567	917	505	260	123	53	21	7	2	1	0	0	0	0	0	0	0
2017	7,323	4,734	2,920	1,708	941	484	230	100	39	14	4	1	0	0	0	0	0	0
2018	44,964	33,753	24,620	17,394	11,861	7,776	4,880	2,919	1,658	889	448	210	94	42	19	9	4	2
2019	8,289	6,046	4,272	2,913	1,910	1,198	717	407	218	110	52	23	10	5	2	1	0	0

Notes: (a) The product of average incremental payment per open accepted claim (shown in Appendix E, Exhibit III, Sheets 2a to 2g) and prospective open accepted claim counts (shown in Appendix E, Exhibit III, Sheets 3a to 3g).

**Development of Prospective Incremental Payment - Birth Year Level (a)**

Assumed Annual Increase Utilization Rate

Year of Birth	Maturity (months) 1299:1311	Maturity (months) 1311:1323	Maturity (months) 1323:1335	Maturity (months) 1335:1347	Maturity (months) 1347:1359	Maturity (months) 1359:1371	Maturity (months) 1371:1383	Maturity (months) 1383:1395	Maturity (months) 1395:1407	Maturity (months) 1407:1419	Maturity (months) 1419:1431	Maturity (months) 1431:1443	Maturity (months) 1443:1455	Maturity (months) 1455:1467	Totals Outstanding
1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,190,711
1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,648,788
1991	36	21	13	8	5	3	2	1	1	0	0	0	0	0	19,071,681
1992	17	10	5	3	2	1	0	0	0	0	0	0	0	0	31,426,010
1993	2	1	1	0	0	0	0	0	0	0	0	0	0	0	27,683,250
1994	114	74	48	31	20	13	8	6	4	2	2	1	1	0	13,746,290
1995	52	31	19	11	7	4	2	1	1	1	0	0	0	0	24,752,914
1996	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16,784,160
1997	89	55	34	21	13	8	5	3	2	1	1	0	0	0	30,450,605
1998	9	5	3	1	1	0	0	0	0	0	0	0	0	0	47,218,902
1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12,852,442
2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,630,351
2001	2	1	0	0	0	0	0	0	0	0	0	0	0	0	20,766,646
2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46,767,521
2003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,559,672
2004	10	5	3	2	1	0	0	0	0	0	0	0	0	0	21,929,334
2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23,519,893
2006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40,489,628
2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28,485,091
2008	53	31	18	11	6	4	2	1	1	0	0	0	0	0	47,166,530
2009	4	2	1	0	0	0	0	0	0	0	0	0	0	0	52,710,019
2010	5,444	4,205	3,249	2,510	1,939	1,498	1,157	894	690	533	412	318	246	190	34,480,022
2011	2	1	0	0	0	0	0	0	0	0	0	0	0	0	43,776,767
2012	72	44	26	16	10	6	4	2	1	1	0	0	0	0	36,648,561
2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25,760,849
2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44,142,522
2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58,322,821
2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34,726,830
2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61,055,924
2018	1	0	0	0	0	0	0	0	0	0	0	0	0	0	68,267,499
2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16,583,457

965,615,689

Notes: (a) The product of average incremental payment per open accepted claim (shown in Appendix E, Exhibit III, Sheets 2a to 2g) and prospective open accepted claim counts (shown in Appendix E, Exhibit III, Sheets 3a to 3g).

**Development of Incremental Payment Per Open Accepted Claim - Birth Year Cost Level (a)**

Assumed Annual Increase Utilization Rate **2.00%**

Average Incremental Payment Per Open Accepted Claim by Maturity (b)

2019 Leve	85,068	105,169	104,576	105,942	72,469	90,958	76,659	79,594	81,791	83,336	85,683	87,281	87,119	88,950	90,698	92,875	92,238	94,247	
Year of Birth	Maturity (months) 3:15	Maturity (months) 15:27	Maturity (months) 27:39	Maturity (months) 39:51	Maturity (months) 51:63	Maturity (months) 63:75	Maturity (months) 75:87	Maturity (months) 87:99	Maturity (months) 99:111	Maturity (months) 111:123	Maturity (months) 123:135	Maturity (months) 135:147	Maturity (months) 147:159	Maturity (months) 159:171	Maturity (months) 171:183	Maturity (months) 183:195	Maturity (months) 195:207	Maturity (months) 207:219	
1989																			
1990																			
1991																			
1992																			
1993																			
1994																			
1995																			
1996																			
1997																			
1998																			
1999																			
2000																			
2001																			
2002																			72,852
2003																	102,210		104,435
2004																	68,813	68,341	69,829
2005															66,995	68,603	68,132	69,616	
2006														76,736	78,244	80,122	79,573	81,306	
2007													103,875	106,058	108,143	110,738	109,979	112,374	
2008											72,136	72,003	73,516	74,961	76,760	76,234	77,894		
2009										79,592	81,076	80,926	82,627	84,251	86,273	85,681	87,547		
2010									65,027	66,858	68,105	67,979	69,408	70,772	72,470	71,973	73,541		
2011								64,027	65,236	67,073	68,324	68,198	69,631	70,999	72,703	72,205	73,777		
2012							62,570	64,298	65,512	67,357	68,613	68,486	69,925	71,300	73,011	72,510	74,089		
2013							73,541	76,356	78,464	79,946	82,197	83,731	83,576	85,332	87,009	89,098	88,487	90,413	
2014						87,772	73,975	76,806	78,927	80,417	82,682	84,224	84,069	85,835	87,522	89,623	89,008	90,946	
2015					70,060	87,935	74,112	76,949	79,073	80,566	82,835	84,380	84,224	85,994	87,684	89,789	89,173	91,115	
2016				102,597	70,181	88,086	74,239	77,081	79,209	80,705	82,977	84,525	84,369	86,142	87,835	89,943	89,326	91,271	
2017			103,307	104,656	71,589	89,853	75,729	78,628	80,798	82,324	84,642	86,221	86,062	87,870	89,597	91,748	91,119	93,103	
2018		104,124	103,537	104,889	71,748	90,054	75,897	78,803	80,978	82,507	84,831	86,413	86,253	88,066	89,797	91,952	91,321	93,310	
2019	84,387	104,328	103,740	105,095	71,889	90,230	76,046	78,957	81,137	82,669	84,997	86,583	86,423	88,239	89,973	92,132	91,500	93,493	

Notes: (a) Average incremental payment 2019 level per open accepted claim are adjusted to severity level and birth year level. See Column (5) of Appendix E, Exh bit II, Sheet 2, and Column (5) of Appendix E, Exhibit II, Sheet 3, respectively.  
 (b) See Appendix E, Exh bit II, Sheet 1, Columns (3) and (7).

**Development of Incremental Payment Per Open Accepted Claim - Birth Year Cost Level (a)**

Assumed Annual Increase Utilization Rate

Average Incremental Payment Per Open Accepted Claim by Maturity (b)

2019 Leve	95,755	97,232	98,941	101,423	101,609	103,901	110,000	110,000	110,000	110,000	105,000	105,000	107,100	109,242	111,427	113,655	115,928	118,247
Year of Birth	Maturity (months) 219:231	Maturity (months) 231:243	Maturity (months) 243:255	Maturity (months) 255:267	Maturity (months) 267:279	Maturity (months) 279:291	Maturity (months) 291:303	Maturity (months) 303:315	Maturity (months) 315:327	Maturity (months) 327:339	Maturity (months) 339:351	Maturity (months) 351:363	Maturity (months) 363:375	Maturity (months) 375:387	Maturity (months) 387:399	Maturity (months) 399:411	Maturity (months) 411:423	Maturity (months) 423:435
1989													67,108	68,450	69,819	71,215	72,640	74,092
1990												58,954	60,134	61,336	62,563	63,814	65,091	66,392
1991											87,222	87,222	88,966	90,746	92,561	94,412	96,300	98,226
1992									70,357	67,159	67,159	68,503	69,873	71,270	72,696	74,149	75,632	
1993								74,606	74,606	71,215	71,215	72,640	74,092	75,574	77,086	78,627	80,200	
1994								59,141	59,141	59,141	56,453	56,453	57,582	58,734	59,908	61,106	62,328	63,575
1995							91,020	91,020	91,020	91,020	86,883	86,883	88,620	90,393	92,201	94,045	95,926	97,844
1996						78,780	83,404	83,404	83,404	83,404	79,613	79,613	81,205	82,830	84,486	86,176	87,899	89,657
1997					62,577	63,988	67,744	67,744	67,744	67,744	64,665	64,665	65,958	67,278	68,623	69,996	71,396	72,823
1998				79,190	79,336	81,125	85,887	85,887	85,887	85,887	81,983	81,983	83,623	85,295	87,001	88,741	90,516	92,326
1999			100,882	103,412	103,602	105,939	112,158	112,158	112,158	112,158	107,060	107,060	109,201	111,385	113,613	115,885	118,203	120,567
2000		63,969	65,093	66,725	66,848	68,356	72,368	72,368	72,368	72,368	69,079	69,079	70,461	71,870	73,307	74,773	76,269	77,794
2001	91,340	92,750	94,380	96,747	96,924	99,111	104,929	104,929	104,929	104,929	100,159	100,159	102,162	104,206	106,290	108,415	110,584	112,795
2002	74,017	75,160	76,481	78,399	78,543	80,314	85,029	85,029	85,029	85,029	81,164	81,164	82,787	84,443	86,132	87,854	89,611	91,404
2003	106,106	107,743	109,637	112,387	112,593	115,133	121,891	121,891	121,891	121,891	116,351	116,351	118,678	121,051	123,472	125,942	128,461	131,030
2004	70,946	72,041	73,307	75,146	75,284	76,982	81,501	81,501	81,501	81,501	77,796	77,796	79,352	80,939	82,558	84,209	85,893	87,611
2005	70,730	71,821	73,083	74,916	75,054	76,747	81,252	81,252	81,252	81,252	77,559	77,559	79,110	80,692	82,306	83,952	85,631	87,343
2006	82,606	83,881	85,355	87,496	87,657	89,634	94,896	94,896	94,896	94,896	90,582	90,582	92,394	94,242	96,127	98,049	100,010	102,010
2007	114,171	115,933	117,971	120,929	121,151	123,884	131,156	131,156	131,156	131,156	125,195	125,195	127,699	130,253	132,858	135,515	138,225	140,990
2008	79,140	80,361	81,774	83,824	83,978	85,873	90,913	90,913	90,913	90,913	86,781	86,781	88,517	90,287	92,093	93,935	95,813	97,729
2009	88,948	90,320	91,908	94,213	94,386	96,515	102,180	102,180	102,180	102,180	97,536	97,536	99,487	101,476	103,506	105,576	107,687	109,841
2010	74,717	75,870	77,204	79,140	79,285	81,074	85,833	85,833	85,833	85,833	81,931	81,931	83,570	85,241	86,946	88,685	90,459	92,268
2011	74,957	76,114	77,452	79,394	79,540	81,334	86,109	86,109	86,109	86,109	82,195	82,195	83,839	85,515	87,226	88,970	90,750	92,565
2012	75,275	76,436	77,780	79,730	79,877	81,678	86,473	86,473	86,473	86,473	82,542	82,542	84,193	85,877	87,595	89,347	91,133	92,956
2013	91,860	93,277	94,917	97,297	97,476	99,675	105,526	105,526	105,526	105,526	100,729	100,729	102,744	104,799	106,895	109,032	111,213	113,437
2014	92,401	93,827	95,476	97,871	98,051	100,262	106,148	106,148	106,148	106,148	101,323	101,323	103,349	105,416	107,525	109,675	111,869	114,106
2015	92,573	94,001	95,653	98,052	98,232	100,448	106,345	106,345	106,345	106,345	101,511	101,511	103,541	105,612	107,724	109,879	112,076	114,318
2016	92,732	94,162	95,817	98,220	98,401	100,621	106,527	106,527	106,527	106,527	101,685	101,685	103,719	105,793	107,909	110,067	112,268	114,514
2017	94,592	96,052	97,740	100,191	100,375	102,640	108,664	108,664	108,664	108,664	103,725	103,725	105,800	107,916	110,074	112,275	114,521	116,811
2018	94,803	96,266	97,958	100,415	100,599	102,868	108,907	108,907	108,907	108,907	103,956	103,956	106,035	108,156	110,319	112,526	114,776	117,072
2019	94,989	96,455	98,150	100,611	100,796	103,070	109,120	109,120	109,120	109,120	104,160	104,160	106,243	108,368	110,535	112,746	115,001	117,301

Notes: (a) Average incremental payment 2019 level per open accepted claim are adjusted to severity level and birth year level. See Column (5) of Appendix E, Exhibit II, Sheet 2, and Column (5) of Appendix E, Exhibit II, Sheet 3, respectively.  
 (b) See Appendix E, Exhibit II, Sheet 1, Columns (3) and (7).

**Development of Incremental Payment Per Open Accepted Claim - Birth Year Cost Level (a)**

Assumed Annual Increase Utilization Rate

Average Incremental Payment Per Open Accepted Claim by Maturity (b)

2019 Leve	120,612	123,024	125,485	127,994	130,554	133,165	135,829	138,545	141,316	144,142	147,025	149,966	152,965	156,024	159,145	162,328	165,574	168,886
Year of Birth	Maturity (months) 435:447	Maturity (months) 447:459	Maturity (months) 459:471	Maturity (months) 471:483	Maturity (months) 483:495	Maturity (months) 495:507	Maturity (months) 507:519	Maturity (months) 519:531	Maturity (months) 531:543	Maturity (months) 543:555	Maturity (months) 555:567	Maturity (months) 567:579	Maturity (months) 579:591	Maturity (months) 591:603	Maturity (months) 603:615	Maturity (months) 615:627	Maturity (months) 627:639	Maturity (months) 639:651
1989	75,574	77,086	78,627	80,200	81,804	83,440	85,109	86,811	88,547	90,318	92,125	93,967	95,846	97,763	99,719	101,713	103,747	105,822
1990	67,720	69,075	70,456	71,865	73,302	74,769	76,264	77,789	79,345	80,932	82,551	84,202	85,886	87,603	89,355	91,142	92,965	94,825
1991	100,191	102,194	104,238	106,323	108,450	110,619	112,831	115,088	117,389	119,737	122,132	124,575	127,066	129,607	132,199	134,843	137,540	140,291
1992	77,145	78,688	80,262	81,867	83,504	85,174	86,878	88,615	90,388	92,195	94,039	95,920	97,839	99,795	101,791	103,827	105,904	108,022
1993	81,804	83,440	85,109	86,811	88,547	90,318	92,124	93,967	95,846	97,763	99,718	101,713	103,747	105,822	107,939	110,097	112,299	114,545
1994	64,847	66,143	67,466	68,816	70,192	71,596	73,028	74,488	75,978	77,498	79,048	80,629	82,241	83,886	85,564	87,275	89,020	90,801
1995	99,801	101,797	103,833	105,910	108,028	110,188	112,392	114,640	116,933	119,272	121,657	124,090	126,572	129,103	131,685	134,319	137,005	139,746
1996	91,451	93,280	95,145	97,048	98,989	100,969	102,988	105,048	107,149	109,292	111,478	113,707	115,981	118,301	120,667	123,080	125,542	128,053
1997	74,280	75,766	77,281	78,826	80,403	82,011	83,651	85,324	87,031	88,771	90,547	92,358	94,205	96,089	98,011	99,971	101,970	104,010
1998	94,173	96,056	97,978	99,937	101,936	103,975	106,054	108,175	110,339	112,545	114,796	117,092	119,434	121,823	124,259	126,744	129,279	131,865
1999	122,978	125,438	127,946	130,505	133,115	135,778	138,493	141,263	144,088	146,970	149,910	152,908	155,966	159,085	162,267	165,512	168,823	172,199
2000	79,350	80,937	82,556	84,207	85,891	87,609	89,361	91,148	92,971	94,831	96,727	98,662	100,635	102,648	104,701	106,795	108,931	111,109
2001	115,051	117,352	119,699	122,093	124,535	127,026	129,567	132,158	134,801	137,497	140,247	143,052	145,913	148,831	151,808	154,844	157,941	161,100
2002	93,232	95,096	96,998	98,938	100,917	102,935	104,994	107,094	109,236	111,421	113,649	115,922	118,240	120,605	123,017	125,478	127,987	130,547
2003	133,650	136,323	139,050	141,831	144,668	147,561	150,512	153,522	156,593	159,725	162,919	166,178	169,501	172,891	176,349	179,876	183,473	187,143
2004	89,363	91,151	92,974	94,833	96,730	98,664	100,638	102,650	104,703	106,798	108,933	111,112	113,334	115,601	117,913	120,271	122,677	125,130
2005	89,090	90,872	92,690	94,543	96,434	98,363	100,330	102,337	104,384	106,471	108,601	110,773	112,988	115,248	117,553	119,904	122,302	124,748
2006	104,050	106,131	108,254	110,419	112,628	114,880	117,178	119,521	121,912	124,350	126,837	129,374	131,961	134,600	137,292	140,038	142,839	145,696
2007	143,809	146,686	149,619	152,612	155,664	158,777	161,953	165,192	168,496	171,866	175,303	178,809	182,385	186,033	189,753	193,548	197,419	201,368
2008	99,684	101,678	103,711	105,786	107,901	110,059	112,260	114,506	116,796	119,132	121,514	123,945	126,423	128,952	131,531	134,162	136,845	139,582
2009	112,038	114,279	116,564	118,896	121,274	123,699	126,173	128,696	131,270	133,896	136,574	139,305	142,091	144,933	147,832	150,788	153,804	156,880
2010	94,113	95,995	97,915	99,874	101,871	103,909	105,987	108,106	110,269	112,474	114,723	117,018	119,358	121,745	124,180	126,664	129,197	131,781
2011	94,416	96,304	98,230	100,195	102,199	104,243	106,328	108,454	110,623	112,836	115,092	117,394	119,742	122,137	124,580	127,071	129,613	132,205
2012	94,815	96,712	98,646	100,619	102,631	104,684	106,777	108,913	111,091	113,313	115,579	117,891	120,249	122,654	125,107	127,609	130,161	132,764
2013	115,706	118,020	120,381	122,788	125,244	127,749	130,304	132,910	135,568	138,279	141,045	143,866	146,743	149,678	152,672	155,725	158,840	162,016
2014	116,388	118,716	121,090	123,512	125,982	128,502	131,072	133,693	136,367	139,095	141,876	144,714	147,608	150,560	153,572	156,643	159,776	162,971
2015	116,604	118,936	121,315	123,741	126,216	128,740	131,315	133,941	136,620	139,353	142,140	144,982	147,882	150,840	153,856	156,934	160,072	163,274
2016	116,804	119,140	121,523	123,953	126,432	128,961	131,540	134,171	136,854	139,592	142,383	145,231	148,136	151,098	154,120	157,203	160,347	163,554
2017	119,148	121,531	123,961	126,440	128,969	131,549	134,180	136,863	139,600	142,392	145,240	148,145	151,108	154,130	157,213	160,357	163,564	166,835
2018	119,413	121,801	124,237	126,722	129,257	131,842	134,479	137,168	139,911	142,710	145,564	148,475	151,445	154,474	157,563	160,714	163,929	167,207
2019	119,647	122,040	124,481	126,970	129,510	132,100	134,742	137,437	140,186	142,989	145,849	148,766	151,741	154,776	157,872	161,029	164,250	167,535

Notes: (a) Average incremental payment 2019 level per open accepted claim are adjusted to severity level and birth year level. See Column (5) of Appendix E, Exhibit II, Sheet 2, and Column (5) of Appendix E, Exhibit II, Sheet 3, respectively.  
 (b) See Appendix E, Exhibit II, Sheet 1, Columns (3) and (7).



**Development of Incremental Payment Per Open Accepted Claim - Birth Year Cost Level (a)**

Assumed Annual Increase Utilization Rate

**Average Incremental Payment Per Open Accepted Claim by Maturity (b)**

2019 Level	172,264	175,709	179,223	182,808	186,464	190,193	193,997	197,877	201,834	205,871	209,988	214,188	218,472	222,841	227,298	231,844	236,481	241,211
Year of Birth	Maturity (months) 651:663	Maturity (months) 663:675	Maturity (months) 675:687	Maturity (months) 687:699	Maturity (months) 699:711	Maturity (months) 711:723	Maturity (months) 723:735	Maturity (months) 735:747	Maturity (months) 747:759	Maturity (months) 759:771	Maturity (months) 771:783	Maturity (months) 783:795	Maturity (months) 795:807	Maturity (months) 807:819	Maturity (months) 819:831	Maturity (months) 831:843	Maturity (months) 843:855	Maturity (months) 855:867
1989	107,939	110,097	112,299	114,545	116,836	119,173	121,556	123,988	126,467	128,997	131,577	134,208	136,892	139,630	142,423	145,271	148,177	151,140
1990	96,721	98,656	100,629	102,641	104,694	106,788	108,924	111,102	113,324	115,591	117,902	120,261	122,666	125,119	127,621	130,174	132,777	135,433
1991	143,097	145,959	148,878	151,856	154,893	157,991	161,150	164,373	167,661	171,014	174,434	177,923	181,482	185,111	188,813	192,590	196,441	200,370
1992	110,182	112,386	114,633	116,926	119,265	121,650	124,083	126,565	129,096	131,678	134,311	136,998	139,738	142,532	145,383	148,291	151,256	154,282
1993	116,836	119,173	121,556	123,987	126,467	128,997	131,576	134,208	136,892	139,630	142,423	145,271	148,176	151,140	154,163	157,246	160,391	163,599
1994	92,617	94,469	96,359	98,286	100,251	102,256	104,302	106,388	108,515	110,686	112,899	115,157	117,461	119,810	122,206	124,650	127,143	129,686
1995	142,541	145,391	148,299	151,265	154,290	157,376	160,524	163,734	167,009	170,349	173,756	177,231	180,776	184,391	188,079	191,841	195,678	199,591
1996	130,614	133,226	135,891	138,608	141,381	144,208	147,092	150,034	153,035	156,096	159,218	162,402	165,650	168,963	172,342	175,789	179,305	182,891
1997	106,090	108,212	110,376	112,584	114,835	117,132	119,475	121,864	124,301	126,787	129,323	131,910	134,548	137,239	139,984	142,783	145,639	148,552
1998	134,502	137,192	139,936	142,735	145,590	148,501	151,471	154,501	157,591	160,743	163,957	167,237	170,581	173,993	177,473	181,022	184,643	188,336
1999	175,643	179,156	182,739	186,394	190,122	193,924	197,803	201,759	205,794	209,910	214,108	218,390	222,758	227,213	231,757	236,392	241,120	245,943
2000	113,331	115,598	117,910	120,268	122,673	125,127	127,629	130,182	132,786	135,441	138,150	140,913	143,732	146,606	149,538	152,529	155,580	158,691
2001	164,322	167,608	170,960	174,379	177,867	181,424	185,053	188,754	192,529	196,380	200,307	204,313	208,400	212,568	216,819	221,155	225,578	230,090
2002	133,158	135,821	138,538	141,308	144,134	147,017	149,957	152,957	156,016	159,136	162,319	165,565	168,876	172,254	175,699	179,213	182,797	186,453
2003	190,886	194,703	198,598	202,569	206,621	210,753	214,968	219,268	223,653	228,126	232,689	237,342	242,089	246,931	251,870	256,907	262,045	267,286
2004	127,633	130,186	132,789	135,445	138,154	140,917	143,735	146,610	149,542	152,533	155,584	158,695	161,869	165,107	168,409	171,777	175,213	178,717
2005	127,243	129,788	132,384	135,031	137,732	140,487	143,296	146,162	149,085	152,067	155,108	158,211	161,375	164,602	167,894	171,252	174,677	178,171
2006	148,610	151,582	154,613	157,706	160,860	164,077	167,359	170,706	174,120	177,602	181,154	184,777	188,473	192,242	196,087	200,009	204,009	208,089
2007	205,395	209,503	213,693	217,967	222,326	226,773	231,308	235,935	240,653	245,466	250,376	255,383	260,491	265,701	271,015	276,435	281,964	287,603
2008	142,373	145,221	148,125	151,088	154,110	157,192	160,336	163,542	166,813	170,149	173,552	177,023	180,564	184,175	187,859	191,616	195,448	199,357
2009	160,018	163,218	166,483	169,812	173,209	176,673	180,206	183,810	187,486	191,236	195,061	198,962	202,941	207,000	211,140	215,363	219,670	224,064
2010	134,417	137,105	139,847	142,644	145,497	148,407	151,375	154,403	157,491	160,640	163,853	167,130	170,473	173,882	177,360	180,907	184,525	188,216
2011	134,849	137,546	140,297	143,103	145,965	148,884	151,862	154,899	157,997	161,157	164,380	167,668	171,021	174,442	177,930	181,489	185,119	188,821
2012	135,419	138,128	140,890	143,708	146,582	149,514	152,504	155,554	158,666	161,839	165,076	168,377	171,745	175,180	178,683	182,257	185,902	189,620
2013	165,257	168,562	171,933	175,372	178,879	182,457	186,106	189,828	193,625	197,497	201,447	205,476	209,586	213,777	218,053	222,414	226,862	231,399
2014	166,231	169,556	172,947	176,406	179,934	183,532	187,203	190,947	194,766	198,661	202,635	206,687	210,821	215,037	219,338	223,725	228,199	232,763
2015	166,539	169,870	173,267	176,733	180,267	183,873	187,550	191,301	195,127	199,030	203,010	207,071	211,212	215,436	219,745	224,140	228,623	233,195
2016	166,825	170,161	173,564	177,036	180,577	184,188	187,872	191,629	195,462	199,371	203,358	207,426	211,574	215,806	220,122	224,524	229,015	233,595
2017	170,172	173,576	177,047	180,588	184,200	187,884	191,642	195,474	199,384	203,372	207,439	211,588	215,819	220,136	224,539	229,029	233,610	238,282
2018	170,551	173,962	177,442	180,990	184,610	188,302	192,068	195,910	199,828	203,825	207,901	212,059	216,300	220,626	225,039	229,540	234,130	238,813
2019	170,886	174,303	177,789	181,345	184,972	188,671	192,445	196,294	200,220	204,224	208,308	212,475	216,724	221,059	225,480	229,989	234,589	239,281

Notes: (a) Average incremental payment 2019 level per open accepted claim are adjusted to severity level and birth year level. See Column (5) of Appendix E, Exhibit II, Sheet 2, and Column (5) of Appendix E, Exhibit II, Sheet 3, respectively.

(b) See Appendix E, Exhibit II, Sheet 1, Columns (3) and (7).



**Development of Incremental Payment Per Open Accepted Claim - Birth Year Cost Level (a)**

Assumed Annual Increase Utilization Rate

Average Incremental Payment Per Open Accepted Claim by Maturity (b)

2019 Leve	246,035	250,956	255,975	261,094	266,316	271,642	277,075	282,617	288,269	294,034	299,915	305,913	312,032	318,272	324,638	331,131	337,753	344,508
Year of Birth	Maturity (months) 867:879	Maturity (months) 879:891	Maturity (months) 891:903	Maturity (months) 903:915	Maturity (months) 915:927	Maturity (months) 927:939	Maturity (months) 939:951	Maturity (months) 951:963	Maturity (months) 963:975	Maturity (months) 975:987	Maturity (months) 987:999	Maturity (months) 999:1011	Maturity (months) 1011:1023	Maturity (months) 1023:1035	Maturity (months) 1035:1047	Maturity (months) 1047:1059	Maturity (months) 1059:1071	Maturity (months) 1071:1083
1989	154,163	157,246	160,391	163,599	166,871	170,208	173,613	177,085	180,627	184,239	187,924	191,682	195,516	199,426	203,415	207,483	211,633	215,865
1990	138,142	140,904	143,722	146,597	149,529	152,519	155,570	158,681	161,855	165,092	168,394	171,762	175,197	178,701	182,275	185,920	189,639	193,431
1991	204,378	208,465	212,635	216,887	221,225	225,649	230,162	234,766	239,461	244,250	249,135	254,118	259,200	264,384	269,672	275,065	280,567	286,178
1992	157,367	160,515	163,725	166,999	170,339	173,746	177,221	180,765	184,381	188,068	191,830	195,666	199,580	203,571	207,643	211,796	216,031	220,352
1993	166,871	170,208	173,612	177,085	180,626	184,239	187,924	191,682	195,516	199,426	203,415	207,483	211,632	215,865	220,182	224,586	229,078	233,659
1994	132,280	134,925	137,624	140,376	143,184	146,047	148,968	151,948	154,987	158,086	161,248	164,473	167,763	171,118	174,540	178,031	181,592	185,223
1995	203,583	207,655	211,808	216,044	220,365	224,772	229,267	233,853	238,530	243,300	248,166	253,130	258,192	263,356	268,623	273,996	279,476	285,065
1996	186,549	190,280	194,085	197,967	201,926	205,965	210,084	214,286	218,572	222,943	227,402	231,950	236,589	241,321	246,147	251,070	256,091	261,213
1997	151,523	154,553	157,644	160,797	164,013	167,293	170,639	174,052	177,533	181,084	184,705	188,399	192,167	196,011	199,931	203,930	208,008	212,168
1998	192,102	195,944	199,863	203,860	207,938	212,096	216,338	220,665	225,078	229,580	234,172	238,855	243,632	248,505	253,475	258,544	263,715	268,990
1999	250,862	255,879	260,996	266,216	271,541	276,971	282,511	288,161	293,924	299,803	305,799	311,915	318,153	324,516	331,007	337,627	344,379	351,267
2000	161,865	165,102	168,404	171,772	175,208	178,712	182,286	185,932	189,651	193,444	197,313	201,259	205,284	209,390	213,577	217,849	222,206	226,650
2001	234,692	239,386	244,173	249,057	254,038	259,119	264,301	269,587	274,979	280,478	286,088	291,810	297,646	303,599	309,671	315,864	322,182	328,625
2002	190,182	193,986	197,866	201,823	205,859	209,977	214,176	218,460	222,829	227,285	231,831	236,468	241,197	246,021	250,942	255,960	261,080	266,301
2003	272,632	278,084	283,646	289,319	295,105	301,008	307,028	313,168	319,432	325,820	332,337	338,983	345,763	352,678	359,732	366,927	374,265	381,750
2004	182,291	185,937	189,656	193,449	197,318	201,264	205,290	209,395	213,583	217,855	222,212	226,656	231,189	235,813	240,529	245,340	250,247	255,252
2005	181,734	185,369	189,076	192,858	196,715	200,649	204,662	208,756	212,931	217,189	221,533	225,964	230,483	235,093	239,795	244,590	249,482	254,472
2006	212,251	216,496	220,826	225,243	229,747	234,342	239,029	243,810	248,686	253,660	258,733	263,908	269,186	274,570	280,061	285,662	291,375	297,203
2007	293,355	299,222	305,206	311,311	317,537	323,888	330,365	336,973	343,712	350,586	357,598	364,750	372,045	379,486	387,076	394,817	402,713	410,768
2008	203,344	207,411	211,559	215,791	220,106	224,508	228,999	233,579	238,250	243,015	247,875	252,833	257,890	263,047	268,308	273,675	279,148	284,731
2009	228,545	233,116	237,778	242,534	247,384	252,332	257,379	262,526	267,777	273,132	278,595	284,167	289,850	295,647	301,560	307,591	313,743	320,018
2010	191,980	195,820	199,736	203,731	207,806	211,962	216,201	220,525	224,935	229,434	234,023	238,703	243,477	248,347	253,314	258,380	263,548	268,819
2011	192,598	196,450	200,379	204,386	208,474	212,643	216,896	221,234	225,659	230,172	234,775	239,471	244,260	249,146	254,129	259,211	264,395	269,683
2012	193,412	197,281	201,226	205,251	209,356	213,543	217,814	222,170	226,613	231,146	235,769	240,484	245,294	250,200	255,204	260,308	265,514	270,824
2013	236,027	240,748	245,563	250,474	255,484	260,593	265,805	271,121	276,544	282,075	287,716	293,470	299,340	305,327	311,433	317,662	324,015	330,495
2014	237,419	242,167	247,010	251,951	256,990	262,129	267,372	272,719	278,174	283,737	289,412	295,200	301,104	307,126	313,269	319,534	325,925	332,443
2015	237,859	242,616	247,468	252,418	257,466	262,616	267,868	273,225	278,690	284,263	289,949	295,748	301,663	307,696	313,850	320,127	326,529	333,060
2016	238,267	243,032	247,893	252,851	257,908	263,066	268,327	273,694	279,168	284,751	290,446	296,255	302,180	308,224	314,388	320,676	327,089	333,631
2017	243,048	247,909	252,867	257,924	263,083	268,344	273,711	279,186	284,769	290,465	296,274	302,199	308,243	314,408	320,696	327,110	333,653	340,326
2018	243,589	248,461	253,430	258,499	263,669	268,942	274,321	279,807	285,404	291,112	296,934	302,873	308,930	315,109	321,411	327,839	334,396	341,084
2019	244,067	248,948	253,927	259,005	264,186	269,469	274,859	280,356	285,963	291,682	297,516	303,466	309,535	315,726	322,041	328,482	335,051	341,752

Notes: (a) Average incremental payment 2019 level per open accepted claim are adjusted to severity level and birth year level. See Column (5) of Appendix E, Exhibit II, Sheet 2, and Column (5) of Appendix E, Exhibit II, Sheet 3, respectively.  
 (b) See Appendix E, Exhibit II, Sheet 1, Columns (3) and (7).

**Development of Incremental Payment Per Open Accepted Claim - Birth Year Cost Level (a)**

Assumed Annual Increase Utilization Rate

Average Incremental Payment Per Open Accepted Claim by Maturity (b)

2019 Leve	351,398	358,426	365,595	372,907	380,365	387,972	395,732	403,646	411,719	419,954	428,353	436,920	445,658	454,571	463,663	472,936	482,395	492,043
Year of Birth	Maturity (months) 1083:1095	Maturity (months) 1095:1107	Maturity (months) 1107:1119	Maturity (months) 1119:1131	Maturity (months) 1131:1143	Maturity (months) 1143:1155	Maturity (months) 1155:1167	Maturity (months) 1167:1179	Maturity (months) 1179:1191	Maturity (months) 1191:1203	Maturity (months) 1203:1215	Maturity (months) 1215:1227	Maturity (months) 1227:1239	Maturity (months) 1239:1251	Maturity (months) 1251:1263	Maturity (months) 1263:1275	Maturity (months) 1275:1287	Maturity (months) 1287:1299
1989	220,183	224,586	229,078	233,660	238,333	243,100	247,961	252,921	257,979	263,139	268,401	273,770	279,245	284,830	290,526	296,337	302,264	308,309
1990	197,300	201,246	205,271	209,376	213,564	217,835	222,192	226,636	231,169	235,792	240,508	245,318	250,224	255,229	260,333	265,540	270,851	276,268
1991	291,902	297,740	303,694	309,768	315,964	322,283	328,729	335,303	342,009	348,849	355,826	362,943	370,202	377,606	385,158	392,861	400,718	408,733
1992	224,759	229,254	233,839	238,516	243,287	248,152	253,115	258,178	263,341	268,608	273,980	279,460	285,049	290,750	296,565	302,496	308,546	314,717
1993	238,333	243,099	247,961	252,920	257,979	263,138	268,401	273,769	279,245	284,829	290,526	296,337	302,263	308,309	314,475	320,764	327,179	333,723
1994	188,928	192,706	196,561	200,492	204,502	208,592	212,764	217,019	221,359	225,786	230,302	234,908	239,606	244,398	249,286	254,272	259,358	264,545
1995	290,767	296,582	302,514	308,564	314,735	321,030	327,450	333,999	340,679	347,493	354,443	361,532	368,762	376,138	383,660	391,334	399,160	407,143
1996	266,438	271,766	277,202	282,746	288,401	294,169	300,052	306,053	312,174	318,417	324,786	331,282	337,907	344,665	351,559	358,590	365,762	373,077
1997	216,412	220,740	225,155	229,658	234,251	238,936	243,715	248,589	253,561	258,632	263,805	269,081	274,462	279,952	285,551	291,262	297,087	303,029
1998	274,369	279,857	285,454	291,163	296,986	302,926	308,984	315,164	321,467	327,897	334,455	341,144	347,967	354,926	362,024	369,265	376,650	384,183
1999	358,292	365,458	372,767	380,222	387,827	395,583	403,495	411,565	419,796	428,192	436,756	445,491	454,401	463,489	472,759	482,214	491,858	501,695
2000	231,183	235,807	240,523	245,333	250,240	255,245	260,350	265,557	270,868	276,285	281,811	287,447	293,196	299,060	305,041	311,142	317,365	323,712
2001	335,198	341,902	348,740	355,715	362,829	370,085	377,487	385,037	392,738	400,592	408,604	416,776	425,112	433,614	442,286	451,132	460,155	469,358
2002	271,627	277,060	282,601	288,253	294,018	299,898	305,896	312,014	318,255	324,620	331,112	337,734	344,489	351,379	358,406	365,574	372,886	380,344
2003	389,385	397,173	405,117	413,219	421,483	429,913	438,511	447,281	456,227	465,352	474,659	484,152	493,835	503,712	513,786	524,061	534,543	545,234
2004	260,357	265,564	270,875	276,293	281,819	287,455	293,204	299,068	305,049	311,150	317,373	323,721	330,195	336,799	343,535	350,406	357,414	364,562
2005	259,561	264,753	270,048	275,449	280,957	286,577	292,308	298,154	304,117	310,200	316,404	322,732	329,186	335,770	342,486	349,335	356,322	363,448
2006	303,147	309,210	315,394	321,702	328,136	334,699	341,393	348,221	355,185	362,289	369,534	376,925	384,464	392,153	399,996	407,996	416,156	424,479
2007	418,983	427,363	435,910	444,628	453,521	462,591	471,843	481,280	490,905	500,724	510,738	520,953	531,372	541,999	552,839	563,896	575,174	586,677
2008	290,426	296,234	302,159	308,202	314,366	320,653	327,066	333,608	340,280	347,086	354,027	361,108	368,330	375,697	383,210	390,875	398,692	406,666
2009	326,418	332,947	339,606	346,398	353,326	360,392	367,600	374,952	382,451	390,100	397,902	405,860	413,978	422,257	430,702	439,316	448,103	457,065
2010	274,195	279,679	285,272	290,978	296,797	302,733	308,788	314,964	321,263	327,688	334,242	340,927	347,746	354,700	361,794	369,030	376,411	383,939
2011	275,077	280,578	286,190	291,914	297,752	303,707	309,781	315,977	322,296	328,742	335,317	342,024	348,864	355,841	362,958	370,217	377,622	385,174
2012	276,241	281,765	287,401	293,149	299,012	304,992	311,092	317,314	323,660	330,133	336,736	343,470	350,340	357,347	364,493	371,783	379,219	386,803
2013	337,105	343,847	350,724	357,739	364,893	372,191	379,635	387,228	394,972	402,872	410,929	419,148	427,531	436,081	444,803	453,699	462,773	472,029
2014	339,092	345,874	352,792	359,848	367,044	374,385	381,873	389,511	397,301	405,247	413,352	421,619	430,051	438,652	447,425	456,374	465,501	474,811
2015	339,721	346,516	353,446	360,515	367,725	375,080	382,581	390,233	398,037	405,998	414,118	422,401	430,849	439,466	448,255	457,220	466,364	475,692
2016	340,304	347,110	354,052	361,133	368,356	375,723	383,237	390,902	398,720	406,694	414,828	423,125	431,587	440,219	449,024	458,004	467,164	476,507
2017	347,132	354,075	361,156	368,379	375,747	383,262	390,927	398,746	406,721	414,855	423,152	431,615	440,247	449,052	458,033	467,194	476,538	486,069
2018	347,905	354,864	361,961	369,200	376,584	384,116	391,798	399,634	407,627	415,779	424,095	432,577	441,228	450,053	459,054	468,235	477,600	487,152
2019	348,587	355,559	362,670	369,924	377,322	384,868	392,566	400,417	408,425	416,594	424,926	433,424	442,093	450,935	459,953	469,152	478,536	488,106

Notes: (a) Average incremental payment 2019 level per open accepted claim are adjusted to severity level and birth year level. See Column (5) of Appendix E, Exhibit II, Sheet 2, and Column (5) of Appendix E, Exhibit II, Sheet 3, respectively.  
 (b) See Appendix E, Exhibit II, Sheet 1, Columns (3) and (7).

**Development of Incremental Payment Per Open Accepted Claim - Birth Year Cost Level (a)**

Assumed Annual Increase Utilization Rate

Average Incremental Payment Per Open Accepted Claim by Maturity (b)

2019 Leve	501,883	511,921	522,160	532,603	543,255	554,120	565,202	576,506	588,036	599,797	611,793	624,029	636,510	649,240
Year of Birth	Maturity (months) 1299:1311	Maturity (months) 1311:1323	Maturity (months) 1323:1335	Maturity (months) 1335:1347	Maturity (months) 1347:1359	Maturity (months) 1359:1371	Maturity (months) 1371:1383	Maturity (months) 1383:1395	Maturity (months) 1395:1407	Maturity (months) 1407:1419	Maturity (months) 1419:1431	Maturity (months) 1431:1443	Maturity (months) 1443:1455	Maturity (months) 1455:1467
1989	314,475	320,765	327,180	333,724	340,398	347,206	354,150	361,233	368,458	375,827	383,343	391,010	398,831	406,807
1990	281,793	287,429	293,178	299,041	305,022	311,122	317,345	323,692	330,166	336,769	343,504	350,374	357,382	364,530
1991	416,907	425,246	433,750	442,426	451,274	460,299	469,505	478,896	488,474	498,243	508,208	518,372	528,739	539,314
1992	321,011	327,432	333,980	340,660	347,473	354,422	361,511	368,741	376,116	383,638	391,311	399,137	407,120	415,262
1993	340,398	347,205	354,150	361,233	368,457	375,826	383,343	391,010	398,830	406,807	414,943	423,242	431,706	440,340
1994	269,836	275,232	280,737	286,352	292,079	297,920	303,879	309,956	316,155	322,478	328,928	335,507	342,217	349,061
1995	415,286	423,592	432,064	440,705	449,519	458,510	467,680	477,033	486,574	496,306	506,232	516,356	526,683	537,217
1996	380,538	388,149	395,912	403,830	411,907	420,145	428,548	437,119	445,861	454,779	463,874	473,152	482,615	492,267
1997	309,089	315,271	321,576	328,008	334,568	341,259	348,085	355,046	362,147	369,390	376,778	384,313	392,000	399,840
1998	391,867	399,704	407,698	415,852	424,169	432,653	441,306	450,132	459,135	468,317	477,684	487,237	496,982	506,922
1999	511,729	521,964	532,403	543,051	553,912	564,991	576,290	587,816	599,572	611,564	623,795	636,271	648,997	661,976
2000	330,186	336,790	343,526	350,396	357,404	364,552	371,844	379,280	386,866	394,603	402,495	410,545	418,756	427,131
2001	478,745	488,320	498,086	508,048	518,209	528,573	539,145	549,927	560,926	572,144	583,587	595,259	607,164	619,308
2002	387,951	395,710	403,624	411,696	419,930	428,329	436,895	445,633	454,546	463,637	472,910	482,368	492,015	501,855
2003	556,138	567,261	578,606	590,178	601,982	614,022	626,302	638,828	651,605	664,637	677,929	691,488	705,318	719,424
2004	371,854	379,291	386,876	394,614	402,506	410,556	418,767	427,143	435,686	444,399	453,287	462,353	471,600	481,032
2005	370,717	378,132	385,694	393,408	401,276	409,302	417,488	425,838	434,355	443,042	451,902	460,941	470,159	479,563
2006	432,968	441,628	450,460	459,470	468,659	478,032	487,593	497,345	507,292	517,437	527,786	538,342	549,109	560,091
2007	598,411	610,379	622,587	635,039	647,739	660,694	673,908	687,386	701,134	715,157	729,460	744,049	758,930	774,108
2008	414,799	423,095	431,557	440,188	448,992	457,972	467,131	476,474	486,003	495,724	505,638	515,751	526,066	536,587
2009	466,206	475,530	485,041	494,742	504,636	514,729	525,024	535,524	546,235	557,159	568,302	579,669	591,262	603,087
2010	391,618	399,450	407,439	415,588	423,900	432,378	441,025	449,846	458,843	468,020	477,380	486,928	496,666	506,600
2011	392,878	400,735	408,750	416,925	425,263	433,769	442,444	451,293	460,319	469,525	478,916	488,494	498,264	508,229
2012	394,539	402,430	410,479	418,688	427,062	435,603	444,316	453,202	462,266	471,511	480,941	490,560	500,371	510,379
2013	481,469	491,099	500,921	510,939	521,158	531,581	542,212	553,057	564,118	575,400	586,908	598,646	610,619	622,832
2014	484,307	493,994	503,873	513,951	524,230	534,714	545,409	556,317	567,443	578,792	590,368	602,175	614,219	626,503
2015	485,205	494,910	504,808	514,904	525,202	535,706	546,420	557,349	568,496	579,865	591,463	603,292	615,358	627,665
2016	486,038	495,758	505,673	515,787	526,103	536,625	547,357	558,304	569,470	580,860	592,477	604,327	616,413	628,741
2017	495,790	505,706	515,820	526,136	536,659	547,392	558,340	569,507	580,897	592,515	604,365	616,453	628,782	641,357
2018	496,895	506,833	516,969	527,309	537,855	548,612	559,584	570,776	582,191	593,835	605,712	617,826	630,183	642,786
2019	497,868	507,826	517,982	528,342	538,909	549,687	560,681	571,894	583,332	594,999	606,899	619,037	631,417	644,046

Notes: (a) Average incremental payment 2019 level per open accepted claim are adjusted to severity level and birth year level. See Column (5) of Appendix E, Exhibit II, Sheet 2, and Column (5) of Appendix E, Exhibit II, Sheet 3, respectively.

(b) See Appendix E, Exhibit II, Sheet 1, Columns (3) and (7).

Accepted Claim Counts (Excluding Deceased Claims) - Expected Remaining Alive by Maturity

**Prospective Open Accepted Claim Counts (a)**

Year of Birth	Maturity (months) 3:15	Maturity (months) 15:27	Maturity (months) 27:39	Maturity (months) 39:51	Maturity (months) 51:63	Maturity (months) 63:75	Maturity (months) 75:87	Maturity (months) 87:99	Maturity (months) 99:111	Maturity (months) 111:123	Maturity (months) 123:135	Maturity (months) 135:147	Maturity (months) 147:159	Maturity (months) 159:171	Maturity (months) 171:183	Maturity (months) 183:195	Maturity (months) 195:207	Maturity (months) 207:219
1989																		
1990																		
1991																		
1992																		
1993																		
1994																		
1995																		
1996																		
1997																		
1998																		
1999																		
2000																		
2001																		
2002																		13.00
2003																	3.00	2.92
2004																5.00	4.95	4.90
2005															7.00	6.90	6.80	6.70
2006														9.00	8.90	8.79	8.69	8.58
2007													7.00	6.86	6.71	6.57	6.43	6.28
2008											9.00	8.92	8.85	8.77	8.69	8.61	8.54	
2009											10.00	9.90	9.80	9.70	9.60	9.50	9.39	9.29
2010									5.00	4.98	4.95	4.93	4.91	4.88	4.86	4.83	4.81	
2011									10.00	9.90	9.80	9.70	9.60	9.49	9.39	9.29	9.18	9.08
2012							7.00	6.95	6.89	6.84	6.79	6.73	6.68	6.62	6.57	6.51	6.45	
2013							7.00	6.88	6.77	6.65	6.53	6.42	6.30	6.19	6.07	5.96	5.84	5.73
2014							12.45	12.22	12.00	11.77	11.55	11.32	11.10	10.88	10.66	10.44	10.22	10.00
2015					10.64	11.58	11.45	11.32	11.19	11.06	10.93	10.80	10.67	10.54	10.40	10.27	10.14	10.00
2016				6.94	7.76	8.41	8.28	8.15	8.03	7.90	7.77	7.65	7.52	7.39	7.27	7.14	7.01	6.88
2017			6.80	11.17	12.52	13.58	13.39	13.20	13.00	12.81	12.62	12.43	12.24	12.05	11.86	11.67	11.47	11.28
2018		3.09	5.94	9.84	11.11	12.10	11.97	11.85	11.73	11.60	11.48	11.35	11.23	11.10	10.97	10.84	10.72	10.59
2019	0.19	0.63	1.45	2.42	2.75	2.99	2.96	2.93	2.90	2.87	2.84	2.81	2.77	2.74	2.71	2.68	2.65	2.61

Notes: (a) See the ultimate accepted claim counts (shown in Appendix E, Exh bit II, Sheet 3, Column (8)) and the adjusted q(x) (shown in Appendix E, Exhibit III, Sheets 4a to 4g) to estimate the number of claim counts alive by maturity. For the maturity from 3:15 to 63:75, the ultimate accepted claim counts are adjusted for reporting pattern as shown in column (11) of Exhibit X, Sheet 1c.

Accepted Claim Counts (Excluding Deceased Claims) - Expected Remaining Alive by Maturity

**Prospective Open Accepted Claim Counts (a)**

Year of Birth	Maturity (months) 219:231	Maturity (months) 231:243	Maturity (months) 243:255	Maturity (months) 255:267	Maturity (months) 267:279	Maturity (months) 279:291	Maturity (months) 291:303	Maturity (months) 303:315	Maturity (months) 315:327	Maturity (months) 327:339	Maturity (months) 339:351	Maturity (months) 351:363	Maturity (months) 363:375	Maturity (months) 375:387	Maturity (months) 387:399	Maturity (months) 399:411	Maturity (months) 411:423	Maturity (months) 423:435
1989													4.00	3.93	3.86	3.79	3.72	3.66
1990												3.00	2.90	2.81	2.71	2.62	2.53	2.44
1991											4.00	3.95	3.91	3.86	3.82	3.77	3.72	3.67
1992										9.00	8.89	8.78	8.67	8.55	8.44	8.32	8.21	8.09
1993									8.00	7.89	7.78	7.67	7.56	7.45	7.34	7.23	7.12	7.00
1994								4.00	3.96	3.92	3.89	3.85	3.81	3.77	3.73	3.69	3.65	3.61
1995							5.00	4.95	4.90	4.84	4.79	4.74	4.68	4.63	4.57	4.51	4.46	4.40
1996						6.00	5.87	5.75	5.62	5.50	5.37	5.25	5.12	5.00	4.88	4.76	4.63	4.51
1997					8.00	7.92	7.84	7.76	7.68	7.60	7.52	7.44	7.36	7.27	7.19	7.10	7.02	6.93
1998				11.00	10.87	10.74	10.61	10.48	10.35	10.22	10.08	9.95	9.82	9.68	9.54	9.41	9.27	9.13
1999			3.00	2.95	2.90	2.85	2.79	2.74	2.69	2.64	2.59	2.54	2.48	2.43	2.38	2.33	2.28	2.23
2000		5.00	4.88	4.76	4.64	4.52	4.40	4.29	4.17	4.06	3.95	3.83	3.72	3.61	3.50	3.39	3.29	3.18
2001	4.00	3.95	3.91	3.86	3.81	3.77	3.72	3.67	3.62	3.57	3.53	3.48	3.43	3.38	3.33	3.28	3.23	3.18
2002	12.81	12.62	12.44	12.25	12.06	11.87	11.67	11.48	11.29	11.10	10.91	10.71	10.52	10.33	10.13	9.94	9.74	9.55
2003	2.84	2.76	2.68	2.60	2.53	2.45	2.37	2.30	2.23	2.16	2.08	2.01	1.94	1.88	1.81	1.74	1.68	1.61
2004	4.85	4.80	4.75	4.70	4.65	4.60	4.54	4.49	4.44	4.38	4.33	4.28	4.22	4.17	4.11	4.05	4.00	3.94
2005	6.60	6.49	6.39	6.29	6.18	6.08	5.98	5.87	5.77	5.67	5.56	5.46	5.35	5.25	5.14	5.04	4.93	4.83
2006	8.47	8.36	8.25	8.14	8.03	7.92	7.81	7.70	7.58	7.47	7.36	7.24	7.13	7.01	6.90	6.78	6.66	6.55
2007	6.14	6.00	5.86	5.72	5.58	5.44	5.30	5.16	5.02	4.89	4.76	4.62	4.49	4.36	4.23	4.10	3.98	3.85
2008	8.45	8.37	8.29	8.21	8.12	8.04	7.95	7.87	7.78	7.69	7.61	7.52	7.43	7.34	7.25	7.16	7.06	6.97
2009	9.18	9.08	8.97	8.86	8.75	8.64	8.53	8.42	8.31	8.20	8.09	7.98	7.86	7.75	7.63	7.52	7.40	7.28
2010	4.78	4.75	4.73	4.70	4.67	4.64	4.62	4.59	4.56	4.53	4.50	4.47	4.44	4.41	4.38	4.35	4.31	4.28
2011	8.97	8.86	8.75	8.64	8.53	8.42	8.31	8.20	8.09	7.98	7.86	7.75	7.63	7.52	7.40	7.29	7.17	7.05
2012	6.39	6.33	6.27	6.21	6.15	6.09	6.03	5.97	5.91	5.84	5.78	5.72	5.65	5.59	5.52	5.45	5.39	5.32
2013	5.61	5.50	5.38	5.26	5.15	5.03	4.92	4.81	4.69	4.58	4.47	4.36	4.25	4.14	4.03	3.92	3.81	3.70
2014	9.78	9.56	9.34	9.12	8.90	8.68	8.47	8.25	8.04	7.83	7.62	7.42	7.21	7.01	6.81	6.60	6.40	6.21
2015	9.87	9.73	9.59	9.45	9.31	9.17	9.03	8.89	8.75	8.61	8.47	8.33	8.19	8.04	7.90	7.76	7.61	7.47
2016	6.76	6.63	6.50	6.37	6.24	6.11	5.99	5.86	5.73	5.61	5.48	5.36	5.23	5.11	4.98	4.86	4.73	4.61
2017	11.08	10.89	10.69	10.50	10.30	10.11	9.91	9.71	9.52	9.33	9.13	8.94	8.74	8.55	8.36	8.16	7.97	7.78
2018	10.45	10.32	10.19	10.05	9.92	9.78	9.64	9.51	9.37	9.23	9.09	8.95	8.81	8.67	8.53	8.39	8.25	8.10
2019	2.58	2.55	2.51	2.48	2.45	2.41	2.38	2.34	2.31	2.27	2.24	2.20	2.17	2.13	2.10	2.06	2.03	1.99

Notes: (a) See the ultimate accepted claim counts (shown in Appendix E, Exhibit II, Sheet 3, Column (8)) and the adjusted q(x) (shown in Appendix E, Exhibit III, Sheets 4a to 4g) to estimate the number of claim counts alive by maturity. For the maturity from 3:15 to 63:75, the ultimate accepted claim counts are adjusted for reporting pattern as shown in column (11) of Exhibit X, Sheet 1c.

Accepted Claim Counts (Excluding Deceased Claims) - Expected Remaining Alive by Maturity

**Prospective Open Accepted Claim Counts (a)**

Year of Birth	Maturity (months) 435:447	Maturity (months) 447:459	Maturity (months) 459:471	Maturity (months) 471:483	Maturity (months) 483:495	Maturity (months) 495:507	Maturity (months) 507:519	Maturity (months) 519:531	Maturity (months) 531:543	Maturity (months) 543:555	Maturity (months) 555:567	Maturity (months) 567:579	Maturity (months) 579:591	Maturity (months) 591:603	Maturity (months) 603:615	Maturity (months) 615:627	Maturity (months) 627:639	Maturity (months) 639:651
1989	3.59	3.52	3.45	3.37	3.30	3.23	3.16	3.09	3.02	2.94	2.87	2.80	2.72	2.65	2.57	2.50	2.42	2.35
1990	2.35	2.26	2.17	2.09	2.00	1.92	1.84	1.76	1.68	1.60	1.52	1.45	1.37	1.30	1.23	1.16	1.09	1.03
1991	3.62	3.57	3.52	3.47	3.42	3.37	3.32	3.27	3.21	3.16	3.11	3.05	2.99	2.94	2.88	2.82	2.76	2.70
1992	7.97	7.86	7.74	7.61	7.49	7.37	7.24	7.12	6.99	6.86	6.73	6.60	6.47	6.33	6.20	6.06	5.92	5.78
1993	6.89	6.77	6.66	6.54	6.42	6.30	6.18	6.06	5.94	5.82	5.69	5.57	5.44	5.32	5.19	5.06	4.92	4.79
1994	3.56	3.52	3.48	3.44	3.39	3.35	3.30	3.26	3.21	3.16	3.12	3.07	3.02	2.97	2.92	2.87	2.81	2.76
1995	4.34	4.29	4.23	4.17	4.11	4.05	3.99	3.92	3.86	3.80	3.73	3.67	3.60	3.53	3.46	3.39	3.32	3.25
1996	4.39	4.27	4.15	4.03	3.91	3.79	3.67	3.55	3.44	3.32	3.20	3.09	2.97	2.86	2.75	2.63	2.52	2.41
1997	6.84	6.75	6.66	6.57	6.48	6.39	6.29	6.20	6.10	6.00	5.91	5.81	5.70	5.60	5.49	5.39	5.28	5.17
1998	8.99	8.84	8.70	8.56	8.41	8.26	8.11	7.97	7.81	7.66	7.51	7.35	7.20	7.04	6.88	6.71	6.55	6.38
1999	2.18	2.12	2.07	2.02	1.97	1.92	1.87	1.81	1.76	1.71	1.66	1.61	1.56	1.51	1.45	1.40	1.35	1.30
2000	3.07	2.97	2.87	2.76	2.66	2.56	2.47	2.37	2.27	2.18	2.08	1.99	1.90	1.81	1.72	1.63	1.55	1.46
2001	3.12	3.07	3.02	2.97	2.92	2.86	2.81	2.75	2.70	2.64	2.59	2.53	2.48	2.42	2.36	2.30	2.24	2.18
2002	9.35	9.15	8.96	8.76	8.56	8.36	8.16	7.96	7.76	7.56	7.36	7.16	6.95	6.75	6.54	6.34	6.13	5.92
2003	1.55	1.49	1.43	1.37	1.31	1.25	1.19	1.14	1.08	1.03	0.98	0.93	0.88	0.83	0.78	0.73	0.69	0.64
2004	3.88	3.82	3.77	3.71	3.65	3.59	3.53	3.47	3.40	3.34	3.28	3.21	3.15	3.08	3.02	2.95	2.88	2.81
2005	4.72	4.62	4.51	4.41	4.30	4.20	4.09	3.98	3.88	3.77	3.66	3.56	3.45	3.34	3.23	3.13	3.02	2.91
2006	6.43	6.31	6.19	6.07	5.95	5.83	5.71	5.59	5.46	5.34	5.21	5.09	4.96	4.83	4.70	4.57	4.44	4.31
2007	3.72	3.60	3.48	3.36	3.24	3.12	3.00	2.88	2.77	2.65	2.54	2.43	2.32	2.21	2.11	2.00	1.90	1.80
2008	6.88	6.78	6.68	6.59	6.49	6.39	6.29	6.19	6.08	5.98	5.88	5.77	5.66	5.55	5.44	5.33	5.21	5.10
2009	7.16	7.04	6.92	6.80	6.68	6.56	6.44	6.31	6.19	6.06	5.93	5.80	5.67	5.54	5.41	5.27	5.13	5.00
2010	4.25	4.22	4.18	4.15	4.11	4.08	4.04	4.00	3.96	3.93	3.89	3.85	3.80	3.76	3.72	3.68	3.63	3.58
2011	6.93	6.81	6.69	6.57	6.45	6.33	6.20	6.08	5.95	5.83	5.70	5.57	5.44	5.31	5.18	5.04	4.91	4.77
2012	5.25	5.18	5.11	5.04	4.97	4.90	4.82	4.75	4.67	4.60	4.52	4.44	4.36	4.28	4.20	4.12	4.03	3.95
2013	3.60	3.49	3.39	3.28	3.18	3.07	2.97	2.87	2.77	2.66	2.56	2.46	2.37	2.27	2.17	2.07	1.98	1.88
2014	6.01	5.82	5.62	5.43	5.24	5.06	4.87	4.69	4.51	4.33	4.15	3.97	3.80	3.63	3.46	3.29	3.12	2.96
2015	7.32	7.17	7.03	6.88	6.73	6.58	6.44	6.29	6.14	5.99	5.83	5.68	5.53	5.37	5.22	5.06	4.91	4.75
2016	4.49	4.36	4.24	4.12	4.00	3.88	3.76	3.64	3.52	3.40	3.29	3.17	3.05	2.94	2.82	2.70	2.59	2.47
2017	7.59	7.39	7.20	7.01	6.82	6.63	6.44	6.25	6.06	5.87	5.68	5.50	5.31	5.12	4.93	4.74	4.56	4.37
2018	7.96	7.81	7.67	7.52	7.37	7.23	7.08	6.93	6.77	6.62	6.47	6.31	6.16	6.00	5.84	5.68	5.52	5.36
2019	1.95	1.92	1.88	1.84	1.81	1.77	1.73	1.69	1.66	1.62	1.58	1.54	1.50	1.46	1.42	1.38	1.34	1.30

Notes: (a) See the ultimate accepted claim counts (shown in Appendix E, Exhibit II, Sheet 3, Column (8)) and the adjusted q(x) (shown in Appendix E, Exhibit III, Sheets 4a to 4g) to estimate the number of claim counts alive by maturity. For the maturity from 3:15 to 63:75, the ultimate accepted claim counts are adjusted for reporting pattern as shown in column (11) of Exhibit X, Sheet 1c.

Accepted Claim Counts (Excluding Deceased Claims) - Expected Remaining Alive by Maturity

**Prospective Open Accepted Claim Counts (a)**

Year of Birth	Maturity (months) 651:663	Maturity (months) 663:675	Maturity (months) 675:687	Maturity (months) 687:699	Maturity (months) 699:711	Maturity (months) 711:723	Maturity (months) 723:735	Maturity (months) 735:747	Maturity (months) 747:759	Maturity (months) 759:771	Maturity (months) 771:783	Maturity (months) 783:795	Maturity (months) 795:807	Maturity (months) 807:819	Maturity (months) 819:831	Maturity (months) 831:843	Maturity (months) 843:855	Maturity (months) 855:867
1989	2.27	2.19	2.11	2.04	1.96	1.88	1.80	1.72	1.64	1.56	1.48	1.40	1.32	1.24	1.17	1.09	1.01	0.94
1990	0.96	0.90	0.84	0.78	0.72	0.66	0.61	0.56	0.51	0.46	0.42	0.37	0.33	0.29	0.26	0.23	0.20	0.17
1991	2.64	2.58	2.51	2.45	2.38	2.31	2.25	2.18	2.11	2.04	1.96	1.89	1.82	1.74	1.67	1.59	1.51	1.44
1992	5.63	5.48	5.34	5.18	5.03	4.88	4.72	4.56	4.40	4.24	4.07	3.91	3.74	3.57	3.40	3.23	3.06	2.88
1993	4.66	4.52	4.38	4.24	4.10	3.96	3.82	3.67	3.53	3.38	3.23	3.08	2.94	2.79	2.64	2.49	2.34	2.19
1994	2.70	2.65	2.59	2.53	2.47	2.41	2.35	2.29	2.22	2.16	2.09	2.02	1.96	1.88	1.81	1.74	1.67	1.59
1995	3.18	3.10	3.03	2.95	2.87	2.79	2.71	2.63	2.55	2.46	2.38	2.29	2.20	2.11	2.02	1.93	1.84	1.75
1996	2.30	2.19	2.08	1.97	1.86	1.75	1.65	1.55	1.45	1.35	1.25	1.16	1.06	0.98	0.89	0.81	0.73	0.65
1997	5.05	4.94	4.82	4.70	4.58	4.46	4.34	4.21	4.08	3.95	3.81	3.68	3.54	3.40	3.26	3.12	2.97	2.83
1998	6.21	6.04	5.86	5.69	5.51	5.33	5.15	4.96	4.78	4.59	4.40	4.21	4.02	3.83	3.63	3.44	3.24	3.05
1999	1.25	1.20	1.14	1.09	1.04	0.99	0.94	0.89	0.84	0.79	0.74	0.69	0.65	0.60	0.55	0.51	0.47	0.42
2000	1.38	1.30	1.22	1.14	1.06	0.99	0.92	0.85	0.78	0.71	0.65	0.59	0.53	0.48	0.42	0.38	0.33	0.29
2001	2.12	2.06	2.00	1.94	1.87	1.81	1.74	1.68	1.61	1.55	1.48	1.41	1.35	1.28	1.21	1.14	1.08	1.01
2002	5.71	5.50	5.29	5.08	4.87	4.65	4.44	4.23	4.02	3.81	3.60	3.39	3.19	2.98	2.78	2.59	2.39	2.20
2003	0.60	0.56	0.52	0.48	0.44	0.40	0.37	0.33	0.30	0.27	0.24	0.22	0.19	0.17	0.15	0.13	0.11	0.09
2004	2.74	2.67	2.60	2.52	2.45	2.37	2.30	2.22	2.14	2.06	1.98	1.90	1.82	1.74	1.65	1.57	1.49	1.40
2005	2.80	2.69	2.58	2.47	2.36	2.25	2.15	2.04	1.93	1.82	1.72	1.61	1.51	1.41	1.31	1.21	1.11	1.02
2006	4.18	4.04	3.91	3.77	3.63	3.49	3.35	3.21	3.07	2.93	2.79	2.65	2.51	2.37	2.23	2.09	1.95	1.82
2007	1.70	1.60	1.50	1.41	1.31	1.22	1.14	1.05	0.97	0.89	0.81	0.74	0.67	0.60	0.53	0.47	0.42	0.37
2008	4.98	4.86	4.73	4.61	4.48	4.35	4.22	4.09	3.96	3.82	3.68	3.54	3.40	3.26	3.11	2.97	2.82	2.67
2009	4.86	4.72	4.57	4.43	4.28	4.14	3.99	3.84	3.69	3.53	3.38	3.23	3.07	2.92	2.76	2.61	2.45	2.30
2010	3.54	3.49	3.44	3.39	3.33	3.28	3.22	3.16	3.11	3.04	2.98	2.92	2.85	2.78	2.71	2.64	2.56	2.49
2011	4.63	4.49	4.35	4.21	4.06	3.92	3.77	3.63	3.48	3.33	3.18	3.03	2.88	2.73	2.58	2.43	2.28	2.13
2012	3.86	3.77	3.68	3.59	3.49	3.40	3.30	3.20	3.10	3.00	2.90	2.79	2.69	2.58	2.47	2.36	2.25	2.14
2013	1.79	1.70	1.61	1.52	1.43	1.34	1.25	1.17	1.09	1.01	0.93	0.86	0.78	0.71	0.64	0.58	0.52	0.46
2014	2.80	2.64	2.49	2.33	2.18	2.04	1.90	1.76	1.62	1.49	1.37	1.25	1.13	1.02	0.91	0.81	0.72	0.63
2015	4.59	4.43	4.27	4.11	3.94	3.78	3.62	3.46	3.29	3.13	2.97	2.80	2.64	2.48	2.32	2.17	2.01	1.86
2016	2.36	2.25	2.14	2.03	1.92	1.81	1.70	1.60	1.49	1.39	1.29	1.20	1.10	1.01	0.92	0.84	0.76	0.68
2017	4.19	4.00	3.82	3.63	3.45	3.27	3.09	2.92	2.74	2.57	2.40	2.23	2.07	1.91	1.76	1.61	1.46	1.32
2018	5.20	5.03	4.86	4.69	4.53	4.35	4.18	4.01	3.84	3.66	3.49	3.32	3.14	2.97	2.79	2.62	2.45	2.28
2019	1.26	1.22	1.17	1.13	1.09	1.05	1.00	0.96	0.92	0.87	0.83	0.79	0.74	0.70	0.66	0.61	0.57	0.53

Notes: (a) See the ultimate accepted claim counts (shown in Appendix E, Exhibit II, Sheet 3, Column (8)) and the adjusted q(x) (shown in Appendix E, Exhibit III, Sheets 4a to 4g) to estimate the number of claim counts alive by maturity. For the maturity from 3:15 to 63:75, the ultimate accepted claim counts are adjusted for reporting pattern as shown in column (11) of Exhibit X, Sheet 1c.



Accepted Claim Counts (Excluding Deceased Claims) - Expected Remaining Alive by Maturity

**Prospective Open Accepted Claim Counts (a)**

Year of Birth	Maturity (months) 867:879	Maturity (months) 879:891	Maturity (months) 891:903	Maturity (months) 903:915	Maturity (months) 915:927	Maturity (months) 927:939	Maturity (months) 939:951	Maturity (months) 951:963	Maturity (months) 963:975	Maturity (months) 975:987	Maturity (months) 987:999	Maturity (months) 999:1011	Maturity (months) 1011:1023	Maturity (months) 1023:1035	Maturity (months) 1035:1047	Maturity (months) 1047:1059	Maturity (months) 1059:1071	Maturity (months) 1071:1083
1989	0.87	0.80	0.73	0.66	0.59	0.53	0.47	0.42	0.36	0.31	0.27	0.23	0.19	0.15	0.12	0.10	0.08	0.06
1990	0.14	0.12	0.10	0.08	0.07	0.05	0.04	0.03	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
1991	1.36	1.28	1.20	1.12	1.05	0.97	0.90	0.82	0.75	0.68	0.61	0.54	0.48	0.42	0.36	0.31	0.26	0.22
1992	2.71	2.54	2.37	2.21	2.04	1.88	1.72	1.56	1.41	1.26	1.12	0.99	0.86	0.74	0.63	0.53	0.44	0.36
1993	2.05	1.90	1.76	1.62	1.48	1.35	1.22	1.10	0.98	0.86	0.75	0.65	0.56	0.47	0.39	0.32	0.26	0.21
1994	1.52	1.44	1.37	1.29	1.21	1.13	1.06	0.98	0.91	0.83	0.76	0.69	0.62	0.55	0.48	0.42	0.36	0.31
1995	1.65	1.56	1.47	1.37	1.28	1.19	1.10	1.01	0.92	0.83	0.75	0.67	0.59	0.52	0.45	0.39	0.33	0.27
1996	0.58	0.51	0.45	0.39	0.34	0.29	0.24	0.20	0.17	0.13	0.11	0.08	0.06	0.05	0.03	0.02	0.02	0.01
1997	2.68	2.53	2.39	2.24	2.09	1.95	1.80	1.66	1.52	1.38	1.25	1.12	0.99	0.87	0.76	0.65	0.56	0.47
1998	2.86	2.67	2.48	2.29	2.11	1.93	1.76	1.59	1.42	1.27	1.12	0.98	0.84	0.72	0.61	0.50	0.41	0.33
1999	0.38	0.35	0.31	0.28	0.24	0.21	0.18	0.16	0.13	0.11	0.09	0.07	0.06	0.05	0.03	0.03	0.02	0.01
2000	0.25	0.21	0.18	0.15	0.13	0.10	0.08	0.07	0.05	0.04	0.03	0.02	0.02	0.01	0.01	0.00	0.00	0.00
2001	0.94	0.88	0.81	0.75	0.69	0.63	0.57	0.51	0.45	0.40	0.35	0.31	0.26	0.22	0.19	0.15	0.12	0.10
2002	2.02	1.84	1.67	1.50	1.34	1.19	1.05	0.91	0.79	0.67	0.57	0.47	0.39	0.31	0.25	0.19	0.14	0.11
2003	0.08	0.06	0.05	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	1.32	1.24	1.15	1.07	0.99	0.91	0.83	0.76	0.68	0.61	0.54	0.48	0.42	0.36	0.31	0.26	0.21	0.17
2005	0.93	0.84	0.76	0.68	0.60	0.53	0.46	0.40	0.34	0.29	0.24	0.20	0.16	0.13	0.10	0.07	0.06	0.04
2006	1.69	1.55	1.43	1.30	1.18	1.06	0.95	0.84	0.74	0.65	0.56	0.48	0.40	0.33	0.27	0.22	0.17	0.13
2007	0.32	0.27	0.23	0.20	0.16	0.13	0.11	0.09	0.07	0.05	0.04	0.03	0.02	0.01	0.01	0.01	0.00	0.00
2008	2.53	2.38	2.23	2.09	1.94	1.80	1.65	1.51	1.38	1.24	1.12	0.99	0.87	0.76	0.66	0.56	0.47	0.39
2009	2.15	2.00	1.85	1.70	1.56	1.42	1.29	1.15	1.03	0.91	0.80	0.69	0.59	0.50	0.42	0.34	0.28	0.22
2010	2.41	2.33	2.25	2.16	2.08	1.99	1.90	1.81	1.71	1.62	1.52	1.43	1.33	1.23	1.14	1.04	0.95	0.85
2011	1.98	1.84	1.70	1.56	1.42	1.29	1.16	1.04	0.92	0.81	0.71	0.61	0.52	0.44	0.36	0.30	0.24	0.19
2012	2.03	1.91	1.80	1.69	1.58	1.46	1.35	1.24	1.14	1.03	0.93	0.83	0.74	0.65	0.56	0.48	0.41	0.34
2013	0.41	0.36	0.31	0.27	0.23	0.19	0.16	0.13	0.10	0.08	0.06	0.05	0.04	0.03	0.02	0.01	0.01	0.01
2014	0.55	0.48	0.41	0.34	0.29	0.24	0.19	0.16	0.12	0.10	0.07	0.05	0.04	0.03	0.02	0.01	0.01	0.00
2015	1.71	1.57	1.43	1.30	1.17	1.04	0.92	0.81	0.70	0.61	0.52	0.43	0.36	0.29	0.23	0.18	0.14	0.11
2016	0.61	0.54	0.47	0.41	0.35	0.30	0.25	0.21	0.17	0.14	0.11	0.09	0.07	0.05	0.04	0.03	0.02	0.01
2017	1.19	1.06	0.94	0.83	0.72	0.63	0.54	0.45	0.38	0.31	0.25	0.20	0.16	0.12	0.09	0.07	0.05	0.03
2018	2.12	1.96	1.80	1.64	1.49	1.34	1.20	1.07	0.94	0.82	0.71	0.61	0.51	0.43	0.35	0.28	0.22	0.17
2019	0.49	0.45	0.41	0.37	0.34	0.30	0.27	0.24	0.21	0.18	0.15	0.13	0.11	0.09	0.07	0.06	0.04	0.03

Notes: (a) See the ultimate accepted claim counts (shown in Appendix E, Exhibit II, Sheet 3, Column (8)) and the adjusted q(x) (shown in Appendix E, Exhibit III, Sheets 4a to 4g) to estimate the number of claim counts alive by maturity. For the maturity from 3:15 to 63:75, the ultimate accepted claim counts are adjusted for reporting pattern as shown in column (11) of Exhibit X, Sheet 1c.



Accepted Claim Counts (Excluding Deceased Claims) - Expected Remaining Alive by Maturity

**Prospective Open Accepted Claim Counts (a)**

Year of Birth	Maturity (months) 1083:1095	Maturity (months) 1095:1107	Maturity (months) 1107:1119	Maturity (months) 1119:1131	Maturity (months) 1131:1143	Maturity (months) 1143:1155	Maturity (months) 1155:1167	Maturity (months) 1167:1179	Maturity (months) 1179:1191	Maturity (months) 1191:1203	Maturity (months) 1203:1215	Maturity (months) 1215:1227	Maturity (months) 1227:1239	Maturity (months) 1239:1251	Maturity (months) 1251:1263	Maturity (months) 1263:1275	Maturity (months) 1275:1287	Maturity (months) 1287:1299
1989	0.04	0.03	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	-
1991	0.18	0.14	0.11	0.09	0.07	0.05	0.03	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	0.29	0.22	0.17	0.13	0.09	0.07	0.05	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993	0.16	0.12	0.09	0.06	0.04	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994	0.26	0.22	0.18	0.14	0.11	0.08	0.06	0.05	0.03	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00
1995	0.22	0.18	0.14	0.11	0.08	0.06	0.04	0.03	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
1996	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	0.39	0.31	0.25	0.19	0.15	0.11	0.08	0.06	0.04	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00
1998	0.26	0.20	0.15	0.11	0.08	0.05	0.04	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-
2001	0.08	0.06	0.04	0.03	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	0.08	0.05	0.04	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-	-	-	-
2004	0.14	0.11	0.08	0.06	0.05	0.03	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	0.10	0.07	0.05	0.04	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-	-
2008	0.32	0.25	0.20	0.15	0.11	0.08	0.06	0.04	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
2009	0.17	0.13	0.10	0.07	0.05	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	0.76	0.67	0.59	0.51	0.44	0.37	0.31	0.25	0.20	0.16	0.13	0.10	0.07	0.06	0.04	0.03	0.02	0.02
2011	0.14	0.11	0.08	0.06	0.04	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	0.28	0.23	0.18	0.14	0.11	0.08	0.06	0.04	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	0.08	0.06	0.04	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	0.13	0.10	0.07	0.05	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Notes: (a) See the ultimate accepted claim counts (shown in Appendix E, Exhibit II, Sheet 3, Column (8)) and the adjusted q(x) (shown in Appendix E, Exhibit III, Sheets 4a to 4g) to estimate the number of claim counts alive by maturity. For the maturity from 3:15 to 63:75, the ultimate accepted claim counts are adjusted for reporting pattern as shown in column (11) of Exhibit X, Sheet 1c.

Accepted Claim Counts (Excluding Deceased Claims) - Expected Remaining Alive by Maturity

**Prospective Open Accepted Claim Counts (a)**

Year of Birth	Maturity (months) 1299:1311	Maturity (months) 1311:1323	Maturity (months) 1323:1335	Maturity (months) 1335:1347	Maturity (months) 1347:1359	Maturity (months) 1359:1371	Maturity (months) 1371:1383	Maturity (months) 1383:1395	Maturity (months) 1395:1407	Maturity (months) 1407:1419	Maturity (months) 1419:1431	Maturity (months) 1431:1443	Maturity (months) 1443:1455	Maturity (months) 1455:1467	Maturity (months) 1467:1479
1989	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
1990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1991	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
1992	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
1993	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
1994	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
1995	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
1996	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
1997	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
1998	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
1999	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
2002	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
2003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
2005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
2006	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
2007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
2009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
2010	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
2016	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
2017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-

Notes: (a) See the ultimate accepted claim counts (shown in Appendix E, Exhibit II, Sheet 3, Column (8)) and the adjusted q(x) (shown in Appendix E, Exhibit III, Sheets 4a to 4g) to estimate the number of claim counts alive by maturity. For the maturity from 3:15 to 63:75, the ultimate accepted claim counts are adjusted for reporting pattern as shown in column (11) of Exhibit X, Sheet 1c.

Accepted Claim Counts (Excluding Deceased Claims) - Expected Remaining Alive by Maturity

**Adjusted q(x) (a)**

Year of Birth	Maturity (months) 3:15	Maturity (months) 15:27	Maturity (months) 27:39	Maturity (months) 39:51	Maturity (months) 51:63	Maturity (months) 63:75	Maturity (months) 75:87	Maturity (months) 87:99	Maturity (months) 99:111	Maturity (months) 111:123	Maturity (months) 123:135	Maturity (months) 135:147	Maturity (months) 147:159	Maturity (months) 159:171	Maturity (months) 171:183	Maturity (months) 183:195	Maturity (months) 195:207	Maturity (months) 207:219
1989																		
1990																		
1991																		
1992																		
1993																		
1994																		
1995																		
1996																		
1997																		
1998																		
1999																		
2000																		
2001																		
2002																		0.0144
2003																	0.0268	0.0274
2004																0.0098	0.0100	0.0102
2005															0.0143	0.0146	0.0149	0.0152
2006														0.0116	0.0118	0.0121	0.0123	0.0126
2007													0.0205	0.0209	0.0213	0.0217	0.0222	0.0227
2008											0.0084	0.0085	0.0087	0.0089	0.0091	0.0093	0.0095	
2009										0.0099	0.0101	0.0102	0.0104	0.0106	0.0109	0.0111	0.0114	
2010									0.0047	0.0047	0.0048	0.0049	0.0050	0.0051	0.0052	0.0053	0.0054	
2011									0.0100	0.0102	0.0103	0.0105	0.0106	0.0108	0.0110	0.0113	0.0115	0.0118
2012							0.0076	0.0077	0.0078	0.0079	0.0080	0.0081	0.0083	0.0084	0.0086	0.0088	0.0090	
2013						0.0168	0.0170	0.0172	0.0175	0.0177	0.0179	0.0182	0.0185	0.0189	0.0193	0.0198	0.0202	
2014						0.0181	0.0183	0.0186	0.0188	0.0191	0.0193	0.0196	0.0199	0.0203	0.0207	0.0211	0.0216	0.0221
2015					0.0111	0.0112	0.0113	0.0115	0.0116	0.0118	0.0119	0.0121	0.0123	0.0125	0.0128	0.0130	0.0133	0.0136
2016				0.0274	0.0151	0.0153	0.0155	0.0157	0.0159	0.0161	0.0163	0.0165	0.0168	0.0171	0.0174	0.0178	0.0182	0.0186
2017			0.0342	0.0254	0.0140	0.0142	0.0143	0.0145	0.0147	0.0149	0.0151	0.0153	0.0156	0.0159	0.0162	0.0165	0.0169	0.0173
2018		0.1823	0.0247	0.0183	0.0101	0.0102	0.0103	0.0105	0.0106	0.0108	0.0109	0.0111	0.0112	0.0114	0.0117	0.0119	0.0122	0.0125
2019	0.1823	0.0247	0.0183	0.0101	0.0102	0.0103	0.0105	0.0106	0.0108	0.0109	0.0111	0.0112	0.0114	0.0117	0.0119	0.0122	0.0125	0.0127

Notes: (a) See Appendix E, Exh bit V, Sheets 1a, 1b, 2a, and 2b.

Accepted Claim Counts (Excluding Deceased Claims) - Expected Remaining Alive by Maturity

Adjusted q(x) (a)

Year of Birth	Maturity (months) 219:231	Maturity (months) 231:243	Maturity (months) 243:255	Maturity (months) 255:267	Maturity (months) 267:279	Maturity (months) 279:291	Maturity (months) 291:303	Maturity (months) 303:315	Maturity (months) 315:327	Maturity (months) 327:339	Maturity (months) 339:351	Maturity (months) 351:363	Maturity (months) 363:375	Maturity (months) 375:387	Maturity (months) 387:399	Maturity (months) 399:411	Maturity (months) 411:423	Maturity (months) 423:435
1989													0.0171	0.0175	0.0178	0.0183	0.0187	0.0191
1990												0.0322	0.0329	0.0336	0.0344	0.0352	0.0360	0.0368
1991											0.0114	0.0116	0.0119	0.0122	0.0124	0.0127	0.0130	0.0133
1992										0.0123	0.0125	0.0128	0.0130	0.0133	0.0136	0.0139	0.0142	0.0146
1993									0.0135	0.0138	0.0140	0.0143	0.0146	0.0150	0.0153	0.0157	0.0160	0.0164
1994							0.0094	0.0096	0.0097	0.0099	0.0101	0.0104	0.0104	0.0106	0.0108	0.0111	0.0113	0.0116
1995							0.0104	0.0106	0.0108	0.0110	0.0112	0.0115	0.0117	0.0120	0.0122	0.0125	0.0128	0.0131
1996						0.0211	0.0215	0.0218	0.0222	0.0226	0.0231	0.0236	0.0241	0.0246	0.0252	0.0257	0.0263	0.0269
1997					0.0098	0.0099	0.0101	0.0103	0.0105	0.0107	0.0109	0.0111	0.0114	0.0116	0.0119	0.0121	0.0124	0.0127
1998				0.0117	0.0119	0.0121	0.0123	0.0125	0.0128	0.0130	0.0133	0.0135	0.0138	0.0141	0.0145	0.0148	0.0151	0.0155
1999			0.0172	0.0175	0.0178	0.0181	0.0185	0.0188	0.0191	0.0195	0.0199	0.0203	0.0207	0.0212	0.0217	0.0221	0.0226	0.0232
2000		0.0241	0.0246	0.0250	0.0255	0.0260	0.0264	0.0269	0.0274	0.0279	0.0284	0.0290	0.0297	0.0303	0.0310	0.0317	0.0324	0.0332
2001	0.0115	0.0118	0.0120	0.0122	0.0124	0.0127	0.0129	0.0131	0.0134	0.0136	0.0139	0.0142	0.0145	0.0148	0.0151	0.0155	0.0158	0.0162
2002	0.0147	0.0150	0.0152	0.0155	0.0158	0.0161	0.0164	0.0167	0.0170	0.0173	0.0176	0.0180	0.0184	0.0188	0.0192	0.0197	0.0201	0.0206
2003	0.0280	0.0285	0.0291	0.0296	0.0301	0.0307	0.0313	0.0318	0.0324	0.0330	0.0336	0.0343	0.0351	0.0359	0.0367	0.0375	0.0383	0.0392
2004	0.0104	0.0106	0.0108	0.0110	0.0112	0.0114	0.0116	0.0118	0.0121	0.0123	0.0125	0.0128	0.0131	0.0133	0.0136	0.0139	0.0143	0.0146
2005	0.0156	0.0159	0.0161	0.0164	0.0168	0.0171	0.0174	0.0177	0.0180	0.0183	0.0187	0.0191	0.0195	0.0199	0.0204	0.0208	0.0213	0.0218
2006	0.0129	0.0131	0.0134	0.0136	0.0139	0.0141	0.0144	0.0146	0.0149	0.0152	0.0155	0.0158	0.0161	0.0165	0.0168	0.0172	0.0176	0.0180
2007	0.0232	0.0237	0.0241	0.0245	0.0250	0.0255	0.0259	0.0264	0.0269	0.0274	0.0279	0.0285	0.0291	0.0297	0.0304	0.0311	0.0318	0.0325
2008	0.0097	0.0099	0.0100	0.0102	0.0104	0.0106	0.0108	0.0110	0.0112	0.0114	0.0116	0.0119	0.0121	0.0124	0.0127	0.0129	0.0132	0.0135
2009	0.0116	0.0118	0.0120	0.0123	0.0125	0.0127	0.0130	0.0132	0.0134	0.0137	0.0139	0.0142	0.0145	0.0149	0.0152	0.0155	0.0159	0.0163
2010	0.0055	0.0056	0.0057	0.0058	0.0059	0.0061	0.0062	0.0063	0.0064	0.0065	0.0066	0.0068	0.0069	0.0071	0.0072	0.0074	0.0076	0.0077
2011	0.0120	0.0123	0.0125	0.0127	0.0130	0.0132	0.0134	0.0137	0.0139	0.0142	0.0145	0.0148	0.0151	0.0154	0.0158	0.0161	0.0165	0.0169
2012	0.0092	0.0094	0.0096	0.0097	0.0099	0.0101	0.0103	0.0105	0.0107	0.0109	0.0111	0.0113	0.0115	0.0118	0.0121	0.0123	0.0126	0.0129
2013	0.0206	0.0210	0.0214	0.0218	0.0222	0.0226	0.0231	0.0235	0.0239	0.0243	0.0248	0.0253	0.0259	0.0264	0.0270	0.0276	0.0283	0.0289
2014	0.0226	0.0230	0.0234	0.0239	0.0243	0.0248	0.0252	0.0257	0.0261	0.0266	0.0271	0.0277	0.0283	0.0289	0.0296	0.0302	0.0309	0.0316
2015	0.0139	0.0142	0.0145	0.0147	0.0150	0.0153	0.0155	0.0158	0.0161	0.0164	0.0167	0.0171	0.0174	0.0178	0.0182	0.0186	0.0191	0.0195
2016	0.0190	0.0194	0.0198	0.0201	0.0205	0.0209	0.0212	0.0216	0.0220	0.0224	0.0229	0.0233	0.0238	0.0244	0.0249	0.0255	0.0261	0.0267
2017	0.0176	0.0180	0.0183	0.0187	0.0190	0.0194	0.0197	0.0201	0.0204	0.0208	0.0212	0.0217	0.0221	0.0226	0.0231	0.0236	0.0242	0.0247
2018	0.0127	0.0130	0.0132	0.0134	0.0137	0.0140	0.0142	0.0145	0.0147	0.0150	0.0153	0.0156	0.0159	0.0163	0.0167	0.0170	0.0174	0.0178
2019	0.0130	0.0132	0.0134	0.0137	0.0140	0.0142	0.0145	0.0147	0.0150	0.0153	0.0156	0.0159	0.0163	0.0167	0.0170	0.0174	0.0178	0.0182

Notes: (a) See Appendix E, Exhibit V, Sheets 1a, 1b, 2a, and 2b.

Accepted Claim Counts (Excluding Deceased Claims) - Expected Remaining Alive by Maturity

Adjusted q(x) (a)

Year of Birth	Maturity (months) 435:447	Maturity (months) 447:459	Maturity (months) 459:471	Maturity (months) 471:483	Maturity (months) 483:495	Maturity (months) 495:507	Maturity (months) 507:519	Maturity (months) 519:531	Maturity (months) 531:543	Maturity (months) 543:555	Maturity (months) 555:567	Maturity (months) 567:579	Maturity (months) 579:591	Maturity (months) 591:603	Maturity (months) 603:615	Maturity (months) 615:627	Maturity (months) 627:639	Maturity (months) 639:651
1989	0.0195	0.0200	0.0205	0.0210	0.0216	0.0221	0.0227	0.0234	0.0241	0.0248	0.0256	0.0264	0.0273	0.0283	0.0293	0.0304	0.0316	0.0328
1990	0.0377	0.0386	0.0395	0.0405	0.0415	0.0426	0.0438	0.0450	0.0464	0.0478	0.0493	0.0509	0.0526	0.0545	0.0564	0.0586	0.0608	0.0632
1991	0.0136	0.0139	0.0143	0.0146	0.0150	0.0154	0.0158	0.0163	0.0167	0.0173	0.0178	0.0184	0.0190	0.0197	0.0204	0.0212	0.0220	0.0228
1992	0.0149	0.0153	0.0157	0.0160	0.0165	0.0169	0.0173	0.0178	0.0184	0.0189	0.0195	0.0202	0.0208	0.0216	0.0224	0.0232	0.0241	0.0250
1993	0.0168	0.0172	0.0176	0.0180	0.0185	0.0190	0.0195	0.0200	0.0206	0.0213	0.0219	0.0227	0.0234	0.0242	0.0251	0.0261	0.0271	0.0282
1994	0.0119	0.0122	0.0125	0.0128	0.0131	0.0134	0.0138	0.0142	0.0146	0.0150	0.0155	0.0160	0.0166	0.0172	0.0178	0.0185	0.0192	0.0199
1995	0.0134	0.0137	0.0141	0.0144	0.0148	0.0152	0.0156	0.0160	0.0165	0.0170	0.0175	0.0181	0.0187	0.0194	0.0201	0.0208	0.0216	0.0225
1996	0.0276	0.0282	0.0289	0.0296	0.0304	0.0312	0.0320	0.0330	0.0339	0.0350	0.0361	0.0372	0.0385	0.0398	0.0413	0.0429	0.0445	0.0463
1997	0.0130	0.0133	0.0136	0.0140	0.0143	0.0147	0.0151	0.0155	0.0160	0.0165	0.0170	0.0176	0.0182	0.0188	0.0195	0.0202	0.0210	0.0218
1998	0.0158	0.0162	0.0166	0.0170	0.0175	0.0179	0.0184	0.0189	0.0195	0.0201	0.0207	0.0214	0.0221	0.0229	0.0237	0.0246	0.0256	0.0266
1999	0.0237	0.0243	0.0249	0.0255	0.0262	0.0268	0.0276	0.0284	0.0292	0.0301	0.0310	0.0320	0.0331	0.0343	0.0355	0.0369	0.0383	0.0398
2000	0.0339	0.0348	0.0356	0.0365	0.0374	0.0384	0.0395	0.0406	0.0418	0.0430	0.0444	0.0458	0.0474	0.0491	0.0509	0.0528	0.0548	0.0570
2001	0.0166	0.0170	0.0174	0.0178	0.0183	0.0187	0.0193	0.0198	0.0204	0.0210	0.0217	0.0224	0.0231	0.0239	0.0248	0.0258	0.0267	0.0278
2002	0.0211	0.0216	0.0221	0.0227	0.0232	0.0238	0.0245	0.0252	0.0259	0.0267	0.0276	0.0285	0.0294	0.0305	0.0316	0.0328	0.0340	0.0354
2003	0.0401	0.0411	0.0421	0.0432	0.0443	0.0455	0.0467	0.0480	0.0494	0.0509	0.0525	0.0542	0.0561	0.0581	0.0602	0.0624	0.0649	0.0674
2004	0.0149	0.0153	0.0157	0.0161	0.0165	0.0169	0.0174	0.0179	0.0184	0.0189	0.0195	0.0202	0.0209	0.0216	0.0224	0.0232	0.0241	0.0251
2005	0.0223	0.0229	0.0234	0.0240	0.0246	0.0253	0.0259	0.0267	0.0275	0.0283	0.0292	0.0301	0.0312	0.0323	0.0334	0.0347	0.0360	0.0375
2006	0.0185	0.0189	0.0194	0.0198	0.0204	0.0209	0.0215	0.0221	0.0227	0.0234	0.0241	0.0249	0.0258	0.0267	0.0277	0.0287	0.0298	0.0310
2007	0.0333	0.0341	0.0349	0.0358	0.0367	0.0377	0.0387	0.0398	0.0410	0.0422	0.0436	0.0450	0.0465	0.0481	0.0499	0.0518	0.0538	0.0559
2008	0.0139	0.0142	0.0146	0.0149	0.0153	0.0157	0.0161	0.0166	0.0171	0.0176	0.0181	0.0187	0.0194	0.0201	0.0208	0.0216	0.0224	0.0233
2009	0.0166	0.0170	0.0175	0.0179	0.0184	0.0188	0.0194	0.0199	0.0205	0.0211	0.0218	0.0225	0.0232	0.0241	0.0249	0.0259	0.0269	0.0280
2010	0.0079	0.0081	0.0083	0.0085	0.0087	0.0090	0.0092	0.0095	0.0097	0.0100	0.0104	0.0107	0.0111	0.0114	0.0119	0.0123	0.0128	0.0133
2011	0.0173	0.0177	0.0181	0.0186	0.0190	0.0195	0.0201	0.0206	0.0213	0.0219	0.0226	0.0233	0.0241	0.0250	0.0259	0.0269	0.0279	0.0290
2012	0.0132	0.0135	0.0139	0.0142	0.0146	0.0150	0.0154	0.0158	0.0163	0.0168	0.0173	0.0178	0.0185	0.0191	0.0198	0.0205	0.0213	0.0222
2013	0.0296	0.0303	0.0311	0.0319	0.0327	0.0335	0.0344	0.0354	0.0365	0.0376	0.0387	0.0400	0.0414	0.0428	0.0444	0.0461	0.0478	0.0497
2014	0.0324	0.0332	0.0340	0.0348	0.0357	0.0367	0.0377	0.0387	0.0399	0.0411	0.0424	0.0437	0.0452	0.0468	0.0485	0.0504	0.0523	0.0544
2015	0.0200	0.0205	0.0210	0.0215	0.0220	0.0226	0.0232	0.0239	0.0246	0.0253	0.0261	0.0270	0.0279	0.0289	0.0299	0.0311	0.0323	0.0335
2016	0.0273	0.0280	0.0286	0.0294	0.0301	0.0309	0.0317	0.0326	0.0336	0.0346	0.0357	0.0369	0.0381	0.0395	0.0409	0.0425	0.0441	0.0458
2017	0.0253	0.0259	0.0266	0.0272	0.0279	0.0287	0.0294	0.0303	0.0312	0.0321	0.0331	0.0342	0.0354	0.0366	0.0379	0.0394	0.0409	0.0425
2018	0.0182	0.0187	0.0192	0.0196	0.0201	0.0207	0.0212	0.0218	0.0225	0.0231	0.0239	0.0247	0.0255	0.0264	0.0274	0.0284	0.0295	0.0306
2019	0.0187	0.0192	0.0196	0.0201	0.0207	0.0212	0.0218	0.0225	0.0231	0.0239	0.0247	0.0255	0.0264	0.0274	0.0284	0.0295	0.0306	0.0319

Notes: (a) See Appendix E, Exhibit V, Sheets 1a, 1b, 2a, and 2b.

Accepted Claim Counts (Excluding Deceased Claims) - Expected Remaining Alive by Maturity

**Adjusted q(x) (a)**

Year of Birth	Maturity (months) 651:663	Maturity (months) 663:675	Maturity (months) 675:687	Maturity (months) 687:699	Maturity (months) 699:711	Maturity (months) 711:723	Maturity (months) 723:735	Maturity (months) 735:747	Maturity (months) 747:759	Maturity (months) 759:771	Maturity (months) 771:783	Maturity (months) 783:795	Maturity (months) 795:807	Maturity (months) 807:819	Maturity (months) 819:831	Maturity (months) 831:843	Maturity (months) 843:855	Maturity (months) 855:867
1989	0.0341	0.0355	0.0370	0.0386	0.0404	0.0422	0.0441	0.0462	0.0485	0.0509	0.0535	0.0563	0.0594	0.0626	0.0660	0.0696	0.0735	0.0776
1990	0.0658	0.0685	0.0714	0.0744	0.0777	0.0813	0.0850	0.0891	0.0934	0.0981	0.1031	0.1085	0.1143	0.1206	0.1272	0.1341	0.1415	0.1495
1991	0.0238	0.0247	0.0258	0.0269	0.0281	0.0294	0.0307	0.0322	0.0337	0.0354	0.0372	0.0392	0.0413	0.0436	0.0459	0.0485	0.0511	0.0540
1992	0.0261	0.0271	0.0283	0.0295	0.0308	0.0322	0.0337	0.0353	0.0370	0.0388	0.0408	0.0430	0.0453	0.0478	0.0504	0.0531	0.0560	0.0592
1993	0.0293	0.0305	0.0318	0.0331	0.0346	0.0362	0.0379	0.0396	0.0416	0.0437	0.0459	0.0483	0.0509	0.0537	0.0566	0.0597	0.0630	0.0666
1994	0.0207	0.0216	0.0225	0.0235	0.0245	0.0256	0.0268	0.0281	0.0294	0.0309	0.0325	0.0342	0.0360	0.0380	0.0401	0.0422	0.0446	0.0471
1995	0.0234	0.0244	0.0254	0.0265	0.0277	0.0289	0.0303	0.0317	0.0332	0.0349	0.0367	0.0386	0.0407	0.0429	0.0453	0.0477	0.0504	0.0532
1996	0.0481	0.0501	0.0522	0.0545	0.0569	0.0595	0.0622	0.0652	0.0683	0.0717	0.0754	0.0794	0.0837	0.0882	0.0931	0.0981	0.1035	0.1094
1997	0.0227	0.0236	0.0246	0.0257	0.0268	0.0281	0.0294	0.0307	0.0322	0.0338	0.0356	0.0375	0.0395	0.0416	0.0439	0.0463	0.0488	0.0516
1998	0.0277	0.0288	0.0300	0.0313	0.0327	0.0342	0.0357	0.0374	0.0393	0.0412	0.0433	0.0456	0.0481	0.0507	0.0535	0.0564	0.0595	0.0629
1999	0.0414	0.0431	0.0449	0.0469	0.0490	0.0512	0.0535	0.0561	0.0588	0.0617	0.0649	0.0683	0.0720	0.0759	0.0801	0.0845	0.0891	0.0942
2000	0.0593	0.0617	0.0643	0.0671	0.0701	0.0732	0.0766	0.0803	0.0842	0.0884	0.0929	0.0978	0.1030	0.1087	0.1146	0.1209	0.1275	0.1347
2001	0.0289	0.0301	0.0314	0.0327	0.0342	0.0357	0.0374	0.0392	0.0411	0.0431	0.0453	0.0477	0.0503	0.0530	0.0559	0.0590	0.0622	0.0657
2002	0.0368	0.0383	0.0399	0.0416	0.0435	0.0455	0.0476	0.0498	0.0522	0.0548	0.0577	0.0607	0.0640	0.0675	0.0711	0.0750	0.0791	0.0836
2003	0.0701	0.0730	0.0761	0.0794	0.0829	0.0866	0.0906	0.0949	0.0996	0.1045	0.1099	0.1157	0.1219	0.1286	0.1356	0.1430	0.1509	0.1594
2004	0.0261	0.0272	0.0283	0.0295	0.0308	0.0322	0.0337	0.0353	0.0370	0.0389	0.0409	0.0430	0.0454	0.0478	0.0505	0.0532	0.0561	0.0593
2005	0.0390	0.0406	0.0423	0.0441	0.0461	0.0481	0.0504	0.0528	0.0553	0.0581	0.0611	0.0643	0.0677	0.0714	0.0754	0.0795	0.0838	0.0886
2006	0.0322	0.0335	0.0350	0.0365	0.0381	0.0398	0.0417	0.0436	0.0458	0.0480	0.0505	0.0532	0.0560	0.0591	0.0623	0.0657	0.0693	0.0733
2007	0.0582	0.0605	0.0631	0.0658	0.0687	0.0718	0.0752	0.0787	0.0826	0.0867	0.0911	0.0959	0.1011	0.1066	0.1124	0.1186	0.1251	0.1322
2008	0.0242	0.0252	0.0263	0.0274	0.0286	0.0299	0.0313	0.0328	0.0344	0.0361	0.0380	0.0400	0.0421	0.0444	0.0468	0.0494	0.0521	0.0551
2009	0.0291	0.0303	0.0315	0.0329	0.0344	0.0359	0.0376	0.0394	0.0413	0.0433	0.0456	0.0480	0.0505	0.0533	0.0562	0.0593	0.0625	0.0661
2010	0.0138	0.0144	0.0150	0.0156	0.0163	0.0171	0.0179	0.0187	0.0196	0.0206	0.0217	0.0228	0.0240	0.0253	0.0267	0.0282	0.0297	0.0314
2011	0.0302	0.0314	0.0327	0.0341	0.0356	0.0373	0.0390	0.0408	0.0428	0.0450	0.0473	0.0497	0.0524	0.0553	0.0583	0.0615	0.0649	0.0686
2012	0.0231	0.0240	0.0250	0.0261	0.0273	0.0285	0.0298	0.0312	0.0328	0.0344	0.0362	0.0381	0.0401	0.0423	0.0446	0.0471	0.0496	0.0525
2013	0.0517	0.0538	0.0561	0.0585	0.0611	0.0639	0.0669	0.0700	0.0734	0.0771	0.0811	0.0853	0.0899	0.0948	0.1000	0.1055	0.1113	0.1176
2014	0.0565	0.0589	0.0613	0.0640	0.0668	0.0699	0.0731	0.0766	0.0803	0.0843	0.0886	0.0933	0.0983	0.1037	0.1093	0.1153	0.1217	0.1285
2015	0.0349	0.0363	0.0378	0.0395	0.0412	0.0431	0.0451	0.0472	0.0495	0.0520	0.0547	0.0575	0.0606	0.0639	0.0674	0.0711	0.0750	0.0793
2016	0.0477	0.0496	0.0517	0.0540	0.0563	0.0589	0.0616	0.0645	0.0677	0.0711	0.0747	0.0786	0.0829	0.0874	0.0922	0.0972	0.1026	0.1084
2017	0.0442	0.0460	0.0480	0.0500	0.0523	0.0546	0.0572	0.0599	0.0628	0.0659	0.0693	0.0729	0.0769	0.0811	0.0855	0.0902	0.0951	0.1005
2018	0.0319	0.0332	0.0346	0.0361	0.0377	0.0394	0.0412	0.0432	0.0453	0.0475	0.0500	0.0526	0.0554	0.0584	0.0616	0.0650	0.0686	0.0725
2019	0.0332	0.0346	0.0361	0.0377	0.0394	0.0412	0.0432	0.0453	0.0475	0.0500	0.0526	0.0554	0.0584	0.0616	0.0650	0.0686	0.0725	0.0767

Notes: (a) See Appendix E, Exhibit V, Sheets 1a, 1b, 2a, and 2b.

Accepted Claim Counts (Excluding Deceased Claims) - Expected Remaining Alive by Maturity

Adjusted q(x) (a)

Year of Birth	Maturity (months) 867:879	Maturity (months) 879:891	Maturity (months) 891:903	Maturity (months) 903:915	Maturity (months) 915:927	Maturity (months) 927:939	Maturity (months) 939:951	Maturity (months) 951:963	Maturity (months) 963:975	Maturity (months) 975:987	Maturity (months) 987:999	Maturity (months) 999:1011	Maturity (months) 1011:1023	Maturity (months) 1023:1035	Maturity (months) 1035:1047	Maturity (months) 1047:1059	Maturity (months) 1059:1071	Maturity (months) 1071:1083
1989	0.0822	0.0871	0.0925	0.0984	0.1048	0.1118	0.1193	0.1275	0.1363	0.1459	0.1565	0.1680	0.1806	0.1943	0.2092	0.2254	0.2431	0.2622
1990	0.1583	0.1678	0.1782	0.1896	0.2019	0.2154	0.2299	0.2455	0.2625	0.2811	0.3014	0.3236	0.3479	0.3743	0.4030	0.4343	0.4683	0.5051
1991	0.0572	0.0606	0.0644	0.0685	0.0730	0.0778	0.0831	0.0887	0.0948	0.1015	0.1089	0.1169	0.1257	0.1352	0.1456	0.1569	0.1692	0.1825
1992	0.0627	0.0665	0.0706	0.0751	0.0800	0.0853	0.0911	0.0973	0.1040	0.1113	0.1194	0.1282	0.1378	0.1482	0.1596	0.1720	0.1855	0.2001
1993	0.0705	0.0747	0.0793	0.0844	0.0899	0.0959	0.1023	0.1093	0.1169	0.1251	0.1342	0.1441	0.1549	0.1666	0.1794	0.1933	0.2085	0.2249
1994	0.0499	0.0529	0.0561	0.0597	0.0636	0.0678	0.0724	0.0773	0.0827	0.0885	0.0950	0.1019	0.1096	0.1179	0.1270	0.1368	0.1475	0.1591
1995	0.0563	0.0597	0.0634	0.0674	0.0719	0.0766	0.0818	0.0874	0.0934	0.1000	0.1073	0.1152	0.1238	0.1332	0.1434	0.1545	0.1666	0.1797
1996	0.1158	0.1228	0.1304	0.1387	0.1478	0.1576	0.1682	0.1797	0.1921	0.2057	0.2206	0.2368	0.2545	0.2739	0.2949	0.3178	0.3426	0.3696
1997	0.0546	0.0579	0.0615	0.0654	0.0697	0.0743	0.0794	0.0848	0.0906	0.0970	0.1041	0.1117	0.1201	0.1292	0.1391	0.1499	0.1616	0.1744
1998	0.0666	0.0706	0.0749	0.0797	0.0849	0.0905	0.0966	0.1032	0.1104	0.1182	0.1267	0.1361	0.1462	0.1574	0.1694	0.1826	0.1969	0.2123
1999	0.0997	0.1057	0.1122	0.1194	0.1272	0.1356	0.1448	0.1546	0.1653	0.1770	0.1898	0.2038	0.2191	0.2357	0.2538	0.2735	0.2949	0.3181
2000	0.1427	0.1513	0.1606	0.1708	0.1820	0.1941	0.2072	0.2213	0.2366	0.2533	0.2716	0.2916	0.3135	0.3373	0.3632	0.3914	0.4220	0.4552
2001	0.0696	0.0738	0.0784	0.0833	0.0888	0.0947	0.1011	0.1080	0.1154	0.1236	0.1325	0.1423	0.1529	0.1646	0.1772	0.1909	0.2059	0.2221
2002	0.0885	0.0939	0.0997	0.1060	0.1129	0.1205	0.1286	0.1373	0.1468	0.1572	0.1686	0.1810	0.1946	0.2093	0.2254	0.2429	0.2619	0.2825
2003	0.1688	0.1789	0.1900	0.2021	0.2153	0.2296	0.2451	0.2618	0.2799	0.2997	0.3214	0.3450	0.3709	0.3990	0.4297	0.4630	0.4992	0.5385
2004	0.0628	0.0666	0.0707	0.0752	0.0801	0.0854	0.0912	0.0974	0.1041	0.1115	0.1196	0.1284	0.1380	0.1485	0.1599	0.1723	0.1858	0.2004
2005	0.0938	0.0994	0.1056	0.1123	0.1196	0.1276	0.1362	0.1455	0.1555	0.1665	0.1786	0.1917	0.2061	0.2217	0.2388	0.2573	0.2774	0.2992
2006	0.0776	0.0822	0.0873	0.0929	0.0989	0.1055	0.1126	0.1203	0.1286	0.1377	0.1477	0.1586	0.1705	0.1834	0.1975	0.2128	0.2295	0.2475
2007	0.1400	0.1484	0.1576	0.1676	0.1785	0.1904	0.2033	0.2171	0.2321	0.2485	0.2665	0.2861	0.3076	0.3309	0.3563	0.3840	0.4140	0.4466
2008	0.0583	0.0618	0.0656	0.0698	0.0744	0.0793	0.0847	0.0904	0.0967	0.1035	0.1110	0.1192	0.1281	0.1378	0.1484	0.1599	0.1724	0.1860
2009	0.0700	0.0742	0.0788	0.0838	0.0892	0.0952	0.1016	0.1085	0.1160	0.1242	0.1332	0.1430	0.1537	0.1654	0.1781	0.1920	0.2070	0.2232
2010	0.0333	0.0353	0.0375	0.0398	0.0424	0.0453	0.0483	0.0516	0.0552	0.0591	0.0633	0.0680	0.0731	0.0786	0.0847	0.0913	0.0984	0.1061
2011	0.0726	0.0769	0.0817	0.0869	0.0926	0.0987	0.1054	0.1126	0.1204	0.1289	0.1382	0.1484	0.1595	0.1716	0.1848	0.1991	0.2147	0.2316
2012	0.0555	0.0589	0.0625	0.0665	0.0708	0.0756	0.0806	0.0861	0.0921	0.0986	0.1057	0.1135	0.1220	0.1313	0.1414	0.1524	0.1643	0.1772
2013	0.1245	0.1320	0.1402	0.1491	0.1588	0.1694	0.1808	0.1931	0.2064	0.2210	0.2370	0.2545	0.2735	0.2943	0.3169	0.3415	0.3682	0.3972
2014	0.1361	0.1443	0.1532	0.1630	0.1736	0.1852	0.1976	0.2111	0.2257	0.2416	0.2591	0.2782	0.2991	0.3218	0.3465	0.3734	0.4026	0.4342
2015	0.0839	0.0890	0.0945	0.1005	0.1071	0.1142	0.1219	0.1302	0.1392	0.1490	0.1598	0.1716	0.1844	0.1984	0.2137	0.2303	0.2483	0.2678
2016	0.1147	0.1216	0.1292	0.1374	0.1463	0.1561	0.1666	0.1779	0.1903	0.2037	0.2185	0.2345	0.2521	0.2712	0.2921	0.3148	0.3394	0.3660
2017	0.1064	0.1128	0.1198	0.1274	0.1357	0.1448	0.1545	0.1651	0.1765	0.1889	0.2026	0.2176	0.2338	0.2516	0.2709	0.2920	0.3148	0.3395
2018	0.0767	0.0813	0.0864	0.0919	0.0978	0.1044	0.1114	0.1190	0.1272	0.1362	0.1461	0.1568	0.1686	0.1814	0.1953	0.2104	0.2269	0.2447
2019	0.0813	0.0864	0.0919	0.0978	0.1044	0.1114	0.1190	0.1272	0.1362	0.1461	0.1568	0.1686	0.1814	0.1953	0.2104	0.2269	0.2447	0.2640

Notes: (a) See Appendix E, Exhibit V, Sheets 1a, 1b, 2a, and 2b.

Accepted Claim Counts (Excluding Deceased Claims) - Expected Remaining Alive by Maturity

Adjusted q(x) (a)

Year of Birth	Maturity (months) 1083:1095	Maturity (months) 1095:1107	Maturity (months) 1107:1119	Maturity (months) 1119:1131	Maturity (months) 1131:1143	Maturity (months) 1143:1155	Maturity (months) 1155:1167	Maturity (months) 1167:1179	Maturity (months) 1179:1191	Maturity (months) 1191:1203	Maturity (months) 1203:1215	Maturity (months) 1215:1227	Maturity (months) 1227:1239	Maturity (months) 1239:1251	Maturity (months) 1251:1263	Maturity (months) 1263:1275	Maturity (months) 1275:1287	Maturity (months) 1287:1299
1989	0.2829	0.3052	0.3292	0.3551	0.3827	0.4122	0.4429	0.4748	0.5079	0.5423	0.5782	0.5994	0.5994	0.5994	0.5994	0.5994	0.5994	0.5994
1990	0.5449	0.5879	0.6343	0.6841	0.7373	0.7940	0.8532	0.9147	0.9785	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1991	0.1969	0.2124	0.2291	0.2471	0.2664	0.2869	0.3082	0.3305	0.3535	0.3774	0.4024	0.4171	0.4171	0.4171	0.4171	0.4171	0.4171	0.4171
1992	0.2158	0.2329	0.2512	0.2710	0.2921	0.3145	0.3379	0.3623	0.3876	0.4138	0.4412	0.4574	0.4574	0.4574	0.4574	0.4574	0.4574	0.4574
1993	0.2426	0.2617	0.2824	0.3045	0.3283	0.3535	0.3798	0.4072	0.4356	0.4651	0.4959	0.5140	0.5140	0.5140	0.5140	0.5140	0.5140	0.5140
1994	0.1717	0.1852	0.1998	0.2155	0.2323	0.2501	0.2688	0.2881	0.3082	0.3291	0.3509	0.3637	0.3637	0.3637	0.3637	0.3637	0.3637	0.3637
1995	0.1939	0.2092	0.2257	0.2434	0.2624	0.2825	0.3036	0.3255	0.3482	0.3717	0.3964	0.4109	0.4109	0.4109	0.4109	0.4109	0.4109	0.4109
1996	0.3987	0.4302	0.4641	0.5005	0.5395	0.5810	0.6243	0.6693	0.7159	0.7644	0.8151	0.8449	0.8449	0.8449	0.8449	0.8449	0.8449	0.8449
1997	0.1881	0.2030	0.2190	0.2361	0.2545	0.2741	0.2945	0.3158	0.3378	0.3606	0.3845	0.3986	0.3986	0.3986	0.3986	0.3986	0.3986	0.3986
1998	0.2291	0.2472	0.2667	0.2876	0.3100	0.3338	0.3587	0.3846	0.4114	0.4392	0.4683	0.4854	0.4854	0.4854	0.4854	0.4854	0.4854	0.4854
1999	0.3432	0.3702	0.3994	0.4308	0.4643	0.5000	0.5373	0.5760	0.6162	0.6579	0.7015	0.7271	0.7271	0.7271	0.7271	0.7271	0.7271	0.7271
2000	0.4910	0.5298	0.5716	0.6165	0.6645	0.7155	0.7689	0.8243	0.8818	0.9414	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2001	0.2396	0.2585	0.2789	0.3008	0.3242	0.3491	0.3751	0.4021	0.4302	0.4593	0.4897	0.5077	0.5077	0.5077	0.5077	0.5077	0.5077	0.5077
2002	0.3048	0.3288	0.3548	0.3826	0.4124	0.4441	0.4772	0.5116	0.5473	0.5843	0.6231	0.6458	0.6458	0.6458	0.6458	0.6458	0.6458	0.6458
2003	0.5810	0.6268	0.6762	0.7293	0.7861	0.8466	0.9096	0.9752	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2004	0.2162	0.2332	0.2516	0.2714	0.2925	0.3150	0.3384	0.3628	0.3881	0.4144	0.4419	0.4580	0.4580	0.4580	0.4580	0.4580	0.4580	0.4580
2005	0.3228	0.3483	0.3758	0.4053	0.4369	0.4704	0.5055	0.5419	0.5797	0.6189	0.6600	0.6841	0.6841	0.6841	0.6841	0.6841	0.6841	0.6841
2006	0.2670	0.2881	0.3108	0.3352	0.3613	0.3891	0.4181	0.4482	0.4795	0.5119	0.5458	0.5658	0.5658	0.5658	0.5658	0.5658	0.5658	0.5658
2007	0.4818	0.5198	0.5608	0.6048	0.6519	0.7020	0.7543	0.8087	0.8651	0.9236	0.9849	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2008	0.2007	0.2165	0.2336	0.2519	0.2715	0.2924	0.3142	0.3368	0.3603	0.3847	0.4102	0.4252	0.4252	0.4252	0.4252	0.4252	0.4252	0.4252
2009	0.2408	0.2599	0.2803	0.3023	0.3259	0.3509	0.3771	0.4043	0.4325	0.4617	0.4923	0.5103	0.5103	0.5103	0.5103	0.5103	0.5103	0.5103
2010	0.1145	0.1235	0.1333	0.1437	0.1549	0.1668	0.1793	0.1922	0.2056	0.2195	0.2341	0.2426	0.2426	0.2426	0.2426	0.2426	0.2426	0.2426
2011	0.2498	0.2695	0.2908	0.3136	0.3380	0.3640	0.3912	0.4193	0.4486	0.4789	0.5107	0.5294	0.5294	0.5294	0.5294	0.5294	0.5294	0.5294
2012	0.1912	0.2063	0.2225	0.2400	0.2587	0.2786	0.2993	0.3209	0.3433	0.3665	0.3908	0.4051	0.4051	0.4051	0.4051	0.4051	0.4051	0.4051
2013	0.4285	0.4623	0.4988	0.5379	0.5798	0.6244	0.6709	0.7193	0.7694	0.8215	0.8759	0.9080	0.9080	0.9080	0.9080	0.9080	0.9080	0.9080
2014	0.4685	0.5054	0.5453	0.5881	0.6339	0.6826	0.7335	0.7864	0.8412	0.8981	0.9577	0.9927	0.9927	0.9927	0.9927	0.9927	0.9927	0.9927
2015	0.2889	0.3117	0.3363	0.3627	0.3909	0.4210	0.4524	0.4850	0.5188	0.5539	0.5906	0.6122	0.6122	0.6122	0.6122	0.6122	0.6122	0.6122
2016	0.3949	0.4261	0.4597	0.4958	0.5344	0.5755	0.6183	0.6629	0.7091	0.7571	0.8073	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368
2017	0.3663	0.3952	0.4264	0.4599	0.4957	0.5338	0.5735	0.6149	0.6578	0.7023	0.7488	0.7762	0.7762	0.7762	0.7762	0.7762	0.7762	0.7762
2018	0.2640	0.2849	0.3074	0.3315	0.3573	0.3848	0.4134	0.4432	0.4741	0.5062	0.5398	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595
2019	0.2849	0.3074	0.3315	0.3573	0.3848	0.4134	0.4432	0.4741	0.5062	0.5398	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595

Notes: (a) See Appendix E, Exhibit V, Sheets 1a, 1b, 2a, and 2b.



Accepted Claim Counts (Excluding Deceased Claims) - Expected Remaining Alive by Maturity

Adjusted q(x) (a)

Year of Birth	Maturity (months) 1299:1311	Maturity (months) 1311:1323	Maturity (months) 1323:1335	Maturity (months) 1335:1347	Maturity (months) 1347:1359	Maturity (months) 1359:1371	Maturity (months) 1371:1383	Maturity (months) 1383:1395	Maturity (months) 1395:1407	Maturity (months) 1407:1419	Maturity (months) 1419:1431	Maturity (months) 1431:1443	Maturity (months) 1443:1455	Maturity (months) 1455:1467	Maturity (months) 1467:1479
1989	0.5994	0.5994	0.5994	0.5994	0.5994	0.5994	0.5994	0.5994	0.5994	0.5994	0.5994	0.5994	0.5994	1.0000	1.0000
1990	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1991	0.4171	0.4171	0.4171	0.4171	0.4171	0.4171	0.4171	0.4171	0.4171	0.4171	0.4171	0.4171	0.4171	0.4171	1.0000
1992	0.4574	0.4574	0.4574	0.4574	0.4574	0.4574	0.4574	0.4574	0.4574	0.4574	0.4574	0.4574	0.4574	0.4574	1.0000
1993	0.5140	0.5140	0.5140	0.5140	0.5140	0.5140	0.5140	0.5140	0.5140	0.5140	0.5140	0.5140	0.5140	0.5140	1.0000
1994	0.3637	0.3637	0.3637	0.3637	0.3637	0.3637	0.3637	0.3637	0.3637	0.3637	0.3637	0.3637	0.3637	0.3637	1.0000
1995	0.4109	0.4109	0.4109	0.4109	0.4109	0.4109	0.4109	0.4109	0.4109	0.4109	0.4109	0.4109	0.4109	0.4109	1.0000
1996	0.8449	0.8449	0.8449	0.8449	0.8449	0.8449	0.8449	0.8449	0.8449	0.8449	0.8449	0.8449	0.8449	0.8449	1.0000
1997	0.3986	0.3986	0.3986	0.3986	0.3986	0.3986	0.3986	0.3986	0.3986	0.3986	0.3986	0.3986	0.3986	0.3986	1.0000
1998	0.4854	0.4854	0.4854	0.4854	0.4854	0.4854	0.4854	0.4854	0.4854	0.4854	0.4854	0.4854	0.4854	0.4854	1.0000
1999	0.7271	0.7271	0.7271	0.7271	0.7271	0.7271	0.7271	0.7271	0.7271	0.7271	0.7271	0.7271	0.7271	0.7271	1.0000
2000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2001	0.5077	0.5077	0.5077	0.5077	0.5077	0.5077	0.5077	0.5077	0.5077	0.5077	0.5077	0.5077	0.5077	0.5077	1.0000
2002	0.6458	0.6458	0.6458	0.6458	0.6458	0.6458	0.6458	0.6458	0.6458	0.6458	0.6458	0.6458	0.6458	0.6458	1.0000
2003	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2004	0.4580	0.4580	0.4580	0.4580	0.4580	0.4580	0.4580	0.4580	0.4580	0.4580	0.4580	0.4580	0.4580	0.4580	1.0000
2005	0.6841	0.6841	0.6841	0.6841	0.6841	0.6841	0.6841	0.6841	0.6841	0.6841	0.6841	0.6841	0.6841	0.6841	1.0000
2006	0.5658	0.5658	0.5658	0.5658	0.5658	0.5658	0.5658	0.5658	0.5658	0.5658	0.5658	0.5658	0.5658	0.5658	1.0000
2007	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2008	0.4252	0.4252	0.4252	0.4252	0.4252	0.4252	0.4252	0.4252	0.4252	0.4252	0.4252	0.4252	0.4252	0.4252	1.0000
2009	0.5103	0.5103	0.5103	0.5103	0.5103	0.5103	0.5103	0.5103	0.5103	0.5103	0.5103	0.5103	0.5103	0.5103	1.0000
2010	0.2426	0.2426	0.2426	0.2426	0.2426	0.2426	0.2426	0.2426	0.2426	0.2426	0.2426	0.2426	0.2426	0.2426	1.0000
2011	0.5294	0.5294	0.5294	0.5294	0.5294	0.5294	0.5294	0.5294	0.5294	0.5294	0.5294	0.5294	0.5294	0.5294	1.0000
2012	0.4051	0.4051	0.4051	0.4051	0.4051	0.4051	0.4051	0.4051	0.4051	0.4051	0.4051	0.4051	0.4051	0.4051	1.0000
2013	0.9080	0.9080	0.9080	0.9080	0.9080	0.9080	0.9080	0.9080	0.9080	0.9080	0.9080	0.9080	0.9080	0.9080	1.0000
2014	0.9927	0.9927	0.9927	0.9927	0.9927	0.9927	0.9927	0.9927	0.9927	0.9927	0.9927	0.9927	0.9927	0.9927	1.0000
2015	0.6122	0.6122	0.6122	0.6122	0.6122	0.6122	0.6122	0.6122	0.6122	0.6122	0.6122	0.6122	0.6122	0.6122	1.0000
2016	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	0.8368	1.0000
2017	0.7762	0.7762	0.7762	0.7762	0.7762	0.7762	0.7762	0.7762	0.7762	0.7762	0.7762	0.7762	0.7762	0.7762	1.0000
2018	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	1.0000
2019	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	0.5595	1.0000	1.0000

Notes: (a) See Appendix E, Exhibit V, Sheets 1a, 1b, 2a, and 2b.

**Development of Average Incremental Payments Per Open Accepted Claim (AAA Only) - 2019 Cost Level (a)**

Year of Birth	3	15	27	39	51	63	75	87	99	111	123	135	147	159	171	183
1989				262,085	149,294	163,441	81,476	63,306	74,929	103,253	57,746	69,975	294,954	52,323	112,260	85,025
1990			185,611	118,715	11,620	62,103	38,767	29,933	16,604	21,814	13,777	13,644	19,397	26,602	45,829	50,557
1991		3,096	318,270	18,324	142,893	109,349	46,291	31,444	16,238	12,518	36,331	32,658	45,154	39,046	37,344	44,710
1992		8,448	86,076	78,727	103,411	47,594	38,403	30,403	28,144	23,026	27,373	31,166	42,632	38,838	36,978	38,638
1993		1,257	63,104	93,207	75,098	110,308	92,404	99,948	94,708	96,834	100,121	87,417	78,083	99,348	104,232	87,739
1994		139,467	386,897	136,069	112,750	60,075	147,055	56,241	87,442	62,860	18,570	74,906	163,593	20,737	23,362	47,670
1995			60,050	143,198	94,569	17,330	22,703	38,871	24,075	51,863	57,874	178,966	66,677	90,256	101,056	26,527
1996		3,008	292,355	76,490	147,137	63,335	151,137	98,122	59,296	67,756	70,743	58,215	69,765	60,689	67,699	79,506
1997		17,184	111,276	64,416	55,582	69,975	99,705	57,883	44,597	46,338	31,869	55,309	73,493	82,613	71,860	73,260
1998		11,473	141,373	117,218	85,561	59,839	46,225	140,747	62,659	76,256	57,493	79,044	81,122	91,949	91,769	88,744
1999		233,660	206,704	137,829	107,782	98,427	74,845	61,418	115,459	163,631	110,641	96,090	119,000	127,339	93,363	135,659
2000		217,531	165,572	139,385	122,826	72,458	51,112	34,620	42,845	38,323	33,957	66,097	51,662	49,722	66,490	64,649
2001			498,707	416,503	285,514	128,546	269,092	143,828	87,314	66,406	81,616	85,888	95,818	122,006	116,114	136,964
2002		79,419	143,546	83,114	67,468	80,730	51,940	107,759	69,564	70,242	61,511	74,594	92,655	77,897	82,473	84,158
2003				65,685	46,765	129,621	217,320	65,390	62,651	99,367	97,914	89,350	140,232	152,441	129,575	125,027
2004		4,804	150,890	257,035	143,750	68,344	102,898	85,177	80,411	41,059	69,032	70,080	65,813	59,658	62,180	76,086
2005		30	5,833	134,203	94,267	62,713	126,752	78,236	71,002	63,831	68,385	66,312	65,606	73,402	75,320	
2006		2,347	116,240	72,460	115,351	79,202	190,499	85,963	73,179	62,779	63,162	72,955	83,889	72,404		
2007			180,665	133,018	162,814	111,619	137,104	119,674	112,873	118,348	114,088	125,867	121,601			
2008		6,288	83,211	83,339	78,163	43,599	39,678	60,174	66,062	72,554	87,295	65,633				
2009		359,234	71,633	136,587	108,318	55,489	57,454	80,831	138,795	58,114	65,351					
2010		126,078	326,953	31,561	109,778	40,223	27,655	50,812	37,302	35,773						
2011		9,282	34,820	115,390	47,886	81,567	70,548	66,182	62,314							
2012		11,585	83,055	109,911	103,495	59,926	39,635	61,724								
2013		68,682	160,848	176,760	101,659	89,377	92,211									
2014		56,814	102,517	82,408	117,187	90,684										
2015		619	176,153	114,209	133,305											
2016			71,744	26,032												
2017		171,487	66,714													
2018		30,930														
2019																
Averages:																
Latest 3		115,959	94,912	87,287	118,997	82,051	67,850	61,270	87,904	59,422	87,106	84,666	89,802	69,702	81,791	88,075
Latest 5		86,681	110,533	106,076	100,045	75,960	59,222	65,667	87,470	71,165	78,686	79,366	90,814	79,253	86,241	90,689
Latest 10	60	85,068	105,169	104,576	105,942	72,469	90,958	76,659	79,594	69,146	72,631	79,854	89,869	85,935	82,996	85,566
All	60	88,031	130,902	114,150	100,378	77,554	85,107	76,064	68,689	67,827	63,534	72,702	88,546	73,703	76,684	76,014
Cumulative	85,744	85,773	85,740	84,000	81,886	80,297	80,551	80,106	80,521	81,791	83,336	85,683	87,281	87,119	88,950	90,698
<b>Selected</b>		<b>85,068</b>	<b>105,169</b>	<b>104,576</b>	<b>105,942</b>	<b>72,469</b>	<b>90,958</b>	<b>76,659</b>	<b>79,594</b>	<b>81,791</b>	<b>83,336</b>	<b>85,683</b>	<b>87,281</b>	<b>87,119</b>	<b>88,950</b>	<b>90,698</b>

Note (a): Ratio of 2019 level incremental payments (shown in Appendix E, Exhibit IV, Sheets 3a and 3b) and accepted reported claim counts (AAA only as shown in Appendix E, Exhibit IV, Sheets 2a and 2b).

**Development of Average Incremental Payments Per Open Accepted Claim (AAA Only) - 2019 Cost Level (a)**

Year of Birth	195	207	219	231	243	255	267	279	291	303	315	327	339	351	363
1989	97,230	105,041	91,322	78,747	47,996	60,565	58,225	94,482	88,101	120,177	113,440	130,196	138,965	81,331	92,995
1990	64,293	70,512	38,662	31,792	29,006	37,848	31,564	38,482	62,609	105,810	68,421	63,814	64,954	87,317	
1991	44,036	91,357	155,823	136,254	137,542	107,347	246,434	124,445	142,119	127,420	126,798	148,473	142,172		
1992	44,505	49,629	59,097	82,004	73,616	62,803	100,389	102,097	94,576	93,906	102,701	100,341			
1993	97,411	89,139	104,678	95,356	108,124	132,514	123,603	109,467	110,273	102,928	123,438				
1994	39,767	45,727	37,247	36,879	58,691	68,032	63,720	63,327	70,443	61,205					
1995	284,652	68,024	74,726	127,811	132,700	125,962	149,543	118,786	107,259						
1996	80,069	55,577	66,756	66,393	67,114	73,193	77,339	79,396							
1997	113,813	77,765	68,390	74,737	73,350	64,894	72,266								
1998	118,294	108,338	107,709	112,076	117,115	123,869									
1999	168,380	126,758	123,196	130,906	127,305										
2000	55,062	62,943	61,988	70,342											
2001	113,192	109,624	127,353												
2002	77,657	79,550													
2003	101,585														
2004															
2005															
2006															
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2015															
2016															
2017															
2018															
2019															
Averages:															
Latest 3	88,353	81,244	100,933	104,467	102,590	92,835	94,204	88,241	100,015	91,114	115,190	105,525			
Latest 5	93,651	94,591	95,508	90,753	100,702	94,788	97,857	97,444	103,997	97,875					
Latest 10	111,115	83,857	83,757	92,470	92,769										
All	96,886	80,921	85,625	88,205	89,427	89,559	100,759	94,274	97,714	101,254	110,050	111,399	119,946	83,897	92,995
Cumulative	92,875	92,238	94,247	95,755	97,232	98,941	101,423	101,609	103,901	106,199	108,465	107,396	103,576	87,205	92,995
<b>Selected</b>	<b>92,875</b>	<b>92,238</b>	<b>94,247</b>	<b>95,755</b>	<b>97,232</b>	<b>98,941</b>	<b>101,423</b>	<b>101,609</b>	<b>103,901</b>	<b>110,000</b>	<b>110,000</b>	<b>110,000</b>	<b>110,000</b>	<b>105,000</b>	<b>105,000</b>

Note (a): Ratio of 2019 level incremental payments (shown in Appendix E, Exhibit IV, Sheets 3a and 3b) and accepted reported claim counts (AAA only as shown in Appendix E, Exhibit IV, Sheets 2a and 2b).

**Accepted Reported Claim Counts - (Open Accepted Claims AAA Only)**

Year of Birth	3	15	27	39	51	63	75	87	99	111	123	135	147	159	171	183
1989				8	8	9	8	8	8	8	8	7	6	6	5	5
1990			3	7	7	7	7	7	7	7	7	7	7	7	7	7
1991		1	1	3	4	4	4	4	4	4	4	4	4	4	4	4
1992	-	2	4	12	13	13	12	12	12	11	11	11	11	11	11	10
1993	-	2	5	11	12	11	11	11	11	11	11	11	11	11	10	9
1994	-	2	2	5	6	6	7	7	5	4	4	4	4	4	4	4
1995	-	-	3	6	6	6	6	5	5	5	5	5	5	5	5	5
1996	-	2	3	4	5	6	6	6	6	6	6	6	6	6	6	6
1997	-	1	7	8	7	8	9	9	9	9	9	9	9	9	9	9
1998	-	4	7	9	12	11	12	12	12	12	12	12	12	12	12	12
1999	-	3	3	3	7	8	8	8	7	7	7	7	7	6	6	5
2000	-	2	4	5	5	5	5	5	5	5	5	5	5	5	5	5
2001	-	-	1	2	2	4	4	4	4	4	4	4	4	4	4	4
2002	-	2	5	11	13	13	15	15	15	15	15	15	14	14	14	13
2003	-	-	-	2	3	3	3	3	3	3	3	3	3	3	3	3
2004	-	1	3	3	4	5	5	5	5	5	5	5	5	5	5	5
2005	-	1	5	7	10	10	10	10	9	8	7	7	7	7	7	
2006	-	1	3	6	9	10	10	10	10	10	10	10	9	9		
2007	-	-	3	7	7	8	8	8	8	8	8	7	7			
2008	-	1	5	8	9	9	10	10	10	10	9	9				
2009	-	1	6	8	9	10	10	10	10	10	10					
2010	-	1	3	6	6	6	6	5	5	5						
2011	-	2	6	9	11	10	10	10	10							
2012	-	2	3	7	7	7	7	7								
2013	1	2	5	6	7	7	7									
2014	-	3	8	12	12	12										
2015	-	1	3	9	10											
2016	-	-	2	3												
2017	-	1	7													
2018	-	5														
2019	-															
Totals:																
Latest 3	-	6	12	24	29	26	24	22	25	25	27	26	23	21	15	21
Latest 5	-	10	25	37	47	42	40	42	43	43	44	38	31	38	33	30
Latest 10	1	18	48	75	87	89	83	78	85	78	76	72	73	74	71	67
All	1	43	110	187	211	208	200	191	180	167	160	148	136	128	117	106
Cumulative	3,008	3,007	2,964	2,854	2,667	2,456	2,248	2,048	1,857	1,677	1,510	1,350	1,202	1,066	938	821

**Accepted Reported Claim Counts - (Open Accepted Claims AAA Only)**

Year of Birth	195	207	219	231	243	255	267	279	291	303	315	327	339	351	363
1989	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4
1990	6	5	4	4	4	4	4	4	4	3	3	3	3	3	
1991	4	4	4	4	4	4	4	4	4	4	4	4	4		
1992	10	10	9	9	9	9	9	9	9	9	9	9			
1993	8	8	8	8	8	8	8	8	8	8	8				
1994	4	4	4	4	4	4	4	4	4	4					
1995	5	5	5	5	5	5	5	5	5						
1996	6	6	6	6	6	6	6	6							
1997	9	8	8	8	8	8	8								
1998	12	12	12	12	11	11									
1999	4	4	4	3	3										
2000	5	5	5	5											
2001	4	4	4												
2002	13	13													
2003	3														
2004															
2005															
2006															
2007															
2008															
2009															
2010															
2011															
2012															
2013															
2014															
2015															
2016															
2017															
2018															
2019															
Totals:															
Latest 3	20	22	13	20	22	25	19	15	17	21	21	16			
Latest 5	29	38	33	34	33	34	31	32	30	28					
Latest 10	65	69	65	64	62										
All	98	93	78	73	67	64	53	45	39	33	29	21	11	7	4
Cumulative	715	617	524	446	373	306	242	189	144	105	72	43	22	11	4

**Incremental Payments - 2019 Level (a)**

Year of Birth	3	15	27	39	51	63	75	87	99	111	123	135	147	159	171	183
1989				2,096,679	1,194,355	1,470,970	651,812	506,450	599,435	826,025	461,967	489,825	1,769,727	313,939	561,300	425,125
1990			556,832	831,008	81,338	434,723	271,367	209,533	116,226	152,698	96,436	95,511	135,776	186,211	320,805	353,902
1991		3,096	318,270	54,972	571,572	437,395	185,165	125,776	64,953	50,072	145,322	130,632	180,615	156,182	149,375	178,838
1992	0	16,895	344,305	944,721	1,344,339	618,727	460,835	364,839	337,726	253,288	301,107	342,823	468,950	427,219	406,757	386,379
1993	0	2,514	315,520	1,025,277	901,172	1,213,383	1,016,441	1,099,432	1,041,790	1,065,173	1,101,328	961,582	858,912	1,092,824	1,042,319	789,655
1994	0	278,933	773,794	680,344	676,500	360,448	1,029,382	393,684	437,210	251,440	74,280	299,624	654,371	82,948	93,450	190,680
1995	0	3,555	180,149	859,190	567,414	103,978	136,220	194,353	120,373	259,316	289,370	894,831	333,385	451,282	505,280	132,637
1996	0	6,017	877,065	305,960	735,687	380,009	906,819	588,734	355,776	406,536	424,458	349,293	418,589	364,137	406,196	477,034
1997	0	17,184	778,931	515,329	389,075	559,799	897,342	520,948	401,370	417,038	286,825	497,778	661,434	743,518	646,740	659,343
1998	0	45,892	989,610	1,054,964	1,026,733	658,234	554,704	1,688,970	751,910	915,071	689,917	948,529	973,465	1,103,387	1,101,224	1,064,925
1999	0	700,979	620,111	413,488	754,475	787,416	598,764	491,347	808,214	1,145,417	774,486	672,633	833,002	764,036	560,176	678,294
2000	0	435,061	662,287	696,923	614,130	362,288	255,560	173,102	214,226	191,616	169,783	330,485	258,309	248,611	332,450	323,245
2001	0	155,219	498,707	833,006	571,028	514,182	1,076,367	575,311	349,257	265,625	326,465	343,550	383,270	488,023	464,455	547,855
2002	0	158,839	717,730	914,250	877,080	1,049,494	779,104	1,616,389	1,043,459	1,053,635	922,665	1,118,907	1,297,169	1,090,560	1,154,616	1,094,056
2003	0	277,135	345,199	131,370	140,294	388,863	651,959	196,169	187,953	298,102	293,741	268,050	420,697	457,322	388,726	375,080
2004	0	4,804	452,671	771,104	574,998	341,720	514,492	425,884	402,057	205,297	345,162	350,402	329,067	298,289	310,902	380,429
2005	0	30	29,167	939,424	942,667	627,127	1,267,524	782,358	639,018	510,650	478,696	464,183	459,243	513,811	527,240	
2006	0	2,347	348,721	434,758	1,038,158	792,016	1,904,991	859,629	731,789	627,789	631,616	729,547	755,004	651,633		
2007	0	139,331	541,996	931,126	1,139,699	892,951	1,096,832	957,395	902,984	946,780	912,704	881,072	851,208			
2008	0	6,288	416,054	666,711	703,467	392,388	396,784	601,739	660,620	725,536	785,654	590,693				
2009	0	359,234	429,799	1,092,695	974,864	554,889	574,536	808,312	1,387,948	581,142	653,507					
2010	0	126,078	980,858	189,364	658,667	241,339	165,927	254,058	186,512	178,864						
2011	0	18,563	208,923	1,038,509	526,748	815,667	705,481	661,815	623,140							
2012	60	23,169	249,166	769,375	724,462	419,485	277,445	432,070								
2013	0	137,364	804,238	1,060,559	711,613	625,637	645,474									
2014	0	170,441	820,132	988,897	1,406,244	1,088,207										
2015	0	619	528,460	1,027,882	1,333,045											
2016	0	369,617	143,488	78,097												
2017	0	171,487	466,999													
2018	0	154,648														
2019	0															
<b>Totals:</b>																
Latest 3	0	695,753	1,138,947	2,094,877	3,450,902	2,133,328	1,628,399	1,347,944	2,197,600	1,485,542	2,351,865	2,201,312	2,065,455	1,463,733	1,226,868	1,849,565
Latest 5	0	866,813	2,763,318	3,924,811	4,702,112	3,190,334	2,368,862	2,757,995	3,761,204	3,060,111	3,462,177	3,015,897	2,815,219	3,011,614	2,845,939	2,720,665
Latest 10	60	1,531,222	5,048,118	7,843,216	9,216,967	6,449,703	7,549,484	5,979,431	6,765,480	5,393,420	5,519,992	5,749,521	6,560,435	6,359,190	5,892,725	5,732,897
All	60	3,785,340	14,399,183	21,345,985	21,179,823	16,131,332	17,021,326	14,528,300	12,363,945	11,327,110	10,165,488	10,759,949	12,042,193	9,433,932	8,972,010	8,057,477
Cumulative	257,919,392	257,919,332	254,133,992	239,734,809	218,388,824	197,209,001	181,077,669	164,056,343	149,528,043	137,164,098	125,836,988	115,671,500	104,911,551	92,869,357	83,435,426	74,463,416

Notes: (a) The product of actual incremental payments (shown in Appendix E, Exhibit IV, Sheets 5a and 5b) and adjustment factors to 2019 level (shown in Appendix E, Exhibit IV, Sheets 4a and 4b).

**Incremental Payments - 2019 Level (a)**

Year of Birth	195	207	219	231	243	255	267	279	291	303	315	327	339	351	363
1989	486,149	525,206	456,612	393,735	239,981	302,826	291,127	472,411	440,504	600,887	567,199	650,978	555,859	325,324	371,979
1990	385,757	352,561	154,648	127,170	116,023	151,391	126,257	153,928	250,435	317,431	205,264	191,441	194,862	261,952	
1991	176,142	365,427	623,291	545,015	550,169	429,389	985,737	497,782	568,475	509,679	507,190	593,890	568,686		
1992	445,055	496,288	531,873	738,036	662,542	565,230	903,503	918,873	851,186	845,156	924,307	903,070			
1993	779,288	713,111	837,423	762,851	864,996	1,060,116	988,822	875,733	882,186	823,420	987,502				
1994	159,066	182,907	148,987	147,514	234,764	272,126	254,878	253,307	281,772	244,822					
1995	1,423,261	340,119	373,629	639,056	663,501	629,811	747,713	593,930	536,297						
1996	480,414	333,463	400,538	398,357	402,681	439,156	464,032	476,376							
1997	1,024,319	622,124	547,120	597,899	586,800	519,152	578,131								
1998	1,419,527	1,300,051	1,292,511	1,344,912	1,288,268	1,362,555									
1999	673,521	507,031	492,782	392,719	381,916										
2000	275,311	314,716	309,942	351,710											
2001	452,767	438,497	509,410												
2002	1,009,539	1,034,145													
2003	304,755														
2004															
2005															
2006															
2007															
2008															
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2011															
2012															
2013															
2014															
2015															
2016															
2017															
2018															
2019															
Totals:															
Latest 3	1,767,061	1,787,358	1,312,134	2,089,341	2,256,984	2,320,864	1,789,876	1,323,613	1,700,256	1,913,398	2,418,999	1,688,400			
Latest 5	2,715,893	3,594,439	3,151,765	3,085,597	3,323,166	3,222,801	3,033,576	3,118,219	3,119,916	2,740,507					
Latest 10	7,222,480	5,786,162	5,444,215	5,918,068	5,751,660										
All	9,494,872	7,525,645	6,678,765	6,438,973	5,991,641	5,731,753	5,340,201	4,242,340	3,810,855	3,341,394	3,191,461	2,339,378	1,319,407	587,277	371,979
Cumulative	66,405,939	56,911,067	49,385,422	42,706,657	36,267,685	30,276,044	24,544,291	19,204,091	14,961,751	11,150,896	7,809,502	4,618,041	2,278,663	959,255	371,979

Notes: (a) The product of actual incremental payments (shown in Appendix E, Exh bit IV, Sheets 5a and 5b) and adjustment factors to 2019 level (shown in Appendix E, Exhibit IV, Sheets 4a and 4b).

**Adjustment Factors to 2019 Level (a)**

Year of Birth	3	15	27	39	51	63	75	87	99	111	123	135	147	159	171	183
1989	1.531	1.504	1.479	1.458	1.436	1.415	1.397	1.383	1.369	1.357	1.344	1.331	1.318	1.304	1.289	1.275
1990	1.504	1.479	1.458	1.436	1.415	1.397	1.383	1.369	1.357	1.344	1.331	1.318	1.304	1.289	1.275	1.257
1991	1.479	1.458	1.436	1.415	1.397	1.383	1.369	1.357	1.344	1.331	1.318	1.304	1.289	1.275	1.257	1.241
1992	1.458	1.436	1.415	1.397	1.383	1.369	1.357	1.344	1.331	1.318	1.304	1.289	1.275	1.257	1.241	1.228
1993	1.436	1.415	1.397	1.383	1.369	1.357	1.344	1.331	1.318	1.304	1.289	1.275	1.257	1.241	1.228	1.214
1994	1.415	1.397	1.383	1.369	1.357	1.344	1.331	1.318	1.304	1.289	1.275	1.257	1.241	1.228	1.214	1.104
1995	1.397	1.383	1.369	1.357	1.344	1.331	1.318	1.304	1.289	1.275	1.257	1.241	1.228	1.214	1.104	1.059
1996	1.383	1.369	1.357	1.344	1.331	1.318	1.304	1.289	1.275	1.257	1.241	1.228	1.214	1.104	1.059	1.050
1997	1.369	1.357	1.344	1.331	1.318	1.304	1.289	1.275	1.257	1.241	1.228	1.214	1.104	1.059	1.050	1.040
1998	1.357	1.344	1.331	1.318	1.304	1.289	1.275	1.257	1.241	1.228	1.214	1.104	1.059	1.050	1.040	1.033
1999	1.344	1.331	1.318	1.304	1.289	1.275	1.257	1.241	1.228	1.214	1.104	1.059	1.050	1.040	1.033	1.027
2000	1.331	1.318	1.304	1.289	1.275	1.257	1.241	1.228	1.214	1.104	1.059	1.050	1.040	1.033	1.027	1.022
2001	1.318	1.304	1.289	1.275	1.257	1.241	1.228	1.214	1.104	1.059	1.050	1.040	1.033	1.027	1.022	1.017
2002	1.304	1.289	1.275	1.257	1.241	1.228	1.214	1.104	1.059	1.050	1.040	1.033	1.027	1.022	1.017	1.010
2003	1.289	1.275	1.257	1.241	1.228	1.214	1.104	1.059	1.050	1.040	1.033	1.027	1.022	1.017	1.010	1.004
2004	1.275	1.257	1.241	1.228	1.214	1.104	1.059	1.050	1.040	1.033	1.027	1.022	1.017	1.010	1.004	1.000
2005	1.257	1.241	1.228	1.214	1.104	1.059	1.050	1.040	1.033	1.027	1.022	1.017	1.010	1.004	1.000	
2006	1.241	1.228	1.214	1.104	1.059	1.050	1.040	1.033	1.027	1.022	1.017	1.010	1.004	1.000		
2007	1.228	1.214	1.104	1.059	1.050	1.040	1.033	1.027	1.022	1.017	1.010	1.004	1.000			
2008	1.214	1.104	1.059	1.050	1.040	1.033	1.027	1.022	1.017	1.010	1.004	1.000				
2009	1.104	1.059	1.050	1.040	1.033	1.027	1.022	1.017	1.010	1.004	1.000					
2010	1.059	1.050	1.040	1.033	1.027	1.022	1.017	1.010	1.004	1.000						
2011	1.050	1.040	1.033	1.027	1.022	1.017	1.010	1.004	1.000							
2012	1.040	1.033	1.027	1.022	1.017	1.010	1.004	1.000								
2013	1.033	1.027	1.022	1.017	1.010	1.004	1.000									
2014	1.027	1.022	1.017	1.010	1.004	1.000										
2015	1.022	1.017	1.010	1.004	1.000											
2016	1.017	1.010	1.004	1.000												
2017	1.010	1.004	1.000													
2018	1.004	1.000														
2019	1.000															

Notes: (a) See Appendix E, Exhibit II, Sheet 3, Column (3).



**Adjustment Factors to 2019 Level (a)**

Year of Birth	195	207	219	231	243	255	267	279	291	303	315	327	339	351	363
1989	1.257	1.241	1.228	1.214	1.104	1.059	1.050	1.040	1.033	1.027	1.022	1.017	1.010	1.004	1.000
1990	1.241	1.228	1.214	1.104	1.059	1.050	1.040	1.033	1.027	1.022	1.017	1.010	1.004	1.000	
1991	1.228	1.214	1.104	1.059	1.050	1.040	1.033	1.027	1.022	1.017	1.010	1.004	1.000		
1992	1.214	1.104	1.059	1.050	1.040	1.033	1.027	1.022	1.017	1.010	1.004	1.000			
1993	1.104	1.059	1.050	1.040	1.033	1.027	1.022	1.017	1.010	1.004	1.000				
1994	1.059	1.050	1.040	1.033	1.027	1.022	1.017	1.010	1.004	1.000					
1995	1.050	1.040	1.033	1.027	1.022	1.017	1.010	1.004	1.000						
1996	1.040	1.033	1.027	1.022	1.017	1.010	1.004	1.000							
1997	1.033	1.027	1.022	1.017	1.010	1.004	1.000								
1998	1.027	1.022	1.017	1.010	1.004	1.000									
1999	1.022	1.017	1.010	1.004	1.000										
2000	1.017	1.010	1.004	1.000											
2001	1.010	1.004	1.000												
2002	1.004	1.000													
2003	1.000														
2004															
2005															
2006															
2007															
2008															
2009															
2010															
2011															
2012															
2013															
2014															
2015															
2016															
2017															
2018															

Notes: (a) See Appendix E, Exh bit II, Sheet 3, Column (3).

**Actual Incremental Payments (a)**

Year of Birth	3	15	27	39	51	63	75	87	99	111	123	135	147	159	171	183
1989				1,438,241	831,556	1,039,909	466,440	366,127	437,875	608,899	343,716	367,973	1,342,692	240,779	435,487	333,440
1990			381,965	578,580	57,502	311,090	196,179	153,060	85,675	113,611	72,446	72,464	104,135	144,473	251,618	281,501
1991		2,124	221,592	38,863	409,020	316,205	135,259	92,715	48,327	37,616	110,256	100,190	140,131	122,499	118,816	144,104
1992	0	11,763	243,408	676,047	971,861	451,968	339,702	271,450	253,711	192,170	230,937	265,981	367,813	339,819	327,756	314,668
1993	0	1,777	225,788	741,202	658,288	894,438	756,259	825,931	790,406	816,946	854,471	754,201	683,196	880,574	848,868	650,686
1994	0	199,606	559,398	496,978	498,678	268,183	773,307	298,688	335,323	195,081	58,260	238,327	527,278	67,553	77,004	172,757
1995	0	2,570	131,595	633,347	422,171	78,112	103,350	149,061	93,392	203,390	230,171	721,036	271,510	371,862	457,785	125,289
1996	0	4,395	646,523	227,642	552,673	288,313	695,495	456,772	279,047	323,367	342,019	284,465	344,923	329,909	383,692	454,372
1997	0	12,667	579,545	387,133	295,191	429,344	696,207	408,597	319,258	336,040	233,591	410,176	599,261	702,326	616,016	633,943
1998	0	34,145	743,429	800,401	787,464	510,694	435,073	1,343,441	605,873	745,237	568,501	859,370	919,533	1,050,969	1,058,802	1,031,341
1999	0	526,599	470,478	317,129	585,363	617,597	476,269	395,917	658,212	943,839	701,686	635,368	793,429	734,603	542,510	660,606
2000	0	330,081	507,948	540,711	481,683	288,171	205,925	140,975	176,525	173,605	160,376	314,785	248,358	240,771	323,781	316,432
2001	0	119,047	386,924	653,355	454,207	414,317	876,597	474,064	316,428	250,909	310,956	330,316	371,183	475,297	454,666	538,668
2002	0	123,236	562,940	727,213	706,732	854,711	641,992	1,464,453	985,649	1,003,581	887,121	1,083,620	1,263,344	1,067,574	1,135,254	1,083,562
2003	0	217,366	274,578	105,855	114,256	320,428	590,677	185,301	179,024	286,618	284,477	261,060	411,831	449,653	384,997	373,451
2004	0	3,821	364,753	627,990	473,806	309,599	485,988	405,652	386,569	198,823	336,161	343,017	323,548	295,428	309,552	380,429
2005	0	24	23,754	774,098	854,059	592,383	1,207,309	752,220	618,865	497,334	468,607	456,399	454,838	511,579	527,240	
2006	0	1,911	287,351	393,892	980,642	754,390	1,831,606	832,519	712,706	614,557	621,024	722,549	751,725	651,633		
2007	0	114,811	491,050	879,540	1,085,556	858,552	1,062,241	932,429	883,952	930,903	903,950	877,246	851,208			
2008	0	5,697	393,004	635,038	676,367	380,013	386,437	589,056	649,542	718,577	782,242	590,693				
2009	0	339,332	409,381	1,050,602	944,120	540,419	562,426	794,757	1,374,635	578,619	653,507					
2010	0	120,088	943,073	183,392	641,491	236,252	163,145	251,622	185,703	178,864						
2011	0	17,848	202,334	1,011,428	515,646	801,988	698,714	658,941	623,140							
2012	58	22,439	242,669	753,160	712,313	415,461	276,240	432,070								
2013	0	133,782	787,288	1,042,774	704,787	622,920	645,474									
2014	0	166,848	806,379	979,412	1,400,137	1,088,207										
2015	0	609	523,391	1,023,419	1,333,045											
2016	0	366,072	142,864	78,097												
2017	0	170,743	466,999													
2018	0	154,648														
2019	0															
<b>Totals:</b>																
Latest 3	0	691,463	1,133,255	2,080,928	3,437,970	2,126,588	1,620,428	1,342,633	2,183,477	1,476,059	2,339,699	2,190,488	2,057,771	1,458,640	1,221,789	1,837,442
Latest 5	0	858,920	2,726,922	3,876,861	4,665,929	3,164,828	2,345,999	2,726,447	3,716,971	3,021,520	3,429,330	2,989,903	2,793,150	2,975,867	2,811,708	2,692,542
Latest 10	58	1,492,410	4,917,383	7,636,861	8,994,106	6,290,585	7,319,579	5,834,569	6,599,785	5,258,784	5,408,421	5,615,052	6,388,998	6,179,834	5,736,509	5,598,093
All	58	3,204,050	12,020,402	17,795,538	18,148,616	13,683,664	14,708,310	12,675,820	10,999,837	9,948,585	9,154,475	9,689,235	10,769,937	8,677,302	8,253,843	7,495,249

Note: (a) See actual payments as shown in Appendix E, Exh bit IV, Sheets 6a and 6b.

**Actual Incremental Payments (a)**

Year of Birth	195	207	219	231	243	255	267	279	291	303	315	327	339	351	363
1989	386,693	423,200	371,866	324,443	217,423	286,049	277,296	454,213	426,612	585,218	555,244	640,061	550,527	323,911	371,979
1990	310,835	287,127	127,432	115,216	109,595	144,199	121,394	149,073	243,905	310,741	201,822	189,604	194,016	261,952	
1991	143,451	301,117	564,703	514,820	524,033	412,848	954,650	484,801	556,493	501,132	502,325	591,311	568,686		
1992	366,731	449,638	502,406	702,974	637,019	547,404	879,943	899,506	836,912	837,049	920,293	903,070			
1993	706,037	673,604	797,640	733,464	837,717	1,032,472	967,981	861,047	873,725	819,844	987,502				
1994	150,253	174,218	143,247	142,862	228,642	266,391	250,604	250,877	280,549	244,822					
1995	1,355,648	327,016	361,846	622,391	649,517	619,250	740,541	591,351	536,297						
1996	461,908	322,946	390,093	389,961	395,929	434,944	462,017	476,376							
1997	992,016	605,901	535,588	587,873	581,171	516,898	578,131								
1998	1,382,510	1,272,650	1,270,837	1,332,012	1,282,673	1,362,555									
1999	659,326	498,528	488,055	391,014	381,916										
2000	270,694	311,697	308,596	351,710											
2001	448,424	436,592	509,410												
2002	1,005,155	1,034,145													
2003	304,755														
2004															
2005															
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2017															
2018															
2019															
Totals:															
Latest 3	1,758,334	1,782,435	1,306,061	2,074,735	2,245,760	2,314,397	1,780,689	1,318,604	1,690,570	1,901,715	2,410,120	1,683,985			
Latest 5	2,688,353	3,553,613	3,112,486	3,052,569	3,291,206	3,200,037	2,999,274	3,079,157	3,083,975	2,713,587					
Latest 10	7,030,688	5,657,298	5,307,719	5,769,080	5,628,212										
All	8,944,435	7,118,380	6,371,720	6,208,739	5,845,635	5,623,009	5,232,557	4,167,245	3,754,491	3,298,805	3,167,186	2,324,046	1,313,229	585,864	371,979

Note: (a) See actual payments as shown in Appendix E, Exhibit IV, Sheets 6a and 6b.

**Paid Loss & ALAE - Actual (a)**

Year of Birth	3	15	27	39	51	63	75	87	99	111	123	135	147	159	171	183
1989				1,438,241	2,269,797	3,309,706	3,776,146	4,142,273	4,580,148	5,189,047	5,532,763	5,900,736	7,243,428	7,484,207	7,919,694	8,253,134
1990			381,965	960,545	1,018,047	1,329,137	1,525,316	1,678,376	1,764,051	1,877,662	1,950,108	2,022,572	2,126,707	2,271,180	2,522,798	2,804,299
1991		2,124	223,716	262,579	671,599	987,804	1,123,063	1,215,778	1,264,105	1,301,721	1,411,977	1,512,167	1,652,298	1,774,797	1,893,613	2,037,717
1992	0	11,763	255,171	931,218	1,903,079	2,355,047	2,694,749	2,966,199	3,219,910	3,412,080	3,643,017	3,908,998	4,276,811	4,616,630	4,944,386	5,259,054
1993	0	1,777	227,565	968,767	1,627,055	2,521,493	3,277,752	4,103,683	4,894,089	5,711,035	6,565,506	7,319,707	8,002,903	8,883,477	9,732,345	10,383,031
1994	0	199,606	759,004	1,255,982	1,754,660	2,022,843	2,796,150	3,094,838	3,430,161	3,625,242	3,683,502	3,921,829	4,449,107	4,516,660	4,593,664	4,766,421
1995	0	2,570	134,165	767,512	1,189,683	1,267,795	1,371,145	1,520,206	1,613,598	1,816,988	2,047,159	2,768,195	3,039,705	3,411,567	3,869,352	3,994,641
1996	0	4,395	650,918	878,560	1,431,233	1,719,546	2,415,041	2,871,813	3,150,860	3,474,227	3,816,246	4,100,711	4,445,634	4,775,543	5,159,235	5,613,606
1997	0	12,667	592,212	979,345	1,274,536	1,703,880	2,400,087	2,808,684	3,127,942	3,463,982	3,697,573	4,107,749	4,707,010	5,409,336	6,025,352	6,659,295
1998	0	34,145	777,574	1,577,975	2,365,439	2,876,133	3,311,206	4,654,647	5,260,520	6,005,757	6,574,258	7,433,628	8,353,161	9,404,130	10,462,932	11,494,273
1999	0	526,599	997,077	1,314,206	1,899,569	2,517,166	2,993,435	3,389,352	4,047,564	4,991,403	5,693,089	6,328,457	7,121,886	7,856,490	8,399,000	9,059,606
2000	0	330,081	838,029	1,378,740	1,860,423	2,148,594	2,354,519	2,495,494	2,672,019	2,845,624	3,006,000	3,320,785	3,569,143	3,809,914	4,133,695	4,450,127
2001	0	119,047	505,971	1,159,326	1,613,533	2,027,850	2,904,447	3,378,511	3,694,939	3,945,848	4,256,804	4,587,119	4,958,302	5,433,600	5,888,265	6,426,933
2002	0	123,236	686,176	1,413,389	2,120,121	2,974,832	3,616,824	5,081,277	6,066,926	7,070,507	7,957,628	9,041,249	10,304,592	11,372,167	12,507,420	13,590,982
2003	0	217,366	491,944	597,799	712,055	1,032,483	1,623,160	1,808,461	1,987,485	2,274,103	2,558,581	2,819,641	3,231,471	3,681,124	4,066,121	4,439,571
2004	0	3,821	368,574	996,564	1,470,370	1,779,969	2,265,957	2,671,609	3,058,178	3,257,001	3,593,162	3,936,179	4,259,727	4,555,155	4,864,707	5,245,136
2005	0	24	23,778	797,876	1,651,935	2,244,318	3,451,627	4,203,846	4,822,711	5,320,045	5,788,652	6,245,051	6,699,890	7,211,469	7,738,709	
2006	0	1,911	289,262	683,154	1,663,796	2,418,186	4,249,792	5,082,311	5,795,018	6,409,575	7,030,599	7,753,148	8,504,873	9,156,506		
2007	0	114,811	605,861	1,485,401	2,570,958	3,429,510	4,491,751	5,424,181	6,308,133	7,239,036	8,142,986	9,020,232	9,871,440			
2008	0	5,697	398,701	1,033,739	1,710,106	2,090,120	2,476,557	3,065,613	3,715,155	4,433,732	5,215,974	5,806,667				
2009	0	339,332	748,713	1,799,315	2,743,435	3,283,854	3,846,280	4,641,037	6,015,672	6,594,291	7,247,798					
2010	0	120,088	1,063,161	1,246,554	1,888,045	2,124,297	2,287,441	2,539,063	2,724,766	2,903,629						
2011	0	17,848	220,183	1,231,610	1,747,256	2,549,245	3,247,958	3,906,899	4,530,039							
2012	58	22,496	265,165	1,018,325	1,730,638	2,146,099	2,422,340	2,854,410								
2013	0	133,782	921,070	1,963,844	2,668,631	3,291,551	3,937,024									
2014	0	166,848	973,227	1,952,639	3,352,776	4,440,983										
2015	0	609	524,000	1,547,419	2,880,464											
2016	0	366,072	508,937	587,034												
2017	0	170,743	637,742													
2018	0	154,648														
2019	0															

Note: (a) See Exhibit IX, Sheets 6a - 1, 2, and 3.

**Paid Loss & ALAE - Actual (a)**

Year of Birth	195	207	219	231	243	255	267	279	291	303	315	327	339	351	363
1989	8,639,827	9,063,027	9,434,893	9,759,336	9,976,759	10,262,808	10,540,104	10,994,317	11,420,928	12,006,146	12,561,390	13,201,451	13,751,978	14,075,890	14,447,869
1990	3,115,134	3,402,261	3,529,693	3,644,909	3,754,504	3,898,703	4,020,097	4,169,170	4,413,075	4,723,816	4,925,637	5,115,242	5,309,257	5,571,210	
1991	2,181,168	2,482,285	3,046,988	3,561,808	4,085,841	4,498,689	5,453,340	5,938,141	6,494,634	6,995,766	7,498,091	8,089,402	8,658,088		
1992	5,625,785	6,075,423	6,577,829	7,280,804	7,917,823	8,465,227	9,345,170	10,244,676	11,081,588	11,918,637	12,838,930	13,742,000			
1993	11,089,068	11,762,672	12,560,312	13,293,776	14,131,492	15,163,964	16,131,945	16,992,992	17,866,717	18,686,561	19,674,063				
1994	4,916,674	5,090,892	5,234,139	5,377,001	5,605,643	5,872,034	6,122,638	6,373,515	6,654,064	6,898,885					
1995	5,350,289	5,677,305	6,039,151	6,661,543	7,311,060	7,930,309	8,670,850	9,262,201	9,798,498						
1996	6,075,514	6,398,460	6,788,554	7,178,514	7,574,443	8,009,387	8,471,404	8,947,780							
1997	7,651,311	8,257,212	8,792,800	9,380,673	9,961,845	10,478,742	11,056,873								
1998	12,876,783	14,149,433	15,420,270	16,752,281	18,034,955	19,397,510									
1999	9,718,932	10,217,460	10,705,515	11,096,529	11,478,445										
2000	4,720,821	5,032,518	5,341,114	5,692,824											
2001	6,875,357	7,311,949	7,821,359												
2002	14,596,137	15,630,282													
2003	4,744,326														
2004															
2005															
2006															
2007															
2008															
2009															
2010															
2011															
2012															
2013															
2014															
2015															
2016															
2017															
2018															
2019															

Note: (a) See Exhibit IX, Sheets 6a - 1, 2, and 3.

Adjusted q(x) (a)

Time (Year)	Adjusted q(x) BY 2005	Adjusted q(x) BY 2006	Adjusted q(x) BY 2007	Adjusted q(x) BY 2008	Adjusted q(x) BY 2009	Adjusted q(x) BY 2010	Adjusted q(x) BY 2011	Adjusted q(x) BY 2012	Adjusted q(x) BY 2013	Adjusted q(x) BY 2014	Adjusted q(x) BY 2015	Adjusted q(x) BY 2016	Adjusted q(x) BY 2017	Adjusted q(x) BY 2018	Adjusted q(x) BY 2019
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
0	0.0143	0.0116	0.0205	0.0084	0.0099	0.0047	0.0100	0.0076	0.0168	0.0181	0.0111	0.0274	0.0342	0.1823	0.1823
1	0.0146	0.0118	0.0209	0.0085	0.0101	0.0047	0.0102	0.0077	0.0170	0.0183	0.0112	0.0251	0.0254	0.0247	0.0247
2	0.0149	0.0121	0.0213	0.0087	0.0102	0.0048	0.0103	0.0078	0.0172	0.0186	0.0113	0.0253	0.0140	0.0183	0.0183
3	0.0152	0.0123	0.0217	0.0089	0.0104	0.0049	0.0105	0.0079	0.0175	0.0188	0.0115	0.0255	0.0142	0.0101	0.0101
4	0.0156	0.0126	0.0222	0.0091	0.0106	0.0050	0.0106	0.0080	0.0177	0.0191	0.0116	0.0257	0.0143	0.0102	0.0102
5	0.0159	0.0129	0.0227	0.0093	0.0109	0.0051	0.0108	0.0081	0.0179	0.0193	0.0118	0.0259	0.0145	0.0103	0.0103
6	0.0161	0.0131	0.0232	0.0095	0.0111	0.0052	0.0110	0.0083	0.0182	0.0196	0.0119	0.0261	0.0147	0.0105	0.0105
7	0.0164	0.0134	0.0237	0.0097	0.0114	0.0053	0.0113	0.0084	0.0185	0.0199	0.0121	0.0263	0.0149	0.0106	0.0106
8	0.0168	0.0136	0.0241	0.0099	0.0116	0.0054	0.0115	0.0086	0.0189	0.0203	0.0123	0.0265	0.0151	0.0108	0.0108
9	0.0171	0.0139	0.0245	0.0100	0.0118	0.0055	0.0118	0.0088	0.0193	0.0207	0.0125	0.0267	0.0153	0.0109	0.0109
10	0.0174	0.0141	0.0250	0.0102	0.0120	0.0056	0.0120	0.0090	0.0198	0.0211	0.0128	0.0269	0.0156	0.0111	0.0111
11	0.0177	0.0144	0.0255	0.0104	0.0123	0.0057	0.0123	0.0092	0.0202	0.0216	0.0130	0.0271	0.0159	0.0112	0.0112
12	0.0180	0.0146	0.0259	0.0106	0.0125	0.0058	0.0125	0.0094	0.0206	0.0221	0.0133	0.0273	0.0162	0.0114	0.0114
13	0.0183	0.0149	0.0264	0.0108	0.0127	0.0059	0.0127	0.0096	0.0210	0.0226	0.0136	0.0275	0.0165	0.0117	0.0117
14	0.0187	0.0152	0.0269	0.0110	0.0130	0.0061	0.0130	0.0097	0.0214	0.0230	0.0139	0.0277	0.0169	0.0119	0.0119
15	0.0191	0.0155	0.0274	0.0112	0.0132	0.0062	0.0132	0.0099	0.0218	0.0234	0.0142	0.0279	0.0173	0.0122	0.0122
16	0.0195	0.0158	0.0279	0.0114	0.0134	0.0063	0.0134	0.0101	0.0222	0.0239	0.0145	0.0281	0.0176	0.0125	0.0125
17	0.0199	0.0161	0.0285	0.0116	0.0137	0.0064	0.0137	0.0103	0.0226	0.0243	0.0147	0.0283	0.0178	0.0127	0.0127
18	0.0204	0.0165	0.0291	0.0119	0.0139	0.0065	0.0139	0.0105	0.0231	0.0248	0.0150	0.0285	0.0183	0.0130	0.0130
19	0.0208	0.0168	0.0297	0.0121	0.0142	0.0066	0.0142	0.0107	0.0235	0.0252	0.0153	0.0287	0.0187	0.0132	0.0132
20	0.0213	0.0172	0.0304	0.0124	0.0145	0.0068	0.0145	0.0109	0.0239	0.0257	0.0155	0.0289	0.0190	0.0134	0.0134
21	0.0218	0.0176	0.0311	0.0127	0.0149	0.0069	0.0148	0.0111	0.0243	0.0261	0.0158	0.0291	0.0194	0.0137	0.0137
22	0.0223	0.0180	0.0318	0.0129	0.0152	0.0071	0.0151	0.0113	0.0248	0.0266	0.0161	0.0293	0.0197	0.0140	0.0140
23	0.0229	0.0185	0.0325	0.0132	0.0155	0.0072	0.0154	0.0115	0.0253	0.0271	0.0164	0.0295	0.0201	0.0142	0.0142
24	0.0234	0.0189	0.0333	0.0135	0.0159	0.0074	0.0158	0.0118	0.0259	0.0277	0.0167	0.0297	0.0204	0.0145	0.0145
25	0.0240	0.0194	0.0341	0.0139	0.0163	0.0076	0.0161	0.0121	0.0264	0.0283	0.0171	0.0299	0.0208	0.0147	0.0147
26	0.0246	0.0198	0.0349	0.0142	0.0166	0.0077	0.0165	0.0123	0.0270	0.0289	0.0174	0.0301	0.0212	0.0150	0.0150
27	0.0253	0.0204	0.0358	0.0146	0.0170	0.0079	0.0169	0.0126	0.0276	0.0296	0.0178	0.0303	0.0217	0.0153	0.0153
28	0.0259	0.0209	0.0367	0.0149	0.0175	0.0081	0.0173	0.0129	0.0283	0.0302	0.0182	0.0305	0.0221	0.0156	0.0156
29	0.0267	0.0215	0.0377	0.0153	0.0179	0.0083	0.0177	0.0132	0.0289	0.0309	0.0186	0.0307	0.0226	0.0159	0.0159
30	0.0275	0.0221	0.0387	0.0157	0.0184	0.0085	0.0181	0.0135	0.0296	0.0316	0.0191	0.0310	0.0231	0.0163	0.0163
31	0.0283	0.0227	0.0398	0.0161	0.0188	0.0087	0.0186	0.0139	0.0303	0.0324	0.0195	0.0313	0.0236	0.0167	0.0167
32	0.0292	0.0234	0.0410	0.0166	0.0194	0.0090	0.0190	0.0142	0.0311	0.0332	0.0200	0.0315	0.0242	0.0170	0.0170
33	0.0301	0.0241	0.0422	0.0171	0.0199	0.0092	0.0195	0.0146	0.0319	0.0340	0.0205	0.0317	0.0247	0.0174	0.0174
34	0.0312	0.0249	0.0436	0.0176	0.0205	0.0095	0.0201	0.0150	0.0327	0.0348	0.0210	0.0320	0.0253	0.0178	0.0178
35	0.0323	0.0258	0.0450	0.0181	0.0211	0.0097	0.0206	0.0154	0.0335	0.0357	0.0215	0.0323	0.0259	0.0182	0.0182
36	0.0334	0.0267	0.0465	0.0187	0.0218	0.0100	0.0213	0.0158	0.0344	0.0367	0.0220	0.0325	0.0266	0.0187	0.0187
37	0.0347	0.0277	0.0481	0.0194	0.0225	0.0104	0.0219	0.0163	0.0354	0.0377	0.0226	0.0327	0.0272	0.0192	0.0192
38	0.0360	0.0287	0.0499	0.0201	0.0232	0.0107	0.0226	0.0168	0.0365	0.0387	0.0232	0.0329	0.0279	0.0196	0.0196
39	0.0375	0.0298	0.0518	0.0208	0.0241	0.0111	0.0233	0.0173	0.0376	0.0399	0.0239	0.0331	0.0287	0.0201	0.0201
40	0.0390	0.0310	0.0538	0.0216	0.0249	0.0114	0.0241	0.0178	0.0387	0.0411	0.0246	0.0333	0.0294	0.0207	0.0207
41	0.0406	0.0322	0.0559	0.0224	0.0259	0.0119	0.0250	0.0185	0.0400	0.0424	0.0253	0.0335	0.0303	0.0212	0.0212
42	0.0423	0.0335	0.0582	0.0233	0.0269	0.0123	0.0259	0.0191	0.0414	0.0437	0.0261	0.0337	0.0312	0.0218	0.0218
43	0.0441	0.0350	0.0605	0.0242	0.0280	0.0128	0.0269	0.0198	0.0428	0.0452	0.0270	0.0339	0.0321	0.0225	0.0225
44	0.0461	0.0365	0.0631	0.0252	0.0291	0.0133	0.0279	0.0205	0.0444	0.0468	0.0279	0.0341	0.0331	0.0231	0.0231
45	0.0481	0.0381	0.0658	0.0263	0.0303	0.0138	0.0290	0.0213	0.0461	0.0485	0.0289	0.0343	0.0342	0.0239	0.0239
46	0.0504	0.0398	0.0687	0.0274	0.0315	0.0144	0.0302	0.0222	0.0478	0.0504	0.0299	0.0345	0.0354	0.0247	0.0247
47	0.0528	0.0417	0.0718	0.0286	0.0329	0.0150	0.0314	0.0231	0.0497	0.0523	0.0311	0.0347	0.0366	0.0255	0.0255
48	0.0553	0.0436	0.0752	0.0299	0.0344	0.0156	0.0327	0.0240	0.0517	0.0544	0.0323	0.0349	0.0425	0.0379	0.0379
49	0.0581	0.0458	0.0787	0.0313	0.0359	0.0163	0.0341	0.0250	0.0538	0.0565	0.0335	0.0351	0.0431	0.0394	0.0394
50	0.0611	0.0480	0.0826	0.0328	0.0376	0.0171	0.0356	0.0261	0.0561	0.0589	0.0349	0.0353	0.0439	0.0409	0.0409
51	0.0643	0.0505	0.0867	0.0344	0.0394	0.0179	0.0373	0.0273	0.0585	0.0613	0.0363	0.0355	0.0447	0.0425	0.0425
52	0.0677	0.0532	0.0911	0.0361	0.0413	0.0187	0.0390	0.0285	0.0611	0.0640	0.0378	0.0357	0.0452	0.0436	0.0436
53	0.0714	0.0560	0.0959	0.0380	0.0433	0.0196	0.0408	0.0298	0.0639	0.0668	0.0395	0.0359	0.0460	0.0442	0.0442
54	0.0754	0.0591	0.1011	0.0400	0.0456	0.0206	0.0428	0.0312	0.0669	0.0699	0.0412	0.0361	0.0470	0.0460	0.0460
55	0.0795	0.0623	0.1066	0.0421	0.0480	0.0217	0.0450	0.0328	0.0700	0.0731	0.0431	0.0363	0.0480	0.0470	0.0470
56	0.0838	0.0657	0.1124	0.0444	0.0505	0.0228	0.0473	0.0344	0.0734	0.0766	0.0451	0.0365	0.0490	0.0480	0.0480
57	0.0886	0.0693	0.1186	0.0468	0.0533	0.0240	0.0497	0.0362	0.0771	0.0803	0.0472	0.0367	0.0500	0.0490	0.0490
58	0.0938	0.0733	0.1251	0.0494	0.0562	0.0253	0.0524	0.0381	0.0811	0.0843	0.0495	0.0369	0.0510	0.0494	0.0494
59	0.0994	0.0776	0.1322	0.0521	0.0593	0.0267	0.0553	0.0401	0.0853	0.0886	0.0520	0.0371	0.0520	0.0499	0.0499
60	0.1056	0.0822	0.1400	0.0551	0.0625	0.0282	0.0583	0.0423	0.0899	0.0933	0.0547	0.0373	0.0530	0.0509	0.0509

Note: (a) Assumed mortality rates by birth year are based on selected life expectancy as shown in Appendix E, Exhibit VII, Column (9).

Adjusted q(x) (a)

Time (Year)	Adjusted q(x) BY 2005	Adjusted q(x) BY 2006	Adjusted q(x) BY 2007	Adjusted q(x) BY 2008	Adjusted q(x) BY 2009	Adjusted q(x) BY 2010	Adjusted q(x) BY 2011	Adjusted q(x) BY 2012	Adjusted q(x) BY 2013	Adjusted q(x) BY 2014	Adjusted q(x) BY 2015	Adjusted q(x) BY 2016	Adjusted q(x) BY 2017	Adjusted q(x) BY 2018	Adjusted q(x) BY 2019
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
61	0.1123	0.0873	0.1484	0.0583	0.0661	0.0297	0.0615	0.0446	0.0948	0.0983	0.0575	0.0747	0.0659	0.0453	0.0453
62	0.1196	0.0929	0.1576	0.0618	0.0700	0.0314	0.0649	0.0471	0.1000	0.1037	0.0606	0.0786	0.0693	0.0475	0.0475
63	0.1276	0.0989	0.1676	0.0656	0.0742	0.0333	0.0686	0.0496	0.1055	0.1093	0.0639	0.0829	0.0729	0.0500	0.0500
64	0.1362	0.1055	0.1785	0.0698	0.0788	0.0353	0.0726	0.0525	0.1113	0.1153	0.0674	0.0874	0.0769	0.0526	0.0526
65	0.1455	0.1126	0.1904	0.0744	0.0838	0.0375	0.0769	0.0555	0.1176	0.1217	0.0711	0.0922	0.0811	0.0554	0.0554
66	0.1555	0.1203	0.2033	0.0793	0.0892	0.0398	0.0817	0.0589	0.1245	0.1285	0.0750	0.0972	0.0855	0.0584	0.0584
67	0.1665	0.1286	0.2171	0.0847	0.0952	0.0424	0.0869	0.0625	0.1320	0.1361	0.0793	0.1026	0.0902	0.0616	0.0616
68	0.1786	0.1377	0.2321	0.0904	0.1016	0.0453	0.0926	0.0665	0.1402	0.1443	0.0839	0.1084	0.0951	0.0650	0.0650
69	0.1917	0.1477	0.2485	0.0967	0.1085	0.0483	0.0987	0.0708	0.1491	0.1532	0.0890	0.1147	0.1005	0.0686	0.0686
70	0.2061	0.1586	0.2665	0.1035	0.1160	0.0516	0.1054	0.0756	0.1588	0.1630	0.0945	0.1216	0.1064	0.0725	0.0725
71	0.2217	0.1705	0.2861	0.1110	0.1242	0.0552	0.1126	0.0806	0.1694	0.1736	0.1005	0.1292	0.1128	0.0767	0.0767
72	0.2388	0.1834	0.3076	0.1192	0.1332	0.0591	0.1204	0.0861	0.1808	0.1852	0.1071	0.1374	0.1198	0.0813	0.0813
73	0.2573	0.1975	0.3309	0.1281	0.1430	0.0633	0.1289	0.0921	0.1931	0.1976	0.1142	0.1463	0.1274	0.0864	0.0864
74	0.2774	0.2128	0.3563	0.1378	0.1537	0.0680	0.1382	0.0986	0.2064	0.2111	0.1219	0.1561	0.1357	0.0919	0.0919
75	0.2992	0.2295	0.3840	0.1484	0.1654	0.0731	0.1484	0.1057	0.2210	0.2257	0.1302	0.1666	0.1448	0.0978	0.0978
76	0.3228	0.2475	0.4140	0.1599	0.1781	0.0786	0.1595	0.1135	0.2370	0.2416	0.1392	0.1779	0.1545	0.1044	0.1044
77	0.3483	0.2670	0.4466	0.1724	0.1920	0.0847	0.1716	0.1220	0.2545	0.2591	0.1490	0.1903	0.1651	0.1114	0.1114
78	0.3758	0.2881	0.4818	0.1860	0.2070	0.0913	0.1848	0.1313	0.2735	0.2782	0.1598	0.2037	0.1765	0.1190	0.1190
79	0.4053	0.3108	0.5198	0.2007	0.2232	0.0984	0.1991	0.1414	0.2943	0.2991	0.1716	0.2185	0.1889	0.1272	0.1272
80	0.4369	0.3352	0.5608	0.2165	0.2408	0.1061	0.2147	0.1524	0.3169	0.3218	0.1844	0.2345	0.2026	0.1362	0.1362
81	0.4704	0.3613	0.6048	0.2336	0.2599	0.1145	0.2316	0.1643	0.3415	0.3465	0.1984	0.2521	0.2176	0.1461	0.1461
82	0.5055	0.3891	0.6519	0.2519	0.2803	0.1235	0.2498	0.1772	0.3682	0.3734	0.2137	0.2712	0.2338	0.1568	0.1568
83	0.5419	0.4181	0.7020	0.2715	0.3023	0.1333	0.2695	0.1912	0.3972	0.4026	0.2303	0.2921	0.2516	0.1686	0.1686
84	0.5797	0.4482	0.7543	0.2924	0.3259	0.1437	0.2908	0.2063	0.4285	0.4342	0.2483	0.3148	0.2709	0.1814	0.1814
85	0.6189	0.4795	0.8087	0.3142	0.3509	0.1549	0.3136	0.2225	0.4623	0.4685	0.2678	0.3394	0.2920	0.1953	0.1953
86	0.6600	0.5119	0.8651	0.3368	0.3771	0.1668	0.3380	0.2400	0.4988	0.5054	0.2889	0.3660	0.3148	0.2104	0.2104
87	0.6841	0.5458	0.9236	0.3603	0.4043	0.1793	0.3640	0.2587	0.5379	0.5453	0.3117	0.3949	0.3395	0.2269	0.2269
88	0.6841	0.5658	0.9849	0.3847	0.4325	0.1922	0.3912	0.2786	0.5798	0.5881	0.3363	0.4261	0.3663	0.2447	0.2447
89	0.6841	0.5658	1.0000	0.4102	0.4617	0.2056	0.4193	0.2993	0.6244	0.6339	0.3627	0.4597	0.3952	0.2640	0.2640
90	0.6841	0.5658	1.0000	0.4252	0.4923	0.2195	0.4486	0.3209	0.6709	0.6826	0.3909	0.4958	0.4264	0.2849	0.2849
91	0.6841	0.5658	1.0000	0.4252	0.5103	0.2341	0.4789	0.3433	0.7193	0.7335	0.4210	0.5344	0.4599	0.3074	0.3074
92	0.6841	0.5658	1.0000	0.4252	0.5103	0.2426	0.5107	0.3665	0.7694	0.7864	0.4524	0.5755	0.4957	0.3315	0.3315
93	0.6841	0.5658	1.0000	0.4252	0.5103	0.2426	0.5294	0.3908	0.8215	0.8412	0.4850	0.6183	0.5338	0.3573	0.3573
94	0.6841	0.5658	1.0000	0.4252	0.5103	0.2426	0.5294	0.4051	0.8759	0.8981	0.5188	0.6629	0.5735	0.3848	0.3848
95	0.6841	0.5658	1.0000	0.4252	0.5103	0.2426	0.5294	0.4051	0.9080	0.9577	0.5539	0.7091	0.6149	0.4134	0.4134
96	0.6841	0.5658	1.0000	0.4252	0.5103	0.2426	0.5294	0.4051	0.9080	0.9927	0.5906	0.7571	0.6578	0.4432	0.4432
97	0.6841	0.5658	1.0000	0.4252	0.5103	0.2426	0.5294	0.4051	0.9080	0.9927	0.6122	0.8073	0.7023	0.4741	0.4741
98	0.6841	0.5658	1.0000	0.4252	0.5103	0.2426	0.5294	0.4051	0.9080	0.9927	0.6122	0.8368	0.7488	0.5062	0.5062
99	0.6841	0.5658	1.0000	0.4252	0.5103	0.2426	0.5294	0.4051	0.9080	0.9927	0.6122	0.8368	0.7762	0.5398	0.5398
100	0.6841	0.5658	1.0000	0.4252	0.5103	0.2426	0.5294	0.4051	0.9080	0.9927	0.6122	0.8368	0.7762	0.5595	0.5595
101	0.6841	0.5658	1.0000	0.4252	0.5103	0.2426	0.5294	0.4051	0.9080	0.9927	0.6122	0.8368	0.7762	0.5595	0.5595
102	0.6841	0.5658	1.0000	0.4252	0.5103	0.2426	0.5294	0.4051	0.9080	0.9927	0.6122	0.8368	0.7762	0.5595	0.5595
103	0.6841	0.5658	1.0000	0.4252	0.5103	0.2426	0.5294	0.4051	0.9080	0.9927	0.6122	0.8368	0.7762	0.5595	0.5595
104	0.6841	0.5658	1.0000	0.4252	0.5103	0.2426	0.5294	0.4051	0.9080	0.9927	0.6122	0.8368	0.7762	0.5595	0.5595
105	0.6841	0.5658	1.0000	0.4252	0.5103	0.2426	0.5294	0.4051	0.9080	0.9927	0.6122	0.8368	0.7762	0.5595	0.5595
106	0.6841	0.5658	1.0000	0.4252	0.5103	0.2426	0.5294	0.4051	0.9080	0.9927	0.6122	0.8368	0.7762	0.5595	0.5595
107	1.0000	0.5658	1.0000	0.4252	0.5103	0.2426	0.5294	0.4051	0.9080	0.9927	0.6122	0.8368	0.7762	0.5595	0.5595
108	1.0000	1.0000	1.0000	0.4252	0.5103	0.2426	0.5294	0.4051	0.9080	0.9927	0.6122	0.8368	0.7762	0.5595	0.5595
109	1.0000	1.0000	1.0000	0.4252	0.5103	0.2426	0.5294	0.4051	0.9080	0.9927	0.6122	0.8368	0.7762	0.5595	0.5595
110	1.0000	1.0000	1.0000	1.0000	0.5103	0.2426	0.5294	0.4051	0.9080	0.9927	0.6122	0.8368	0.7762	0.5595	0.5595
111	1.0000	1.0000	1.0000	1.0000	1.0000	0.2426	0.5294	0.4051	0.9080	0.9927	0.6122	0.8368	0.7762	0.5595	0.5595
112	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.5294	0.4051	0.9080	0.9927	0.6122	0.8368	0.7762	0.5595	0.5595
113	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.4051	0.9080	0.9927	0.6122	0.8368	0.7762	0.5595	0.5595
114	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9080	0.9927	0.6122	0.8368	0.7762	0.5595	0.5595
115	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9927	0.6122	0.8368	0.7762	0.5595	0.5595
116	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.6122	0.8368	0.7762	0.5595	0.5595
117	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.8368	0.7762	0.5595	0.5595
118	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.7762	0.5595	0.5595
119	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.5595	0.5595
120	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Note: (a) Assumed mortality rates by birth year are based on selected life expectancy as shown in Appendix E, Exhibit VII, Column (9).

Adjusted q(x) (a)

Time (Year)	Adjusted q(x) BY 1989	Adjusted q(x) BY 1990	Adjusted q(x) BY 1991	Adjusted q(x) BY 1992	Adjusted q(x) BY 1993	Adjusted q(x) BY 1994	Adjusted q(x) BY 1995	Adjusted q(x) BY 1996	Adjusted q(x) BY 1997	Adjusted q(x) BY 1998	Adjusted q(x) BY 1999	Adjusted q(x) BY 2000	Adjusted q(x) BY 2001	Adjusted q(x) BY 2002	Adjusted q(x) BY 2003	Adjusted q(x) BY 2004
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
0	0.0171	0.0322	0.0114	0.0123	0.0135	0.0094	0.0104	0.0211	0.0098	0.0117	0.0172	0.0241	0.0115	0.0144	0.0268	0.0098
1	0.0175	0.0329	0.0116	0.0125	0.0138	0.0096	0.0106	0.0215	0.0099	0.0119	0.0175	0.0246	0.0118	0.0147	0.0274	0.0100
2	0.0178	0.0336	0.0119	0.0128	0.0140	0.0097	0.0108	0.0218	0.0101	0.0121	0.0178	0.0250	0.0120	0.0150	0.0280	0.0102
3	0.0183	0.0344	0.0122	0.0130	0.0143	0.0099	0.0110	0.0222	0.0103	0.0123	0.0181	0.0255	0.0122	0.0152	0.0285	0.0104
4	0.0187	0.0352	0.0124	0.0133	0.0146	0.0101	0.0112	0.0226	0.0105	0.0125	0.0185	0.0260	0.0124	0.0155	0.0291	0.0106
5	0.0191	0.0360	0.0127	0.0136	0.0150	0.0104	0.0115	0.0231	0.0107	0.0128	0.0188	0.0264	0.0127	0.0158	0.0296	0.0108
6	0.0195	0.0368	0.0130	0.0139	0.0153	0.0106	0.0117	0.0236	0.0109	0.0130	0.0191	0.0269	0.0129	0.0161	0.0301	0.0110
7	0.0200	0.0377	0.0133	0.0142	0.0157	0.0108	0.0120	0.0241	0.0111	0.0133	0.0195	0.0274	0.0131	0.0164	0.0307	0.0112
8	0.0205	0.0386	0.0136	0.0146	0.0160	0.0111	0.0122	0.0246	0.0114	0.0135	0.0199	0.0279	0.0134	0.0167	0.0313	0.0114
9	0.0210	0.0395	0.0139	0.0149	0.0164	0.0113	0.0125	0.0252	0.0116	0.0138	0.0203	0.0284	0.0136	0.0170	0.0318	0.0116
10	0.0216	0.0405	0.0143	0.0153	0.0168	0.0116	0.0128	0.0257	0.0119	0.0141	0.0207	0.0290	0.0139	0.0173	0.0324	0.0118
11	0.0221	0.0415	0.0146	0.0157	0.0172	0.0119	0.0131	0.0263	0.0121	0.0145	0.0212	0.0297	0.0142	0.0176	0.0330	0.0121
12	0.0227	0.0426	0.0150	0.0160	0.0176	0.0122	0.0134	0.0269	0.0124	0.0148	0.0217	0.0303	0.0145	0.0180	0.0336	0.0123
13	0.0234	0.0438	0.0154	0.0165	0.0180	0.0125	0.0137	0.0276	0.0127	0.0151	0.0221	0.0310	0.0148	0.0184	0.0343	0.0125
14	0.0241	0.0450	0.0158	0.0169	0.0185	0.0128	0.0141	0.0282	0.0130	0.0155	0.0226	0.0317	0.0151	0.0188	0.0351	0.0128
15	0.0248	0.0464	0.0163	0.0173	0.0190	0.0131	0.0144	0.0289	0.0133	0.0158	0.0232	0.0324	0.0155	0.0192	0.0359	0.0131
16	0.0256	0.0478	0.0167	0.0178	0.0195	0.0134	0.0148	0.0296	0.0136	0.0162	0.0237	0.0332	0.0158	0.0197	0.0367	0.0133
17	0.0264	0.0493	0.0173	0.0184	0.0200	0.0138	0.0152	0.0304	0.0140	0.0166	0.0243	0.0339	0.0162	0.0201	0.0375	0.0136
18	0.0273	0.0509	0.0178	0.0189	0.0206	0.0142	0.0156	0.0312	0.0143	0.0170	0.0249	0.0348	0.0166	0.0206	0.0383	0.0139
19	0.0283	0.0526	0.0184	0.0195	0.0213	0.0146	0.0160	0.0320	0.0147	0.0175	0.0255	0.0356	0.0170	0.0211	0.0392	0.0143
20	0.0293	0.0545	0.0190	0.0202	0.0219	0.0150	0.0165	0.0330	0.0151	0.0179	0.0262	0.0365	0.0174	0.0216	0.0401	0.0146
21	0.0304	0.0564	0.0197	0.0208	0.0227	0.0155	0.0170	0.0339	0.0155	0.0184	0.0268	0.0374	0.0178	0.0221	0.0411	0.0149
22	0.0316	0.0586	0.0204	0.0216	0.0234	0.0160	0.0175	0.0350	0.0160	0.0189	0.0276	0.0384	0.0183	0.0227	0.0421	0.0153
23	0.0328	0.0608	0.0212	0.0224	0.0242	0.0166	0.0181	0.0361	0.0165	0.0195	0.0284	0.0395	0.0187	0.0232	0.0432	0.0157
24	0.0341	0.0632	0.0220	0.0232	0.0251	0.0172	0.0187	0.0372	0.0170	0.0201	0.0292	0.0406	0.0193	0.0238	0.0443	0.0161
25	0.0355	0.0658	0.0228	0.0241	0.0261	0.0178	0.0194	0.0385	0.0176	0.0207	0.0301	0.0418	0.0198	0.0245	0.0455	0.0165
26	0.0370	0.0685	0.0238	0.0250	0.0271	0.0185	0.0201	0.0398	0.0182	0.0214	0.0310	0.0430	0.0204	0.0252	0.0467	0.0169
27	0.0386	0.0714	0.0247	0.0261	0.0282	0.0192	0.0208	0.0413	0.0188	0.0221	0.0320	0.0444	0.0210	0.0259	0.0480	0.0174
28	0.0404	0.0744	0.0258	0.0271	0.0293	0.0199	0.0216	0.0429	0.0195	0.0229	0.0331	0.0458	0.0217	0.0267	0.0494	0.0179
29	0.0422	0.0777	0.0269	0.0283	0.0305	0.0207	0.0225	0.0445	0.0202	0.0237	0.0343	0.0474	0.0224	0.0276	0.0509	0.0184
30	0.0441	0.0813	0.0281	0.0295	0.0318	0.0216	0.0234	0.0463	0.0210	0.0246	0.0355	0.0491	0.0231	0.0285	0.0525	0.0189
31	0.0462	0.0850	0.0294	0.0308	0.0331	0.0225	0.0244	0.0481	0.0218	0.0256	0.0369	0.0509	0.0239	0.0294	0.0542	0.0195
32	0.0485	0.0891	0.0307	0.0322	0.0346	0.0235	0.0254	0.0501	0.0227	0.0266	0.0383	0.0528	0.0248	0.0305	0.0561	0.0202
33	0.0509	0.0934	0.0322	0.0337	0.0362	0.0245	0.0265	0.0522	0.0236	0.0277	0.0398	0.0548	0.0258	0.0316	0.0581	0.0209
34	0.0535	0.0981	0.0337	0.0353	0.0379	0.0256	0.0277	0.0545	0.0246	0.0288	0.0414	0.0570	0.0267	0.0328	0.0602	0.0216
35	0.0563	0.1031	0.0354	0.0370	0.0396	0.0268	0.0289	0.0569	0.0257	0.0300	0.0431	0.0593	0.0278	0.0340	0.0624	0.0224
36	0.0594	0.1085	0.0372	0.0388	0.0416	0.0281	0.0303	0.0595	0.0268	0.0313	0.0449	0.0617	0.0289	0.0354	0.0649	0.0232
37	0.0626	0.1143	0.0392	0.0408	0.0437	0.0294	0.0317	0.0622	0.0281	0.0327	0.0469	0.0643	0.0301	0.0368	0.0674	0.0241
38	0.0660	0.1206	0.0413	0.0430	0.0459	0.0309	0.0332	0.0652	0.0294	0.0342	0.0490	0.0671	0.0314	0.0383	0.0701	0.0251
39	0.0696	0.1272	0.0436	0.0453	0.0483	0.0325	0.0349	0.0683	0.0307	0.0357	0.0512	0.0701	0.0327	0.0399	0.0730	0.0261
40	0.0735	0.1341	0.0459	0.0478	0.0509	0.0342	0.0367	0.0717	0.0322	0.0374	0.0535	0.0732	0.0342	0.0416	0.0761	0.0272
41	0.0776	0.1415	0.0485	0.0504	0.0537	0.0360	0.0386	0.0754	0.0338	0.0393	0.0561	0.0766	0.0357	0.0435	0.0794	0.0283
42	0.0822	0.1495	0.0511	0.0531	0.0566	0.0380	0.0407	0.0794	0.0356	0.0412	0.0588	0.0803	0.0374	0.0455	0.0829	0.0295
43	0.0871	0.1583	0.0540	0.0560	0.0597	0.0401	0.0429	0.0837	0.0375	0.0433	0.0617	0.0842	0.0392	0.0476	0.0866	0.0308
44	0.0925	0.1678	0.0572	0.0592	0.0630	0.0422	0.0453	0.0882	0.0395	0.0456	0.0649	0.0884	0.0411	0.0498	0.0906	0.0322
45	0.0984	0.1782	0.0606	0.0627	0.0666	0.0446	0.0477	0.0931	0.0416	0.0481	0.0683	0.0929	0.0431	0.0522	0.0949	0.0337
46	0.1048	0.1896	0.0644	0.0665	0.0705	0.0471	0.0504	0.0981	0.0439	0.0507	0.0720	0.0978	0.0453	0.0548	0.0996	0.0353
47	0.1118	0.2019	0.0685	0.0706	0.0747	0.0499	0.0532	0.1035	0.0463	0.0535	0.0759	0.1030	0.0477	0.0577	0.1045	0.0370
48	0.1193	0.2154	0.0730	0.0751	0.0793	0.0529	0.0563	0.1094	0.0488	0.0564	0.0801	0.1087	0.0503	0.0607	0.1099	0.0389
49	0.1275	0.2299	0.0778	0.0800	0.0844	0.0561	0.0597	0.1158	0.0516	0.0595	0.0845	0.1146	0.0530	0.0640	0.1157	0.0409
50	0.1363	0.2455	0.0831	0.0853	0.0899	0.0597	0.0634	0.1228	0.0546	0.0629	0.0891	0.1209	0.0559	0.0675	0.1219	0.0430
51	0.1459	0.2625	0.0887	0.0911	0.0959	0.0636	0.0674	0.1304	0.0579	0.0666	0.0942	0.1275	0.0590	0.0711	0.1286	0.0454
52	0.1565	0.2811	0.0948	0.0973	0.1023	0.0678	0.0719	0.1387	0.0615	0.0706	0.0997	0.1347	0.0622	0.0750	0.1356	0.0478
53	0.1680	0.3014	0.1015	0.1040	0.1093	0.0724	0.0766	0.1478	0.0654	0.0749	0.1057	0.1427	0.0657	0.0791	0.1430	0.0505
54	0.1806	0.3236	0.1089	0.1113	0.1169	0.0773	0.0818	0.1576	0.0697	0.0797	0.1122	0.1513	0.0696	0.0836	0.1509	0.0532
55	0.1943	0.3479	0.1169	0.1194	0.1251	0.0827	0.0874	0.1682	0.0743	0.0849	0.1194	0.1606	0.0738	0.0885	0.1594	0.0561
56	0.2092	0.3743	0.1257	0.1282	0.1342	0.0885	0.0934	0.1797	0.0794	0.0905	0.1272	0.1708	0.0784	0.0939	0.1688	0.0593
57	0.2254	0.4030	0.1352	0.1378	0.1441	0.0950	0.1000	0.1921	0.0848	0.0966	0.1356	0.1820	0.0833	0.0997	0.1789	0.0628
58	0.2431	0.4343	0.1456	0.1482	0.1549	0.1019	0.1073	0.2057	0.0906	0.1032	0.1448	0.1941	0.0888	0.1060	0.1900	0.0666
59	0.2622	0.4683	0.1569	0.1596	0.1666	0.1096	0.1152	0.2206	0.0970	0.1104	0.1546	0.2072	0.0947	0.1129	0.2021	0.0707
60	0.2829	0.5051	0.1692	0.1720	0.1794	0.1179	0.1238	0.2368	0.1041	0.1182	0.1653	0.2213	0.1011	0.1205	0.2153	0.0752

Note: (a) Assumed mortality rates by birth year are based on selected life expectancy as shown in Appendix E, Exhibit VII, Column (9).



Adjusted q(x) (a)

Time (Year)	Adjusted q(x) BY 1989	Adjusted q(x) BY 1990	Adjusted q(x) BY 1991	Adjusted q(x) BY 1992	Adjusted q(x) BY 1993	Adjusted q(x) BY 1994	Adjusted q(x) BY 1995	Adjusted q(x) BY 1996	Adjusted q(x) BY 1997	Adjusted q(x) BY 1998	Adjusted q(x) BY 1999	Adjusted q(x) BY 2000	Adjusted q(x) BY 2001	Adjusted q(x) BY 2002	Adjusted q(x) BY 2003	Adjusted q(x) BY 2004
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
61	0.3052	0.5449	0.1825	0.1855	0.1933	0.1270	0.1332	0.2545	0.1117	0.1267	0.1770	0.2366	0.1080	0.1286	0.2296	0.0801
62	0.3292	0.5879	0.1969	0.2001	0.2085	0.1368	0.1434	0.2739	0.1201	0.1361	0.1898	0.2533	0.1154	0.1373	0.2451	0.0854
63	0.3551	0.6343	0.2124	0.2158	0.2249	0.1475	0.1545	0.2949	0.1292	0.1462	0.2038	0.2716	0.1236	0.1468	0.2618	0.0912
64	0.3827	0.6841	0.2291	0.2329	0.2426	0.1591	0.1666	0.3178	0.1391	0.1574	0.2191	0.2916	0.1325	0.1572	0.2799	0.0974
65	0.4122	0.7373	0.2471	0.2512	0.2617	0.1717	0.1797	0.3426	0.1499	0.1694	0.2357	0.3135	0.1423	0.1686	0.2997	0.1041
66	0.4429	0.7940	0.2664	0.2710	0.2824	0.1852	0.1939	0.3696	0.1616	0.1826	0.2538	0.3373	0.1529	0.1810	0.3214	0.1115
67	0.4748	0.8532	0.2869	0.2921	0.3045	0.1998	0.2092	0.3987	0.1744	0.1969	0.2735	0.3632	0.1646	0.1946	0.3450	0.1196
68	0.5079	0.9147	0.3082	0.3145	0.3283	0.2155	0.2257	0.4302	0.1881	0.2123	0.2949	0.3914	0.1772	0.2093	0.3709	0.1284
69	0.5423	0.9785	0.3305	0.3379	0.3535	0.2323	0.2434	0.4641	0.2030	0.2291	0.3181	0.4220	0.1909	0.2254	0.3990	0.1380
70	0.5782	1.0000	0.3535	0.3623	0.3798	0.2501	0.2624	0.5005	0.2190	0.2472	0.3432	0.4552	0.2059	0.2429	0.4297	0.1485
71	0.5994	1.0000	0.3774	0.3876	0.4072	0.2688	0.2825	0.5395	0.2361	0.2667	0.3702	0.4910	0.2221	0.2619	0.4630	0.1599
72	0.5994	1.0000	0.4024	0.4138	0.4356	0.2881	0.3036	0.5810	0.2545	0.2876	0.3994	0.5298	0.2396	0.2825	0.4992	0.1723
73	0.5994	1.0000	0.4171	0.4412	0.4651	0.3082	0.3255	0.6243	0.2741	0.3100	0.4308	0.5716	0.2585	0.3048	0.5385	0.1858
74	0.5994	1.0000	0.4171	0.4574	0.4959	0.3291	0.3482	0.6693	0.2945	0.3338	0.4643	0.6165	0.2789	0.3288	0.5810	0.2004
75	0.5994	1.0000	0.4171	0.4574	0.5140	0.3509	0.3717	0.7159	0.3158	0.3587	0.5000	0.6645	0.3008	0.3548	0.6268	0.2162
76	0.5994	1.0000	0.4171	0.4574	0.5140	0.3637	0.3964	0.7644	0.3378	0.3846	0.5373	0.7155	0.3242	0.3826	0.6762	0.2332
77	0.5994	1.0000	0.4171	0.4574	0.5140	0.3637	0.4109	0.8151	0.3606	0.4114	0.5760	0.7689	0.3491	0.4124	0.7293	0.2516
78	0.5994	1.0000	0.4171	0.4574	0.5140	0.3637	0.4109	0.8449	0.3845	0.4392	0.6162	0.8243	0.3751	0.4441	0.7861	0.2714
79	0.5994	1.0000	0.4171	0.4574	0.5140	0.3637	0.4109	0.8449	0.3986	0.4683	0.6579	0.8818	0.4021	0.4772	0.8466	0.2925
80	0.5994	1.0000	0.4171	0.4574	0.5140	0.3637	0.4109	0.8449	0.3986	0.4854	0.7015	0.9414	0.4302	0.5116	0.9096	0.3150
81	0.5994	1.0000	0.4171	0.4574	0.5140	0.3637	0.4109	0.8449	0.3986	0.4854	0.7271	1.0000	0.4593	0.5473	0.9752	0.3384
82	0.5994	1.0000	0.4171	0.4574	0.5140	0.3637	0.4109	0.8449	0.3986	0.4854	0.7271	1.0000	0.4897	0.5843	1.0000	0.3628
83	0.5994	1.0000	0.4171	0.4574	0.5140	0.3637	0.4109	0.8449	0.3986	0.4854	0.7271	1.0000	0.5077	0.6231	1.0000	0.3881
84	0.5994	1.0000	0.4171	0.4574	0.5140	0.3637	0.4109	0.8449	0.3986	0.4854	0.7271	1.0000	0.5077	0.6458	1.0000	0.4144
85	0.5994	1.0000	0.4171	0.4574	0.5140	0.3637	0.4109	0.8449	0.3986	0.4854	0.7271	1.0000	0.5077	0.6458	1.0000	0.4419
86	0.5994	1.0000	0.4171	0.4574	0.5140	0.3637	0.4109	0.8449	0.3986	0.4854	0.7271	1.0000	0.5077	0.6458	1.0000	0.4580
87	0.5994	1.0000	0.4171	0.4574	0.5140	0.3637	0.4109	0.8449	0.3986	0.4854	0.7271	1.0000	0.5077	0.6458	1.0000	0.4580
88	0.5994	1.0000	0.4171	0.4574	0.5140	0.3637	0.4109	0.8449	0.3986	0.4854	0.7271	1.0000	0.5077	0.6458	1.0000	0.4580
89	0.5994	1.0000	0.4171	0.4574	0.5140	0.3637	0.4109	0.8449	0.3986	0.4854	0.7271	1.0000	0.5077	0.6458	1.0000	0.4580
90	0.5994	1.0000	0.4171	0.4574	0.5140	0.3637	0.4109	0.8449	0.3986	0.4854	0.7271	1.0000	0.5077	0.6458	1.0000	0.4580
91	1.0000	1.0000	0.4171	0.4574	0.5140	0.3637	0.4109	0.8449	0.3986	0.4854	0.7271	1.0000	0.5077	0.6458	1.0000	0.4580
92	1.0000	1.0000	0.4171	0.4574	0.5140	0.3637	0.4109	0.8449	0.3986	0.4854	0.7271	1.0000	0.5077	0.6458	1.0000	0.4580
93	1.0000	1.0000	1.0000	0.4574	0.5140	0.3637	0.4109	0.8449	0.3986	0.4854	0.7271	1.0000	0.5077	0.6458	1.0000	0.4580
94	1.0000	1.0000	1.0000	1.0000	0.5140	0.3637	0.4109	0.8449	0.3986	0.4854	0.7271	1.0000	0.5077	0.6458	1.0000	0.4580
95	1.0000	1.0000	1.0000	1.0000	1.0000	0.3637	0.4109	0.8449	0.3986	0.4854	0.7271	1.0000	0.5077	0.6458	1.0000	0.4580
96	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.4109	0.8449	0.3986	0.4854	0.7271	1.0000	0.5077	0.6458	1.0000	0.4580
97	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.8449	0.3986	0.4854	0.7271	1.0000	0.5077	0.6458	1.0000	0.4580
98	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.3986	0.4854	0.7271	1.0000	0.5077	0.6458	1.0000	0.4580
99	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.4854	0.7271	1.0000	0.5077	0.6458	1.0000	0.4580
100	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.7271	1.0000	0.5077	0.6458	1.0000	0.4580
101	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.5077	0.6458	1.0000	0.4580
102	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.5077	0.6458	1.0000	0.4580
103	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.6458	1.0000	0.4580
104	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.4580
105	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.4580
106	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
107	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
108	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
109	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
110	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
111	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
112	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
113	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
114	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
115	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
116	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
117	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
118	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
119	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
120	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Note: (a) Assumed mortality rates by birth year are based on selected life expectancy as shown in Appendix E, Exhibit VII, Column (9).

Development of Average Annual Remaining Payments Relativity

All Open Accepted Claims (AAA Only) with Life Expectancy

Birth Year	Sum of (a) Remaining Life Expectancy	Cumulative Paid (b) Loss & ALAE	Number of Years Since Date of Claim (c)	Average Annual Payment (3) / (4)	Indicated Birth Year Relativity Based on Average Annual Payment (d)	Remaining Life Expectancy X Annual Payment Relativity (e)	Average Annual Remaining Payment Relativity Based on Cumulative Payments to Date (7) / (2)	Current (f) Case O/S Loss & ALAE @ 3/31/19	Average Annual Remaining Payment Based on Case O/S & Life Expectancy (9) / (2)	Average Annual Remaining Payment Relativity Based on Current Case O/S (g)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1989	88.32	5,884,762	111	52,878	0.718	59.62	0.675	11,781,000	133,390	0.945
1990	45.84	2,883,842	81	35,594	0.483	26.05	0.568	5,795,674	126,433	0.896
1991	109.60	8,819,379	103	85,858	1.166	127.04	1.159	18,381,938	167,718	1.188
1992	240.52	14,325,272	227	63,076	0.856	200.63	0.834	35,356,238	146,999	1.041
1993	205.62	15,752,299	188	83,642	1.136	144.63	0.703	26,486,186	128,811	0.913
1994	122.66	3,883,938	91	42,480	0.577	88.96	0.725	13,142,668	107,147	0.759
1995	147.78	9,868,370	110	89,843	1.220	173.14	1.172	22,324,521	151,066	1.070
1996	124.42	8,405,088	125	67,500	0.916	111.73	0.898	20,119,506	161,706	1.146
1997	247.70	10,500,122	153	68,481	0.930	165.30	0.667	27,776,293	112,137	0.794
1998	316.21	18,526,887	206	89,875	1.220	345.61	1.093	48,748,586	154,165	1.092
1999	71.30	4,148,857	51	80,859	1.098	77.42	1.086	14,702,052	206,200	1.461
2000	97.89	4,920,934	87	56,621	0.769	64.19	0.656	14,832,843	151,526	1.074
2001	118.06	6,020,583	59	101,699	1.381	157.45	1.334	21,726,435	184,029	1.304
2002	345.56	12,572,264	182	69,250	0.940	310.35	0.898	51,926,993	150,269	1.065
2003	55.44	3,908,956	39	99,439	1.350	76.24	1.375	11,622,530	209,642	1.485
2004	162.09	3,968,629	61	64,731	0.879	118.21	0.729	23,536,852	145,209	1.029
2005	189.15	5,839,237	80	72,627	0.986	120.30	0.636	25,247,722	133,480	0.946
2006	272.03	7,855,366	93	84,348	1.145	296.70	1.091	40,093,025	147,385	1.044
2007	155.26	8,683,990	68	127,988	1.738	256.98	1.655	29,115,877	187,530	1.329
2008	319.79	4,310,190	79	54,802	0.744	212.40	0.664	45,192,407	141,319	1.001
2009	331.79	5,855,947	80	73,245	0.994	331.20	0.998	51,774,676	156,047	1.106
2010	226.91	1,829,150	35	52,381	0.711	140.21	0.618	25,946,547	114,347	0.810
2011	335.37	3,729,323	58	63,913	0.868	272.53	0.813	43,175,898	128,741	0.912
2012	268.23	1,860,760	36	52,327	0.710	182.70	0.681	30,622,123	114,164	0.809
2013	181.86	3,278,231	32	103,512	1.405	229.24	1.261	25,493,593	140,183	0.993
2014	227.98	3,802,470	37	103,525	1.405	271.38	1.190	29,230,790	128,216	0.908
2015	301.31	1,926,086	17	111,528	1.514	494.50	1.641	36,346,034	120,627	0.855
2016	20.00	162,681	2	96,261	1.307	26.14	1.307	1,602,916	80,146	0.568
2017										
2018										
2019										
Totals / Avg.	5,328.69	183,523,611	2,491	73,660				752,101,924	141,142	

Notes: (a) See Appendix E, Exhibit VI, Sheets 2a to 2g, Column (4).  
 (b) See Appendix E, Exhibit VI, Sheets 2a to 2g, Column (5).  
 (c) See Appendix E, Exhibit VI, Sheets 2a to 2g, Column (6).  
 (d) Based on column (5) divided by the average for all birth years.  
 (e) See Appendix E, Exhibit VI, Sheets 2a to 2g, Column (9).  
 (f) See Appendix E, Exhibit VI, Sheets 2a to 2g, Column (11).  
 (g) Based on column (10) divided by the average for all birth years.

Development of Average Annual Remaining Payments Relativity

All Open Accepted Claims (AAA Only) with Life Expectancy

Birth Year	Claim #	Date of Claim	Remaining Life (a) Expectancy	Cumulative Paid (a) Loss & ALAE	Number of Years Since Date of Claim (b)	Average Annual Payment (5) / (6)	Indicated (c) Birth Year Relativity Based on Average Annual Payment	Remaining Life Expectancy X Annual Payment Relativity (d) (4) x (8)	Average Annual Remaining Payment Relativity Based on Cumulative Payments to Date (e) (9) / (4)	Current (a) Case O/S Loss & ALAE @ 3/31/19	Average Annual Remaining Payment Based on Case O/S & Life Expectancy (11) / (4)	Average Annual Remaining Payment Relativity Based on Current Case O/S (f)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Subtotals / Avg. BY 1989:			88.32	5,884,762	111.29	52,878	0.718	59.62	0.675	11,781,000	133,390	0.945
Subtotals / Avg. BY 1990:			45.84	2,883,842	81.02	35,594	0.483	26.05	0.568	5,795,674	126,433	0.896
Subtotals / Avg. BY 1991:			109.60	8,819,379	102.72	85,858	1.166	127.04	1.159	18,381,938	167,718	1.188
Subtotals / Avg. BY 1992:			240.52	14,325,272	227.11	63,076	0.856	200.63	0.834	35,356,238	146,999	1.041
Subtotals / Avg. BY 1993:			205.62	15,752,299	188.33	83,642	1.136	144.63	0.703	26,486,186	128,811	0.913

- Notes: (a) As provided by NICA management evaluated as of March 31, 2019.  
 (b) Number of years since date of claim as shown in column (3) to March 31, 2019.  
 (c) Based on column (7) divided by the average for all birth years.  
 (d) Average annual payment relativity shown in column (8) is based on payments to date. This relativity is adjusted to account for expected difference in duration of remaining payments.  
 (e) Average annual remaining payment relativity based on payments to date after adjustment for expected difference in weight required for remaining average due to difference in estimated remaining life expectancy.  
 (f) Based on column (12) divided by the average for all birth years.

Development of Average Annual Remaining Payments Relativity

All Open Accepted Claims (AAA Only) with Life Expectancy

Birth Year	Claim #	Date of Claim	Remaining Life (a) Expectancy	Cumulative Paid (a) Loss & ALAE	Number of Years Since Date of Claim (b)	Average Annual Payment (5) / (6)	Indicated (c) Birth Year Relativity Based on Average Annual Payment	Remaining Life Expectancy X Annual Payment Relativity (d) (4) x (8)	Average Annual Remaining Payment Relativity Based on Cumulative Payments to Date (e) (9) / (4)	Current (a) Case O/S Loss & ALAE @ 3/31/19	Average Annual Remaining Payment Based on Case O/S & Life Expectancy (11) / (4)	Average Annual Remaining Payment Relativity Based on Current Case O/S (f)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
<b>Subtotals / Avg. BY 1994:</b>			122.66	3,883,938	91.43	42,480	0.577	88.96	0.725	13,142,668	107,147	0.759
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
<b>Subtotals / Avg. BY 1995:</b>			147.78	9,868,370	109.84	89,843	1.220	173.14	1.172	22,324,521	151,066	1.070
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
<b>Subtotals / Avg. BY 1996:</b>			124.42	8,405,088	124.52	67,500	0.916	111.73	0.898	20,119,506	161,706	1.146
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
<b>Subtotals / Avg. BY 1997:</b>			247.70	10,500,122	153.33	68,481	0.930	165.30	0.667	27,776,293	112,137	0.794
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
<b>Subtotals / Avg. BY 1998:</b>			316.21	18,526,887	206.14	89,875	1.220	345.61	1.093	48,748,586	154,165	1.092

Notes: (a) As provided by NICA management evaluated as of March 31, 2019.  
 (b) Number of years since date of claim as shown in column (3) to March 31, 2019.  
 (c) Based on column (7) divided by the average for all birth years.  
 (d) Average annual payment relativity shown in column (8) is based on payments to date. This relativity is adjusted to account for expected difference in duration of remaining payments.  
 (e) Average annual remaining payment relativity based on payments to date after adjustment for expected difference in weight required for remaining average due to difference in estimated remaining life expectancy.  
 (f) Based on column (12) divided by the average for all birth years.

Development of Average Annual Remaining Payments Relativity

All Open Accepted Claims (AAA Only) with Life Expectancy

Birth Year	Claim #	Date of Claim	Remaining Life (a) Expectancy	Cumulative Paid (a) Loss & ALAE	Number of Years Since Date of Claim (b)	Average Annual Payment (5) / (6)	Indicated (c) Birth Year Relativity Based on Average Annual Payment	Remaining Life Expectancy X Annual Payment Relativity (d) (4) x (8)	Average Annual Remaining Payment Relativity Based on Cumulative Payments to Date (e) (9) / (4)	Current (a) Case O/S Loss & ALAE @ 3/31/19	Average Annual Remaining Payment Based on Case O/S & Life Expectancy (11) / (4)	Average Annual Remaining Payment Relativity Based on Current Case O/S (f)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
<b>Subtotals / Avg. BY 1999:</b>			71.30	4,148,857	51.31	80,859	1.098	77.42	1.086	14,702,052	206,200	1.461
<b>Subtotals / Avg. BY 2000:</b>			97.89	4,920,934	86.91	56,621	0.769	64.19	0.656	14,832,843	151,526	1.074
<b>Subtotals / Avg. BY 2001:</b>			118.06	6,020,583	59.20	101,699	1.381	157.45	1.334	21,726,435	184,029	1.304
<b>Subtotals / Avg. BY 2002:</b>			345.56	12,572,264	181.55	69,250	0.940	310.35	0.898	51,926,993	150,269	1.065
<b>Subtotals / Avg. BY 2003:</b>			55.44	3,908,956	39.31	99,439	1.350	76.24	1.375	11,622,530	209,642	1.485

- Notes: (a) As provided by NICA management evaluated as of March 31, 2019.  
 (b) Number of years since date of claim as shown in column (3) to March 31, 2019.  
 (c) Based on column (7) divided by the average for all birth years.  
 (d) Average annual payment relativity shown in column (8) is based on payments to date. This relativity is adjusted to account for expected difference in duration of remaining payments.  
 (e) Average annual remaining payment relativity based on payments to date after adjustment for expected difference in weight required for remaining average due to difference in estimated remaining life expectancy.  
 (f) Based on column (12) divided by the average for all birth years.



Development of Average Annual Remaining Payments Relativity

All Open Accepted Claims (AAA Only) with Life Expectancy

Birth Year	Claim #	Date of Claim	Remaining Life (a) Expectancy	Cumulative Paid (a) Loss & ALAE	Number of Years Since Date of Claim (b)	Average Annual Payment (5) / (6)	Indicated (c) Birth Year Relativity Based on Average Annual Payment	Remaining Life Expectancy X Annual Payment Relativity (d) (4) x (8)	Average Annual Remaining Payment Relativity Based on Cumulative Payments to Date (e) (9) / (4)	Current (a) Case O/S Loss & ALAE @ 3/31/19	Average Annual Remaining Payment Based on Case O/S & Life Expectancy (11) / (4)	Average Annual Remaining Payment Relativity Based on Current Case O/S (f)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
<b>Subtotals / Avg. BY 2004:</b>			<b>162.09</b>	<b>3,968,629</b>	<b>61.31</b>	<b>64,731</b>	<b>0.879</b>	<b>118.21</b>	<b>0.729</b>	<b>23,536,852</b>	<b>145,209</b>	<b>1.029</b>
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
<b>Subtotals / Avg. BY 2005:</b>			<b>189.15</b>	<b>5,839,237</b>	<b>80.40</b>	<b>72,627</b>	<b>0.986</b>	<b>120.30</b>	<b>0.636</b>	<b>25,247,722</b>	<b>133,480</b>	<b>0.946</b>
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
<b>Subtotals / Avg. BY 2006:</b>			<b>272.03</b>	<b>7,855,366</b>	<b>93.13</b>	<b>84,348</b>	<b>1.145</b>	<b>296.70</b>	<b>1.091</b>	<b>40,093,025</b>	<b>147,385</b>	<b>1.044</b>
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
<b>Subtotals / Avg. BY 2007:</b>			<b>155.26</b>	<b>8,683,990</b>	<b>67.85</b>	<b>127,988</b>	<b>1.738</b>	<b>256.98</b>	<b>1.655</b>	<b>29,115,877</b>	<b>187,530</b>	<b>1.329</b>

- Notes: (a) As provided by NICA management evaluated as of March 31, 2019.  
 (b) Number of years since date of claim as shown in column (3) to March 31, 2019.  
 (c) Based on column (7) divided by the average for all birth years.  
 (d) Average annual payment relativity shown in column (8) is based on payments to date. This relativity is adjusted to account for expected difference in duration of remaining payments.  
 (e) Average annual remaining payment relativity based on payments to date after adjustment for expected difference in weight required for remaining average due to difference in estimated remaining life expectancy.  
 (f) Based on column (12) divided by the average for all birth years.

Development of Average Annual Remaining Payments Relativity

All Open Accepted Claims (AAA Only) with Life Expectancy

Birth Year	Claim #	Date of Claim	Remaining Life (a) Expectancy	Cumulative Paid (a) Loss & ALAE	Number of Years Since Date of Claim (b)	Average Annual Payment (5) / (6)	Indicated (c) Birth Year Relativity Based on Average Annual Payment	Remaining Life Expectancy X Annual Payment Relativity (d) (4) x (8)	Average Annual Remaining Payment Relativity Based on Cumulative Payments to Date (e) (9) / (4)	Current (a) Case O/S Loss & ALAE @ 3/31/19	Average Annual Remaining Payment Based on Case O/S & Life Expectancy (11) / (4)	Average Annual Remaining Payment Relativity Based on Current Case O/S (f)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
<b>Subtotals / Avg. BY 2008:</b>			<b>319.79</b>	<b>4,310,190</b>	<b>78.65</b>	<b>54,802</b>	<b>0.744</b>	<b>212.40</b>	<b>0.664</b>	<b>45,192,407</b>	<b>141,319</b>	<b>1.001</b>
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
<b>Subtotals / Avg. BY 2009:</b>			<b>331.79</b>	<b>5,855,947</b>	<b>79.95</b>	<b>73,245</b>	<b>0.994</b>	<b>331.20</b>	<b>0.998</b>	<b>51,774,676</b>	<b>156,047</b>	<b>1.106</b>
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
<b>Subtotals / Avg. BY 2010:</b>			<b>226.91</b>	<b>1,829,150</b>	<b>34.92</b>	<b>52,381</b>	<b>0.711</b>	<b>140.21</b>	<b>0.618</b>	<b>25,946,547</b>	<b>114,347</b>	<b>0.810</b>
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
<b>Subtotals / Avg. BY 2011:</b>			<b>335.37</b>	<b>3,729,323</b>	<b>58.35</b>	<b>63,913</b>	<b>0.868</b>	<b>272.53</b>	<b>0.813</b>	<b>43,175,898</b>	<b>128,741</b>	<b>0.912</b>

- Notes: (a) As provided by NICA management evaluated as of March 31, 2019.  
 (b) Number of years since date of claim as shown in column (3) to March 31, 2019.  
 (c) Based on column (7) divided by the average for all birth years.  
 (d) Average annual payment relativity shown in column (8) is based on payments to date. This relativity is adjusted to account for expected difference in duration of remaining payments.  
 (e) Average annual remaining payment relativity based on payments to date after adjustment for expected difference in weight required for remaining average due to difference in estimated remaining life expectancy.  
 (f) Based on column (12) divided by the average for all birth years.

Development of Average Annual Remaining Payments Relativity

All Open Accepted Claims (AAA Only) with Life Expectancy

Birth Year	Claim #	Date of Claim	Remaining Life (a) Expectancy	Cumulative Paid (a) Loss & ALAE	Number of Years Since Date of Claim (b)	Average Annual Payment (5) / (6)	Indicated (c) Birth Year Relativity Based on Average Annual Payment	Remaining Life Expectancy X Annual Payment Relativity (d) (4) x (8)	Average Annual Remaining Payment Relativity Based on Cumulative Payments to Date (e) (9) / (4)	Current (a) Case O/S Loss & ALAE @ 3/31/19	Average Annual Remaining Payment Based on Case O/S & Life Expectancy (11) / (4)	Average Annual Remaining Payment Relativity Based on Current Case O/S (f)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
<b>Subtotals / Avg. BY 2012:</b>			<b>268.23</b>	<b>1,860,760</b>	<b>35.56</b>	<b>52,327</b>	<b>0.710</b>	<b>182.70</b>	<b>0.681</b>	<b>30,622,123</b>	<b>114,164</b>	<b>0.809</b>
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
<b>Subtotals / Avg. BY 2013:</b>			<b>181.86</b>	<b>3,278,231</b>	<b>31.67</b>	<b>103,512</b>	<b>1.405</b>	<b>229.24</b>	<b>1.261</b>	<b>25,493,593</b>	<b>140,183</b>	<b>0.993</b>
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
<b>Subtotals / Avg. BY 2014:</b>			<b>227.98</b>	<b>3,802,470</b>	<b>36.73</b>	<b>103,525</b>	<b>1.405</b>	<b>271.38</b>	<b>1.190</b>	<b>29,230,790</b>	<b>128,216</b>	<b>0.908</b>
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
<b>Subtotals / Avg. BY 2015:</b>			<b>301.31</b>	<b>1,926,086</b>	<b>17.27</b>	<b>111,528</b>	<b>1.514</b>	<b>494.50</b>	<b>1.641</b>	<b>36,346,034</b>	<b>120,627</b>	<b>0.855</b>

Notes: (a) As provided by NICA management evaluated as of March 31, 2019.  
 (b) Number of years since date of claim as shown in column (3) to March 31, 2019.  
 (c) Based on column (7) divided by the average for all birth years.  
 (d) Average annual payment relativity shown in column (8) is based on payments to date. This relativity is adjusted to account for expected difference in duration of remaining payments.  
 (e) Average annual remaining payment relativity based on payments to date after adjustment for expected difference in weight required for remaining average due to difference in estimated remaining life expectancy.  
 (f) Based on column (12) divided by the average for all birth years.



Development of Average Annual Remaining Payments Relativity

All Open Accepted Claims (AAA Only) with Life Expectancy

Birth Year	Claim #	Date of Claim	Remaining Life (a) Expectancy	Cumulative Paid (a) Loss & ALAE	Number of Years Since Date of Claim (b)	Average Annual Payment (5) / (6)	Indicated (c) Birth Year Relativity Based on Average Annual Payment	Remaining Life Expectancy X Annual Payment Relativity (d) (4) x (8)	Average Annual Remaining Payment Relativity Based on Cumulative Payments to Date (e) (9) / (4)	Current (a) Case O/S Loss & ALAE @ 3/31/19 (11)	Average Annual Remaining Payment Based on Case O/S & Life Expectancy (11) / (4) (12)	Average Annual Remaining Payment Relativity Based on Current Case O/S (f) (13)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
<b>Subtotals / Avg. BY 2016:</b>			<b>20.00</b>	<b>162,681</b>	<b>1.69</b>	<b>96,261</b>	<b>1.307</b>	<b>26.14</b>	<b>1.307</b>	<b>1,602,916</b>	<b>80,146</b>	<b>0.568</b>
<b>Totals / Averages:</b>			<b>5,328.69</b>	<b>183,523,611</b>	<b>2,491.49</b>	<b>73,660</b>				<b>752,101,924</b>	<b>141,142</b>	

- Notes: (a) As provided by NICA management evaluated as of March 31, 2019.  
 (b) Number of years since date of claim as shown in column (3) to March 31, 2019.  
 (c) Based on column (7) divided by the average for all birth years.  
 (d) Average annual payment relativity shown in column (8) is based on payments to date. This relativity is adjusted to account for expected difference in duration of remaining payments.  
 (e) Average annual remaining payment relativity based on payments to date after adjustment for expected difference in weight required for remaining average due to difference in estimated remaining life expectancy.  
 (f) Based on column (12) divided by the average for all birth years.

A. Adjustment for Life Expectancy (a) **1.250**

Birth Year	Accepted Claim Counts AAA with life expectancy			Average Life Expectancy				After (a) Adjustment Selected Remaining Life Expectancy (8) x A
	Reported Counts (b)	Ultimate Counts (c)	IBNR (3) - (2)	Actual Birth Year	All Birth Years	Indicated (d) Average Life Expectancy	Selected (e) Average Life Expectancy	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1989				22.08			22.08	27.60
1990				15.28			15.28	19.10
1991				27.40			27.40	34.25
1992				26.72			26.72	33.40
1993				25.70			25.70	32.13
1994				30.67			30.67	38.34
1995				29.56			29.56	36.95
1996				20.74			20.74	25.93
1997				30.96			30.96	38.70
1998				28.75			28.75	35.94
1999				23.77			23.77	29.71
2000				19.58			19.58	24.48
2001				29.52			29.52	36.90
2002				26.58			26.58	33.23
2003				18.48			18.48	23.10
2004				32.42			32.42	40.53
2005				27.02			27.02	33.78
2006				30.23			30.23	37.79
2007				22.18			22.18	27.73
2008				35.53			35.53	44.41
2009				33.18			33.18	41.48
2010				45.38			45.38	56.73
2011				33.54			33.54	41.93
2012				38.32			38.32	47.90
2013				25.98			25.98	32.48
2014	10	13	3	22.80	28.65	24.15	<b>25.00</b>	31.25
2015	9	12	3	33.48	28.65	32.27	<b>33.00</b>	41.25
2016	1	9	8	20.00	28.65	27.69	<b>28.00</b>	35.00
2017	-	15	15	-	28.65	28.65	<b>29.00</b>	36.25
2018	-	16	16	-	28.65	28.65	<b>29.00</b>	36.25
2019	-	4	4	-	28.65	28.65	<b>29.00</b>	36.25

Notes: (a) Final selected remaining life expectancy estimated to include consideration of increased life expectancy over time by 0.2 per year.  
 (b) Based on AAA claims with life expectancy.  
 (c) See Exhibit X, Sheet 1a, Column (10) minus Column (3).  
 (d) Based on the formula:  $\{[(5) \times (2)] + [(6) \times (4)]\} / (3)$ .  
 (e) For birth years 2013 and prior, it is based on actual average remaining life expectancy by birth year as shown in column (5). For birth years 2014 and subsequent, see column (7).