

**FLORIDA BIRTH RELATED NEUROLOGICAL INJURY  
COMPENSATION ASSOCIATION  
REVIEW OF OUTSTANDING LOSS RESERVES  
EVALUATED AS OF MARCH 31, 2018**

**Turner Consulting, Inc.  
July, 2018**

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

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July 25, 2018

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

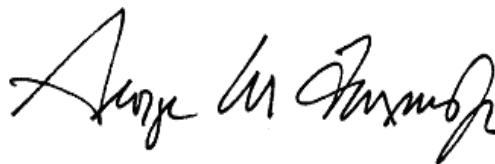
Re: NICA Outstanding Loss Reserves – Evaluated as of March 31, 2018

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, 2018.

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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**Table of Contents**

<b><u>Section</u></b>	<b><u>Page</u></b>
Introduction	
Purpose	1
Background	1
Distribution and Use	3
Conditions and Limitations	3
Executive Summary	8
Methodology	13
Historical NICA Inflation	22
Prospective NICA Inflation	23
Discount Rate	24
Payment Pattern	26
Incurred Projection Cumulative Development Factor	27
Risk Margin	28
Reinsurance Recoveries	30

## 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, 2018. The loss and LAE reserve estimates are developed on both a current (2018) 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, 2018. 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, 2018. 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, 2018. 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 calculated anticipated specific and aggregate excess coverage recoveries is shown in Exhibit I, Sheet 4a. The estimated 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 an estimate of amounts recoverable under the commutation clause of current NICA reinsurance treaties with General Reinsurance Corporation (Gen Re). All specific excess reinsurance coverage related to birth years 2001 and prior has been commuted.

The remaining reinsurance recoveries as of March 31, 2018 include specific and aggregate excess recoveries related to birth years 2002 and 2003 and also buffer layer (i.e. \$ 3.0 million excess of \$ 20.0 million) aggregate excess recoveries related to birth years 1999 to 2001. Since recoveries under the remaining specific and aggregate excess coverage are disputed by the reinsurer and are subject to final decisions to be made by an arbitration panel in a pending arbitration proceeding, the amounts that will be ultimately recovered may vary from the estimated amounts shown in Exhibit I, Sheets 4a and 4b.

The estimated amounts recoverable under the Gen Re specific and aggregate excess coverage treaties purchased by NICA for these more recent birth years (e.g. 2002 and 2003) are based on our understanding of the four primary findings as described in the Panel Award issued after the Phase I hearing for the NICA / Gen Re commutation arbitration. Additional factors that impact commutation calculations will be decided in Phase II or later in the arbitration and further

proceedings may be necessary before commutation values are confirmed. Our estimates as shown in the current report reflect our understanding of the decisions expressed in the Phase I Panel Award, but do not include all factors that will be decided in Phase II.

For example, since the Phase I Panel Award specified the order of operations as well as the evaluation date to be used to value the claims in the calculation, changes were made to the order of operations and the evaluation dates incorporated in the reinsurance recovery calculations shown in NICA reports evaluated as of September 30, 2017 and prior. In those prior reports the reinsurance recovery calculation was based on the loss and ALAE information evaluated as of the current quarter or year end. Since one of the key findings of the Phase I Panel Award specifies the reinsurance commutation calculation is to be performed using loss information evaluated as of eighty-four months after the expiration of each birth year (e.g. as of 12/31/09 for BY 2002) and also the calculation is to incorporate expected loss and ALAE present valued to that date, the reinsurance commutation calculations will now reflect valuations as of earlier periods than had been used previously. In addition, several factors remain to be decided in the Phase II arbitration hearing. One of the key factors is the interest rate to be used to reflect that NICA did not receive the commutation funds 84 months after the end of each birth year. Based on the arbitration panel's indication that the parties should be put in the position they would have been in had the reinsurer paid the commutation proceeds to NICA several years ago (e.g. investment adjustment applied to birth year 2002 from the evaluation date of December 31, 2009 through the date of commutation) an adjustment is now needed to accomplish this. That is, since the Phase I Panel Award specified the evaluation date of the calculation to be eighty-four months after the end of each birth year, an additional factor must now be applied to adjust for the investment income that NICA would have earned over the intervening period. It is our understanding this factor as well as other factors will be the subject of the Phase II hearings.

Additional factors to be decided that may impact the final commutation calculation include the specific mortality assumptions and adjustments to be used in the commutation calculation, determination of the relevant aggregate attachment points and the amount of loss development to be included in the adjustment of case reserves to an ultimate basis. Since the final commutation calculation will be dependent on the final values selected for each of these primary assumptions, the ultimate commutation values may vary from those reflected in this report. The reinsurance recovery as shown in the current report reflects our best estimate with regard to the mortality adjustment, aggregate attachment and loss development adjustment but does not include any adjustment for the interest rate or investment income to be credited for the time period from the specified commutation date to the current report date.

The credited investment income will likely be a significant amount. NICA proposes the proper investment income to be credited should be comparable to the amount they earned over the relevant periods on all other invested assets since NICA would have invested the commutation proceeds in accordance with its investment strategies and asset allocations the same as other invested assets. It is our understanding the average annual investment returns realized by NICA over each of the two periods beginning December 31, 2009 and 2010 through December 31, 2017 was 7.49 % and 6.67 %, respectively. Since the actual amount to be credited will be decided in the Phase II hearing and since NICA has not included a factor for investment income in prior reports, that amount will be included in the calculation once it has been decided.

The assumptions incorporated into the other three factors (i.e. mortality, aggregate attachment point, and loss development) have been used in prior reports.

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 \$829.3 million as of March 31, 2018 (see Exhibit I, Sheet 1a, Column (7)). This increased by \$2.13 million relative to the estimate as of December 31, 2017. The comparable estimate of outstanding loss and LAE reserves after consideration of calculated reinsurance recoveries is \$807.2 million (see Exhibit I, Sheet 4a, Column (12)). The change relative to the estimate shown in the prior report (i.e. December 31, 2017) is an increase of \$2.13 million. The comparable estimates of outstanding loss and ALAE reserves, excluding the consideration of ULAE reserves, are \$816.5 million and \$794.4 million, respectively.

Total case outstanding loss and ALAE reserves prior to adjustment for prospective inflation and discount increased by \$3.96 million during the quarter ending March 31, 2018. This includes an increase in case reserves of \$8.33 million related to new claims first reported during the quarter. Thus in the aggregate, case reserves established on claims reported prior to January 1, 2018 decreased by \$4.37 million relative to the case loss and ALAE reserves established as of December 31, 2017 (\$3.96 M minus \$8.33 M = (\$4.37 M)). The comparable estimate of case outstanding loss and ALAE reserves after inflation and discount increased by \$2.76 million during the quarter ending March 31, 2018.

The estimated ultimate loss and ALAE prior to reinsurance recoveries and after inflation and discount related to claims incurred in birth years 2017 and prior decreased by \$6.67 million relative to the estimates as set forth in the December 31, 2017 report. Due to the addition of another quarter, estimated ultimate loss and

ALAE related to birth year 2018 increased by \$13.11 million. In combination, the estimated ultimate loss and ALAE increased by \$6.43 million during the quarter ( $(\$6.67 \text{ M}) \text{ plus } \$13.11 \text{ M} = \$6.43 \text{ M}$ ). Total loss and ALAE payments made during the quarter was \$4.32 million. Since estimated ultimate loss and ALAE increased by \$6.43 million and loss payments were \$4.32 million, the total outstanding loss and ALAE increased by \$2.11 million relative to the estimates as set forth in the December 31, 2017 report ( $\$6.43 \text{ M} \text{ minus } \$4.32 \text{ M} = \$2.11 \text{ M}$ ).

The calculated reinsurance recoveries did not change from the estimates of \$22.11 million as set forth in the December 31, 2017 report. Since the estimated ultimate loss and ALAE prior to reinsurance recoveries increased by \$6.43 million and the reinsurance recoveries did not change, overall estimated ultimate loss and ALAE increased by \$6.43 million during the quarter ( $\$6.43 \text{ M} \text{ minus } \$0 \text{ M} = \$6.43 \text{ M}$ ). Thus as mentioned above, since loss and ALAE payments during the quarter was \$4.32 million, the total outstanding loss and ALAE increased by \$2.11 million relative to the estimates as set forth in the December 31, 2017 report ( $\$6.43 \text{ M} \text{ minus } \$4.32 \text{ M} = \$2.11 \text{ M}$ ). The overall change in estimates of ultimate loss and ALAE after inflation and discount during the quarter ending March 31, 2018 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		
	@ 3/31/18	@ 12/31/17	Change (2) - (3)	@ 3/31/18	@ 12/31/17	Change (5) - (6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1989	25,909,219	25,964,034	(54,815)	25,909,219	25,964,034	(54,815)
1990	12,766,028	12,789,992	(23,964)	12,766,028	12,789,992	(23,964)
1991	25,057,791	25,047,376	10,414	25,057,791	25,047,376	10,414
1992	48,098,345	48,119,766	(21,420)	47,620,970	47,642,391	(21,420)
1993	42,940,930	43,010,446	(69,517)	21,532,865	21,602,381	(69,517)
1994	19,061,491	19,083,459	(21,968)	16,911,283	16,933,250	(21,968)
1995	29,950,211	29,702,005	248,207	27,077,634	26,829,428	248,207
1996	28,128,540	27,972,026	156,514	26,760,067	26,603,553	156,514
1997	36,323,702	36,234,683	89,020	33,767,224	33,678,204	89,020
1998	61,164,079	61,025,424	138,655	58,480,940	58,342,286	138,655
1999	26,278,710	26,214,859	63,851	20,395,562	20,331,711	63,851
2000	19,555,072	19,495,776	59,297	17,261,820	17,202,523	59,297
2001	26,025,252	25,986,782	38,470	23,174,438	23,135,968	38,470
2002	62,521,502	62,535,820	(14,318)	42,843,206	42,857,523	(14,318)
2003	17,105,810	17,106,855	(1,045)	15,105,447	15,106,492	(1,045)
2004	25,281,175	25,376,483	(95,308)	25,281,175	25,376,483	(95,308)
2005	30,199,402	30,379,108	(179,706)	30,199,402	30,379,108	(179,706)
2006	45,657,310	45,855,599	(198,289)	45,657,310	45,855,599	(198,289)
2007	38,057,073	38,254,985	(197,912)	38,057,073	38,254,985	(197,912)
2008	46,768,363	46,953,609	(185,246)	46,768,363	46,953,609	(185,246)
2009	55,153,484	55,417,658	(264,174)	55,153,484	55,417,658	(264,174)
2010	26,264,839	26,463,338	(198,499)	26,264,839	26,463,338	(198,499)
2011	45,862,119	46,583,905	(721,786)	45,862,119	46,583,905	(721,786)
2012	28,375,744	28,754,324	(378,581)	28,375,744	28,754,324	(378,581)
2013	34,191,133	36,709,393	(2,518,260)	34,191,133	36,709,393	(2,518,260)
2014	46,948,709	48,382,677	(1,433,968)	46,948,709	48,382,677	(1,433,968)
2015	41,175,188	43,925,745	(2,750,556)	41,175,188	43,925,745	(2,750,556)
2016	35,952,308	37,786,424	(1,834,116)	35,952,308	37,786,424	(1,834,116)
2017	49,691,689	46,007,205	3,684,484	49,691,689	46,007,205	3,684,484
2018	13,106,083		13,106,083	13,106,083		13,106,083
Totals All	1,043,571,300	1,037,139,753	6,431,547	977,349,112	970,917,565	6,431,547
1989 - 2017	1,030,465,217	1,037,139,753	(6,674,536)	964,243,028	970,917,565	(6,674,536)

Loss and LAE reserve estimates referenced above include the separate estimation of loss and ALAE and ULAE reserves. A separate estimate of the ULAE reserve as of March 31, 2018 is developed on Exhibit I, Sheets 5a and 5b. The present value of the ULAE reserve estimate as of March 31, 2018 is \$12.80 million. The ULAE reserve estimate is comprised of two elements. The first (\$11.85 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, 2018. 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 (2018) 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 (2018) 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 351 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 \$829.3 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, 2018.

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 \$73.5 million. This produces a confidence level of approximately 80% that the reserves held by NICA as of December 31, 2017 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, 2018.

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 (2018) 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 2018 cost level is shown in Exhibit III.

The final or “third” step in the three step loss reserve estimation process is to adjust the 2018 cost level loss reserve estimates referenced above to include the estimated impact of prospective inflation (2018 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 2017. 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 (2018) 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 2018 cost level payment patterns for each birth year are shown in Appendix A, Exhibit I, Sheets 1a, 1b, 2a, 2b, 3a, and 3b. An example of the calculation of the 2018 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 2018 level loss and ALAE reserves by birth year and the assumed 2018 level payment pattern applicable to each birth year. The loss and ALAE reserves on a 2018 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, 2018 (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 2018 level NICA pure premium is calculated by dividing the 2018 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 2018 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, 2018 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, 2018). 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 2018 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 2018 level average incremental loss and ALAE payments for development periods 351 months and subsequent are based on the actual averages for development periods prior to 351 months adjusted to include consideration of estimated changes in utilization (alternatives of 1.00%, 2.00% and 3.00%). The final 2018 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 2018 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, 2018 (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 2018 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, 2018 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 – 351 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 351:Ult.</b>	<b>Outstanding Loss and ALAE Reserve in Million (\$)</b>
-----	-----	-----	-----
3.50%	5.00%	1.103	\$816.482
3.00%	5.00%	1.103	\$738.679
4.00%	5.00%	1.103	\$907.529
7.50%	9.00%	1.103	\$825.810
3.50%	5.00%	1.203	\$906.688
3.50%	5.00%	1.003	\$726.617

As mentioned previously and illustrated above the final present value loss and ALAE reserve estimated for the period ending March 31, 2018 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, 2018 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 \$12.80 million is the combination of the portion related to claim settlement (\$11.85 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, 2018. 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 (2018) 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 1926-2017. 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 2010-2017.

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 1991-2017. 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 2017 have averaged approximately 3.7% 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 (2018) 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 (2018) 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 2018) 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 2009 and prior. Alternatively, the loss and ALAE payment pattern used for birth years 2010 and subsequent is based on an average of the individual loss and ALAE payment patterns developed for 2009 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 351 months of maturity (1989 birth year evaluated as of March 31, 2018) and the likelihood of continued incurred loss and expense development in the development periods subsequent to 351 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 351 to 615 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 348 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 1.103 is shown in Appendix C, Exhibit I.

An illustration of the development of fitted values and the calculation of the indicated 351 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 twenty-nine). 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. Twenty-nine years of data were incorporated into the model (1989-2017). 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 2012 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 2013 to 2017, 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 twenty-nine 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, 2017, the current gross risk margin of \$73.5 million produces a confidence level of approximately 80%. We recommend that NICA set the risk margin at a level no lower than \$73.5 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 2017. The following table shows the indicated gross risk margins at various confidence levels as of December 31, 2017.

<b>Confidence Level</b> -----	<b>Indicated Gross Risk Margin</b> -----
70.0%	\$ 43.57 Million
75.0%	\$ 56.99 Million
77.0%	\$ 62.69 Million
78.0%	\$ 66.04 Million
79.0%	\$ 69.48 Million
80.0%	\$ 72.13 Million
85.0%	\$ 91.18 Million
90.0%	\$ 114.30 Million
95.0%	\$ 151.10 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 is currently subject to arbitration hearings. Recently a Panel Award was issued related to Phase I of the arbitration hearings.

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 Panel Award. 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. However, specific factors and assumptions to be utilized in these calculations will be addressed in Phase II hearings. The primary changes to the commutation calculations in the current report relative to the procedures used in reports evaluated as of September 30, 2017 and prior are as follows:

1. A change in the order of application of the limits and attachments and the discounting of the estimated loss payments. Previously expected losses were inflated and discounted prior to application of attachments and limits but as a result of the recent arbitration findings the current procedure with regard to the specific excess coverage is to inflate then apply the attachments and limits then discount.
2. The valuation date of the loss information and the date to which the resulting values are discounted has been determined to be eighty-four months after the expiration date of each birth year. The commutation calculations shown in the prior reports were based on current losses and used the report date as the valuation date.

As mentioned previously in this report, the arbitration panel specified that the reinsurance commutation calculation should be based on the loss information

evaluated as of eighty-four months after expiration of each birth year (e.g. as of December 31, 2009 for birth year 2002) but the procedure and interest rate to be used in the adjustment from the commutation date (e.g. December 31, 2009) to the current date will be addressed in Phase II. In prior reports evaluated as of September 30, 2017 and prior, the commutation calculations were based on the current loss information and also the calculation evaluation date was the same so no adjustment was required to incorporate interest or investment return to the current date (e.g. March 31, 2018). The Panel Award specified an adjustment should be made to put the parties in the same position they would have been in had the commutations taken place on the specified date. NICA's position is if the funds had been received as of the commutation dates they would have been invested in the same manner as other NICA invested assets so the appropriate investment rate of return would be the actual average investment rate of return realized by NICA over the intervening period (e.g. December 31, 2009 to March 31, 2018 for birth year 2002). The actual average annual NICA investment return for the period from December 31, 2009 to December 31, 2017 was 7.49 % and the comparable average annual return over the period from December 31, 2010 to December 31, 2017 was 6.67%. However, since the actual investment rate to be used in the adjustment will be decided in the Phase II hearing, the reinsurance commutation calculation shown in the current report is before any adjustment for the investment return over the period from the commutation date calculation to the current evaluation date.

A summary of the actual reinsurance recoveries and the estimated reinsurance recoverables related to both the specific and aggregate excess reinsurance purchased by NICA is shown in Exhibit I, Sheet 4c. The final amounts that will actually be recovered under the Gen Re reinsurance treaties may vary from the estimates as shown in Exhibit I, Sheets 4a, 4b and 4c. To the extent the final amounts collected vary from the amounts calculated and shown in Exhibit I, Sheets 4a, 4b and 4c, the net retained loss and expense reserves evaluated as of March 31, 2018 will require adjustment.

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, 2018

Assumptions :

(1) Prospective Inflation Rate (Est.)	3.50%
(2) Prospective Investment Return (Est.)	5.00%
(3) Incurred Loss Development Factor - 351 to Ult.	1.103

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	Incurred But Not Reported (IBNR) & Bulk		
					(7) - (5)	Total (a) Outstanding	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1989	11,104,092	14,820,290	14,337,104	8,670,399	2,901,716	11,572,115	25,909,219
1990	6,011,555	8,111,616	6,067,308	4,964,451	1,734,269	6,698,720	12,766,028
1991	18,701,264	21,391,911	8,881,496	14,141,662	2,034,633	16,176,295	25,057,791
1992	37,035,683	43,359,829	14,790,075	28,450,171	4,858,099	33,308,270	48,098,345
1993	24,643,897	30,802,050	19,596,791	18,677,022	4,667,117	23,344,139	42,940,930
1994	13,175,665	16,329,835	7,288,259	9,499,187	2,274,045	11,773,231	19,061,491
1995	22,357,155	26,037,053	10,173,105	16,981,946	2,795,161	19,777,106	29,950,211
1996	20,802,266	24,400,200	9,268,425	16,079,095	2,781,020	18,860,115	28,128,540
1997	27,643,813	32,718,017	12,102,903	20,464,421	3,756,379	24,220,800	36,323,702
1998	47,648,682	55,677,671	20,041,584	35,192,432	5,930,063	41,122,495	61,164,079
1999	14,500,036	18,355,635	11,970,110	11,303,080	3,005,520	14,308,600	26,278,710
2000	15,329,842	18,180,030	5,931,021	11,488,523	2,135,528	13,624,051	19,555,072
2001	21,600,951	24,768,018	7,427,496	16,219,676	2,378,080	18,597,757	26,025,252
2002	53,639,861	63,252,475	15,436,724	39,929,203	7,155,575	47,084,778	62,521,502
2003	13,604,921	16,000,824	4,439,571	10,769,644	1,896,595	12,666,238	17,105,810
2004	23,070,339	27,702,449	4,864,707	17,002,642	3,413,826	20,416,468	25,281,175
2005	25,078,015	32,386,639	7,211,469	17,800,296	5,187,638	22,987,933	30,199,402
2006	39,884,167	50,489,761	8,504,873	29,348,405	7,804,031	37,152,437	45,657,310
2007	29,298,569	38,724,507	9,020,232	21,968,980	7,067,861	29,036,841	38,057,073
2008	47,283,903	59,824,209	5,215,974	32,842,208	8,710,181	41,552,389	46,768,363
2009	51,882,557	67,394,664	6,594,291	37,382,412	11,176,781	48,559,193	55,153,484
2010	25,445,828	34,057,018	2,724,766	17,588,053	5,952,020	23,540,073	26,264,839
2011	43,484,841	61,190,800	3,906,899	29,815,202	12,140,018	41,955,219	45,862,119
2012	26,241,946	38,135,084	2,422,340	17,859,351	8,094,054	25,953,404	28,375,744
2013	27,383,555	45,647,325	3,291,551	18,536,473	12,363,109	30,899,582	34,191,133
2014	35,827,917	64,784,980	3,352,776	24,109,777	19,486,155	43,595,933	46,948,709
2015	26,449,557	59,207,291	1,547,419	17,702,836	21,924,934	39,627,769	41,175,188
2016	2,710,844	53,182,968	508,937	1,806,621	33,636,751	35,443,372	35,952,308
2017	5,626,264	74,780,095	170,743	3,725,830	45,795,117	49,520,946	49,691,689
2018 (3 Mo)	-	20,007,458	-	-	13,106,083	13,106,083	13,106,083
Totals:							
Excl. ULAE	757,467,982	1,141,720,701	227,088,947	550,319,995	266,162,358	816,482,353	1,043,571,300
ULAE (c)	N/A	N/A	N/A	-	12,799,671	12,799,671	N/A
Incl. ULAE	N/A	N/A	N/A	550,319,995	278,962,028	829,282,024	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 1 b 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, 2018

Birth Year	Incurring Amounts Related to Retroactive Payments (a) @ 3/31/18	Amounts Paid as of 3/31/18 Related to Retroactive Payments (a)	Case Reserves Related to Retroactive Payments (a) @ 3/31/18 (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 (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 &amp; 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, 2018

## Assumptions :

(1) Prospective Inflation Rate (Est.)	3.50%
(2) Prospective Investment Return (Est.)	5.00%
(3) Incurred Loss Development Factor - 351 to Ult.	1.103

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

Birth Year	Current Level Before Inflation and Present Value Adjust.		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	Actual (b) Paid Loss and Expense	Case (c) Outstanding (2) X (9)	Incurred But Not Reported (IBNR) & Bulk (7) - (5)				Total (c) Outstanding
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
1989	11,104,092	14,820,290	14,075,890	8,670,399	2,901,716	11,572,115	25,648,005	0.78083	
1990	6,011,555	8,111,616	5,309,257	4,964,451	1,734,269	6,698,720	12,007,977	0.82582	
1991	18,701,264	21,391,911	8,089,402	14,141,662	2,034,633	16,176,295	24,265,697	0.75619	
1992	37,035,683	43,359,829	12,838,930	28,450,171	4,858,099	33,308,270	46,147,200	0.76818	
1993	24,643,897	30,802,050	18,686,561	18,677,022	4,667,117	23,344,139	42,030,700	0.75788	
1994	13,175,665	16,329,835	6,654,064	9,499,187	2,274,045	11,773,231	18,427,295	0.72096	
1995	22,357,155	26,037,053	9,262,201	16,981,946	2,795,161	19,777,106	29,039,307	0.75958	
1996	20,802,266	24,400,200	8,471,404	16,079,095	2,781,020	18,860,115	27,331,519	0.77295	
1997	27,643,813	32,718,017	10,478,742	20,464,421	3,756,379	24,220,800	34,699,542	0.74029	
1998	47,648,682	55,677,671	18,034,955	35,192,432	5,930,063	41,122,495	59,157,449	0.73858	
1999	14,500,036	18,355,635	11,096,529	11,303,080	3,005,520	14,308,600	25,405,129	0.77952	
2000	15,319,842	18,170,030	5,341,114	11,478,523	2,135,528	13,614,051	18,955,165	0.74926	
2001	21,600,951	24,768,018	7,311,949	16,219,676	2,378,080	18,597,757	25,909,706	0.75088	
2002	53,639,861	63,252,475	14,596,137	39,929,203	7,155,575	47,084,778	61,680,915	0.74439	
2003	13,604,921	16,000,824	4,439,571	10,769,644	1,896,595	12,666,238	17,105,810	0.79160	
2004	23,070,339	27,702,449	4,864,707	17,002,642	3,413,826	20,416,468	25,281,175	0.73699	
2005	25,078,015	32,386,639	7,211,469	17,800,296	5,187,638	22,987,933	30,199,402	0.70980	
2006	39,884,167	50,489,761	8,504,873	29,348,405	7,804,031	37,152,437	45,657,310	0.73584	
2007	29,298,569	38,724,507	9,020,232	21,968,980	7,067,861	29,036,841	38,057,073	0.74983	
2008	47,283,903	59,824,209	5,215,974	32,842,208	8,710,181	41,552,389	46,768,363	0.69457	
2009	51,882,557	67,394,664	6,594,291	37,382,412	11,176,781	48,559,193	55,153,484	0.72052	
2010	25,445,828	34,057,018	2,724,766	17,588,053	5,952,020	23,540,073	26,264,839	0.69120	
2011	43,484,841	61,190,800	3,906,899	29,815,202	12,140,018	41,955,219	45,862,119	0.68565	
2012	26,241,946	38,135,084	2,422,340	17,859,351	8,094,054	25,953,404	28,375,744	0.68057	
2013	27,383,555	45,647,325	3,291,551	18,536,473	12,363,109	30,899,582	34,191,133	0.67692	
2014	35,827,917	64,784,980	3,352,776	24,109,777	19,486,155	43,595,933	46,948,709	0.67293	
2015	26,449,557	59,207,291	1,547,419	17,702,836	21,924,934	39,627,769	41,175,188	0.66931	
2016	2,710,844	53,182,968	508,937	1,806,621	33,636,751	35,443,372	35,952,308	0.66644	
2017	5,626,264	74,780,095	170,743	3,725,830	45,795,117	49,520,946	49,691,689	0.66222	
2018 (3 Mo)	-	20,007,458	-	-	13,106,083	13,106,083	13,106,083	0.65506	
Totals:									
Excl. ULAE	757,457,982	1,141,710,701	214,023,681	550,309,995	266,162,358	816,472,353	1,030,496,034	0.71513	
ULAE (d)	N/A	N/A	N/A	-	12,799,671	12,799,671	N/A	N/A	
Incl. ULAE	N/A	N/A	N/A	550,309,995	278,962,028	829,272,024	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, 2018

## Assumptions :

(1) Prospective Inflation Rate (Est.)	3.50%
(2) Prospective Investment Return (Est.)	5.00%
(3) Incurred Loss Development Factor - 351 to Ult.	1.103

	Outstanding Loss & ALAE (Case + Bulk + IBNR) @ 3/31/18 ----- (2)	Case Outstanding Loss & ALAE @ 3/31/18 ----- (3)	Bulk / IBNR Loss & ALAE @ 3/31/18 (2) - (3) ----- (4)
I. Excluding Case Reserves Related to Anticipated Retroactive Class Action Payments			
A. 2018 Level Basis (a)	1,141,710,701	757,457,982	384,252,718
B. Prospective Period Cost Basis			
1. Before Anticipated Investment Returns (b)	3,388,993,652	N/A	N/A
2. After Anticipated Investment Returns (b)	816,472,353	550,309,995	266,162,358
II. Including Case Reserves Related to Anticipated Retroactive Class Action Payments (c)			
A. 2018 Level Basis (d)	1,141,720,701	757,467,982	384,252,718
B. Prospective Period Cost Basis			
1. Before Anticipated Investment Returns	3,389,003,652	N/A	N/A
2. After Anticipated Investment Returns (d)	816,482,353	550,319,995	266,162,358

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, 2018

## Assumptions :

(1) Prospective Inflation Rate (Est.)	3.00%
(2) Prospective Investment Return (Est.)	5.00%
(3) Incurred Loss Development Factor - 351 to Ult.	1.103

	Outstanding Loss & ALAE (Case + Bulk + IBNR) @ 3/31/18 ----- (2)	Case Outstanding Loss & ALAE @ 3/31/18 ----- (3)	Bulk / IBNR Loss & ALAE @ 3/31/18 (2) - (3) ----- (4)
I. Excluding Case Reserves Related to Anticipated Retroactive Class Action Payments			
A. 2018 Level Basis (a)	1,141,710,701	757,457,982	384,252,718
B. Prospective Period Cost Basis			
1. Before Anticipated Investment Returns (b)	2,827,386,092	N/A	N/A
2. After Anticipated Investment Returns (b)	738,668,841	500,107,387	238,561,455
II. Including Case Reserves Related to Anticipated Retroactive Class Action Payments (c)			
A. 2018 Level Basis	1,141,720,701	757,467,982	384,252,718
B. Prospective Period Cost Basis			
1. Before Anticipated Investment Returns	2,827,396,092	N/A	N/A
2. After Anticipated Investment Returns	738,678,841	500,117,387	238,561,455

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, 2018

## Assumptions :

(1) Prospective Inflation Rate (Est.)	4.00%
(2) Prospective Investment Return (Est.)	5.00%
(3) Incurred Loss Development Factor - 351 to Ult.	1.103

	Outstanding Loss & ALAE (Case + Bulk + IBNR) @ 3/31/18 ----- (2)	Case Outstanding Loss & ALAE @ 3/31/18 ----- (3)	Bulk / IBNR Loss & ALAE @ 3/31/18 (2) - (3) ----- (4)
I. Excluding Case Reserves Related to Anticipated Retroactive Class Action Payments			
A. 2018 Level Basis (a)	1,141,710,701	757,457,982	384,252,718
B. Prospective Period Cost Basis			
1. Before Anticipated Investment Returns (b)	4,098,784,898	N/A	N/A
2. After Anticipated Investment Returns (b)	907,519,451	608,710,606	298,808,846
II. Including Case Reserves Related to Anticipated Retroactive Class Action Payments (c)			
A. 2018 Level Basis	1,141,720,701	757,467,982	384,252,718
B. Prospective Period Cost Basis			
1. Before Anticipated Investment Returns	4,098,794,898	N/A	N/A
2. After Anticipated Investment Returns	907,529,451	608,720,606	298,808,846

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, 2018

## Assumptions :

(1) Prospective Inflation Rate (Est.)	7.50%
(2) Prospective Investment Return (Est.)	9.00%
(3) Incurred Loss Development Factor - 351 to Ult.	1.103

	Outstanding Loss & ALAE (Case + Bulk + IBNR) @ 3/31/18 ----- (2)	Case Outstanding Loss & ALAE @ 3/31/18 ----- (3)	Bulk / IBNR Loss & ALAE @ 3/31/18 (2) - (3) ----- (4)
<b>I. Excluding Case Reserves Related to Anticipated Retroactive Class Action Payments</b>			
A. 2018 Level Basis (a)	1,141,710,701	757,457,982	384,252,718
<b>B. Prospective Period Cost Basis</b>			
1. Before Anticipated Investment Returns (b)	19,767,443,601	N/A	N/A
2. After Anticipated Investment Returns (b)	825,800,000	556,309,639	269,490,360
<b>II. Including Case Reserves Related to Anticipated Retroactive Class Action Payments (c)</b>			
A. 2018 Level Basis	1,141,720,701	757,467,982	384,252,718
<b>B. Prospective Period Cost Basis</b>			
1. Before Anticipated Investment Returns	19,767,453,601	N/A	N/A
2. After Anticipated Investment Returns	825,810,000	556,319,639	269,490,360

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, 2018

## Assumptions :

(1) Prospective Inflation Rate (Est.)	3.50%
(2) Prospective Investment Return (Est.)	5.00%
(3) Incurred Loss Development Factor - 351 to Ult.	1.203

	Outstanding Loss & ALAE (Case + Bulk + IBNR) @ 3/31/18 ----- (2)	Case Outstanding Loss & ALAE @ 3/31/18 ----- (3)	Bulk / IBNR Loss & ALAE @ 3/31/18 (2) - (3) ----- (4)
<b>I. Excluding Case Reserves Related to Anticipated Retroactive Class Action Payments</b>			
A. 2018 Level Basis (a)	1,270,978,878	757,457,982	513,520,895
<b>B. Prospective Period Cost Basis</b>			
1. Before Anticipated Investment Returns (b)	3,793,763,201	N/A	N/A
2. After Anticipated Investment Returns (b)	906,678,379	549,206,449	357,471,930
<b>II. Including Case Reserves Related to Anticipated Retroactive Class Action Payments (c)</b>			
A. 2018 Level Basis	1,270,988,878	757,467,982	513,520,895
<b>B. Prospective Period Cost Basis</b>			
1. Before Anticipated Investment Returns	3,793,773,201	N/A	N/A
2. After Anticipated Investment Returns	906,688,379	549,216,449	357,471,930

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, 2018

## Assumptions :

(1) Prospective Inflation Rate (Est.)	3.50%
(2) Prospective Investment Return (Est.)	5.00%
(3) Incurred Loss Development Factor - 351 to Ult.	1.003

	Outstanding Loss & ALAE (Case + Bulk + IBNR) @ 3/31/18 ----- (2)	Case Outstanding Loss & ALAE @ 3/31/18 ----- (3)	Bulk / IBNR Loss & ALAE @ 3/31/18 (2) - (3) ----- (4)
I. Excluding Case Reserves Related to Anticipated Retroactive Class Action Payments			
A. 2018 Level Basis (a)	1,012,841,561	757,457,982	255,383,579
B. Prospective Period Cost Basis			
1. Before Anticipated Investment Returns (b)	2,984,825,278	N/A	N/A
2. After Anticipated Investment Returns (b)	726,607,132	551,671,574	174,935,558
II. Including Case Reserves Related to Anticipated Retroactive Class Action Payments (c)			
A. 2018 Level Basis	1,012,851,561	757,467,982	255,383,579
B. Prospective Period Cost Basis			
1. Before Anticipated Investment Returns	2,984,835,278	N/A	N/A
2. After Anticipated Investment Returns	726,617,132	551,681,574	174,935,558

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		
	2018 Level Basis (a) Before Invest. Income	After Inflation Before (b) Invest. Income	After (c) Inflation and Invest. Income		2018 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)
2018	23,644,352	23,951,353	23,517,116	2068	8,986,047	50,619,897	4,360,728
2019	22,176,725	23,151,165	21,781,422	2069	8,546,117	49,826,658	4,087,993
2020	26,361,799	28,483,335	25,522,012	2070	8,090,219	48,819,524	3,814,632
2021	25,655,135	28,689,993	24,483,033	2071	7,672,598	47,919,921	3,566,038
2022	27,221,505	31,507,113	25,606,728	2072	7,481,023	48,358,736	3,427,326
2023	24,788,199	29,694,896	22,984,655	2073	7,174,463	48,000,274	3,239,925
2024	29,049,346	36,017,498	26,550,972	2074	6,437,724	44,578,660	2,865,688
2025	24,743,416	31,752,447	22,292,295	2075	6,042,580	43,306,935	2,651,368
2026	24,728,548	32,844,034	21,960,629	2076	5,667,663	42,041,616	2,451,335
2027	27,208,800	37,403,102	23,818,072	2077	5,567,173	42,741,565	2,373,474
2028	24,985,514	35,548,957	21,559,394	2078	4,948,067	39,318,018	2,079,392
2029	24,753,295	36,451,210	21,053,889	2079	4,610,197	37,915,421	1,909,727
2030	24,565,145	37,440,240	20,595,375	2080	4,448,611	37,867,029	1,816,466
2031	27,497,793	43,376,796	22,724,758	2081	3,972,763	35,000,143	1,598,993
2032	25,774,560	42,081,503	20,996,346	2082	3,756,600	34,254,093	1,490,390
2033	24,072,824	40,678,730	19,329,943	2083	3,382,635	31,923,677	1,322,852
2034	23,842,800	41,700,180	18,871,735	2084	3,104,884	30,327,985	1,196,885
2035	23,960,092	43,372,006	18,693,650	2085	2,851,190	28,824,695	1,083,389
2036	23,736,910	44,471,887	18,254,959	2086	2,604,886	27,256,345	975,659
2037	25,407,804	49,268,446	19,260,824	2087	2,506,861	27,148,722	925,530
2038	25,874,522	51,929,533	19,334,418	2088	2,148,474	24,081,845	781,882
2039	23,377,026	48,559,218	17,218,649	2089	1,946,075	22,576,648	698,107
2040	23,145,540	49,761,114	16,804,601	2090	1,764,799	21,190,221	624,035
2041	22,848,327	50,841,404	16,351,829	2091	1,587,595	19,729,693	553,355
2042	23,227,981	53,495,217	16,386,057	2092	1,435,050	18,458,142	493,040
2043	21,709,200	51,747,295	15,095,860	2093	1,248,099	16,615,384	422,684
2044	21,530,719	53,118,122	14,757,868	2094	1,118,010	15,404,496	373,219
2045	22,575,820	57,645,853	15,253,155	2095	972,269	13,865,271	319,930
2046	20,312,512	53,681,979	13,527,914	2096	855,815	12,631,716	277,587
2047	21,015,339	57,483,293	13,796,046	2097	759,144	11,597,038	242,714
2048	19,039,576	53,901,748	12,320,449	2098	641,906	10,149,257	202,299
2049	18,488,478	54,173,524	11,792,924	2099	557,696	9,126,439	173,249
2050	17,891,175	54,258,171	11,248,905	2100	471,864	7,992,087	144,491
2051	17,277,620	54,231,367	10,707,950	2101	408,115	7,154,292	123,185
2052	18,640,318	60,556,434	11,387,458	2102	335,363	6,084,705	99,779
2053	16,287,974	54,766,427	9,808,252	2103	278,651	5,232,695	81,722
2054	15,683,813	54,580,729	9,309,519	2104	234,339	4,554,602	67,744
2055	15,192,498	54,721,403	8,889,060	2105	188,853	3,798,994	53,815
2056	14,812,965	55,221,776	8,543,182	2106	150,466	3,132,737	42,264
2057	15,179,174	58,567,525	8,629,326	2107	123,089	2,652,432	34,080
2058	13,734,462	54,847,992	7,696,468	2108	101,150	2,255,969	27,606
2059	14,112,810	58,331,469	7,795,506	2109	74,111	1,710,758	19,937
2060	12,720,822	54,418,300	6,926,233	2110	60,092	1,435,697	15,935
2061	12,268,153	54,318,695	6,584,338	2111	42,968	1,062,505	11,231
2062	12,229,424	56,042,370	6,469,787	2112	32,848	840,691	8,463
2063	11,274,607	53,475,180	5,879,447	2113	26,075	690,695	6,622
2064	10,810,294	53,067,508	5,556,785	2114	18,357	503,271	4,595
2065	10,401,996	52,850,392	5,270,524	2115	12,590	357,244	3,107
2066	10,456,422	54,986,363	5,222,414	2116	10,941	321,314	2,661
2067	9,956,846	54,191,856	4,901,862	2117	2,624	79,755	629
Subtotals:	1,016,250,975	2,347,657,147	763,324,593	Subtotals:	125,459,726	1,041,336,505	53,147,760
				Totals - All Years	1,141,710,701	3,388,993,652	816,472,353

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, 2018 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, 2018

Birth Year	Prior to Reinsurance Recoverables			Specific X/S Recovery		Aggregate X/S Recovery				Net of Reinsurance Basis			
	Total O/S Loss and Exp. After Inflation and P.V. (a)	Actual (b) Paid Loss and Expense	Current Value Ultimate Loss & ALAE (2) + (3)	Actual Recovered (c) @ 3/31/18	Calculated Recoverable on Case O/S & Case Development Combined (d)	Calculated Recoverable on Case O/S & Case Development Combined (e)	Experience Refund Received to Date (g)	Additional Experience Refund Recoverable (h)	Paid Loss & Expense (3)-(5)-(7)-(9)	Outstanding Loss and Expense After Inflation and P.V. (2)-(6)-(8)-(10)	Indicated Ultimate and P.V. (11) + (12)		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1989	11,572,115	14,337,104	25,909,219								14,337,104	11,572,115	25,909,219
1990	6,698,720	6,067,308	12,766,028								6,067,308	6,698,720	12,766,028
1991	16,176,295	8,881,496	25,057,791								8,881,496	16,176,295	25,057,791
1992	33,308,270	14,790,075	48,098,345	-	-	477,375	-	-			14,312,700	33,308,270	47,620,970
1993	23,344,139	19,596,791	42,940,930	11,408,065	-	10,000,000	-	-			(1,811,274)	23,344,139	21,532,865
1994	11,773,231	7,288,259	19,061,491	1,726,833	-	-	-	423,375			5,138,051	11,773,231	16,911,283
1995	19,777,106	10,173,105	29,950,211	2,497,577	-	-	-	375,000			7,300,528	19,777,106	27,077,634
1996	18,860,115	9,268,425	28,128,540	959,723	-	-	-	408,750			7,899,952	18,860,115	26,760,067
1997	24,220,800	12,102,903	36,323,702	2,132,728	-	-	-	423,750			9,546,424	24,220,800	33,767,224
1998	41,122,495	20,041,584	61,164,079	2,683,139	-	-	-	-			17,358,446	41,122,495	58,480,940
1999	14,308,600	11,970,110	26,278,710	3,143,106	-	2,597,638	-	-	142,405		6,229,367	14,166,195	20,395,562
2000	13,624,051	5,931,021	19,555,072	2,150,848	-	-	-	-	142,405		3,780,174	13,481,646	17,261,820
2001	18,597,757	7,427,496	26,025,252	2,708,409	-	-	-	-	142,405		4,719,086	18,455,352	23,174,438
2002	47,084,778	15,436,724	62,521,502	-	8,151,108	-	11,527,188	-	-		15,436,724	27,406,481	42,843,206
2003	12,666,238	4,439,571	17,105,810	-	2,000,362	-	-	-	-		4,439,571	10,665,876	15,105,447
2004	20,416,468	4,864,707	25,281,175	-	-	-	-	-	-		4,864,707	20,416,468	25,281,175
2005	22,987,933	7,211,469	30,199,402	-	-	-	-	-	-		7,211,469	22,987,933	30,199,402
2006	37,152,437	8,504,873	45,657,310	-	-	-	-	-	-		8,504,873	37,152,437	45,657,310
2007	29,036,841	9,020,232	38,057,073	-	-	-	-	-	-		9,020,232	29,036,841	38,057,073
2008	41,552,389	5,215,974	46,768,363	-	-	-	-	-	-		5,215,974	41,552,389	46,768,363
2009	48,559,193	6,594,291	55,153,484	-	-	-	-	-	-		6,594,291	48,559,193	55,153,484
2010	23,540,073	2,724,766	26,264,839	-	-	-	-	-	-		2,724,766	23,540,073	26,264,839
2011	41,955,219	3,906,899	45,862,119	-	-	-	-	-	-		3,906,899	41,955,219	45,862,119
2012	25,953,404	2,422,340	28,375,744	-	-	-	-	-	-		2,422,340	25,953,404	28,375,744
2013	30,899,582	3,291,551	34,191,133	-	-	-	-	-	-		3,291,551	30,899,582	34,191,133
2014	43,595,933	3,352,776	46,948,709	-	-	-	-	-	-		3,352,776	43,595,933	46,948,709
2015	39,627,769	1,547,419	41,175,188	-	-	-	-	-	-		1,547,419	39,627,769	41,175,188
2016	35,443,372	508,937	35,952,308	-	-	-	-	-	-		508,937	35,443,372	35,952,308
2017	49,520,946	170,743	49,691,689	-	-	-	-	-	-		170,743	49,520,946	49,691,689
2018 (3 Mo)	13,106,083	-	13,106,083	-	-	-	-	-	-		-	13,106,083	13,106,083
Totals:													
Excl. ULAE	816,482,353	227,088,947	1,043,571,300	29,410,427	10,151,471	13,075,013	11,527,188	1,630,875	427,215	182,972,632	794,376,480	977,349,112	
ULAE (i)											N/A	12,799,671	N/A
Incl. ULAE											N/A	807,176,150	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, Column (4).
- (d) See Exhibit I, Sheet 4b, Column (7).
- (e) See Exhibit I, Sheet 4b, Column (10).
- (f) See Exhibit I, Sheet 4b, Column (13).
- (g) See Exhibit I, Sheet 4b, Column (14).
- (h) See Exhibit I, Sheet 4b, Column (15).
- (i) See Exhibit I, Sheet 5a.

Summary of Estimated Reinsurance Recoveries / Recoverables

Evaluated As of March 31, 2018

Birth Year	Specific Excess Reinsurance (a)						Aggregate Excess Reinsurance (a)						Experience Refund Received to Date (d)	Additional Experience Refund Recoverable (e)
	Retention	Excess Layer	Actual Recovered (b) @ 3/31/18	Calculated (c) Recoverable on Case O/S	Calculated (c) Recoverable on Estimated Case Development	Calculated (c) Recoverable on Case O/S & Case Development Combined (5) + (6)	Retention	Excess Layer	Actual Recovered (b) @ 3/31/18	Calculated (c) Recoverable on Case O/S	Calculated (c) Recoverable on Estimated Case Development	Calculated (c) Recoverable on Case O/S & Case Development Combined (11) + (12)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
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	-	Commuted			21,530,000	10,000,000	477,375	Commuted				
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	-	-	-		142,405
2000	4,250,000	2,500,000	2,150,848	-	-	-	20,000,000	13,000,000	-	-	-	-		142,405
2001	4,250,000	2,500,000	2,708,409	-	-	-	20,000,000	13,000,000	-	-	-	-		142,405
2002	4,250,000	2,500,000		7,117,767	1,033,342	8,151,108	20,000,000	13,000,000		10,523,676	1,003,511	11,527,188		
2003	4,250,000	2,500,000		1,628,508	371,855	2,000,362	20,000,000	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 (3 Mo)	100%	N/A												
Totals:			29,410,427	8,746,275	1,405,196	10,151,471			13,075,013	10,523,676	1,003,511	11,527,188	1,630,875	427,215

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 estimates as developed for birth years 1999 to 2003. The reinsurance treaties provided by AUL/RMS and Munich Re have been commuted. The actual amounts that will be received for birth years 1999 to 2003 are subject to final decisions related to current arbitration proceedings between NICA and General Reinsurance Corporation. A Panel Award related to Phase I of these proceedings was received March 26, 2018.

(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) See Exhibit I, Sheet 4c, Item I. The remaining recoverables include an aggregate only layer (\$3.0 million excess of \$20.0 million) related to birth years 1999 to 2001 and both aggregate and specific excess layers related to birth years 2002 and 2003. All remaining specific and aggregate excess recoveries are related to treaties provided by General Reinsurance Corporation. Since the amount received for these birth years will be based on the final results of current arbitration proceedings, the ultimate amount may vary, perhaps significantly, from the amounts shown. The amounts as shown above are based on our understanding the issues as provided in the Phase I Panel Award of the current arbitration proceedings plus our current estimate of the assumptions that will be decided in Phase II of the arbitration proceedings. The most significant remaining assumptions in order of estimated impact include interest rate to be used in the adjustment from the arbitration date to the current evaluation, mortality adjustment, aggregate attachment applicable to birth year 2002, and loss development adjustment. NICA's position is the interest rate used in each adjustment should be the rate actually realized by NICA on their investments during the time horizon. Due to the uncertainty with regard to the final arbitration results, the estimated remaining reinsurance recoverable shown above is based on amount shown in Item I of Exhibit I, Sheet 4c which is prior to the adjustment for invest returns that would have been realized from the commutation date to the current time.

(d) Actual experience refund received to date.

(e) Additional experience refund recoverable from General Reinsurance Corporation (Gen Re) related to birth years from 1999 to 2001. The total gross premium for these birth years (1999 - 2001) before consideration of loss and administrative expenses paid by Gen Re is \$1,265,822. The ultimate loss paid by Gen Re for these birth years (1999 - 2001) is zero, and the administrative expense amount is \$411,392 (32.5% of the total gross premium). The total net profit for these birth years (1999 - 2001) is \$854,430 (\$1,265,822 - \$411,392). Per Article XV of the treaty, Gen Re owes NICA 50% of this net profit, and the amount is \$427,215. This recoverable amount is before any interest that may be awarded, and allocated to each birth year from 1999 to 2001.

Estimated Reinsurance Recovery  
Birth Years 1999 - 2003

Evaluated As of March 31, 2018

Birth Year	Specific Excess Recovery			Aggregate Excess Recovery			Combined Specific and Aggregate Excess Recovery		
	Calculated Recoverable on Case O/S	Calculated Recoverable on Estimated Case Development	Calculated Recoverable on Case O/S & Case Development Combined (2) + (3)	Calculated Recoverable on Case O/S	Calculated Recoverable on Estimated Case Development	Calculated Recoverable on Case O/S & Case Development Combined (5) + (6)	Calculated Recoverable on Case O/S	Calculated Recoverable on Estimated Case Development	Calculated Recoverable on Case O/S & Case Development Combined (4) + (7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<b>I. Evaluated As of 84 Months From End of Treaty Term (a)</b>									
1999	-	-	-	-	-	-	-	-	-
2000	-	-	-	-	-	-	-	-	-
2001	-	-	-	-	-	-	-	-	-
2002	7,117,767	1,033,342	8,151,108	10,523,676	1,003,511	11,527,188	17,641,443	2,036,853	19,678,296
2003	1,628,508	371,855	2,000,362	-	-	-	1,628,508	371,855	2,000,362
Totals:	8,746,275	1,405,196	10,151,471	10,523,676	1,003,511	11,527,188	19,269,951	2,408,707	21,678,659
<b>II. Trended to 12/31/17 Based on Average Return Realized by NICA over Each Period (b) (i.e. 7.49% for Birth Year 2002 and 6.67% for Birth Year 2003)</b>									
1999	-	-	-	-	-	-	-	-	-
2000	-	-	-	-	-	-	-	-	-
2001	-	-	-	-	-	-	-	-	-
2002	12,684,935	1,841,571	14,526,506	18,754,781	1,788,409	20,543,189	31,439,716	3,629,979	35,069,695
2003	2,559,092	584,345	3,143,437	-	-	-	2,559,092	584,345	3,143,437
Totals:	15,244,027	2,425,916	17,669,943	18,754,781	1,788,409	20,543,189	33,998,808	4,214,324	38,213,132
<b>III. Trended to 12/31/17 Based on Assumed Investment Rate of 5.00% (b)</b>									
1999	-	-	-	-	-	-	-	-	-
2000	-	-	-	-	-	-	-	-	-
2001	-	-	-	-	-	-	-	-	-
2002	10,516,183	1,526,716	12,042,899	15,548,263	1,482,643	17,030,906	26,064,446	3,009,359	29,073,806
2003	2,291,474	523,237	2,814,711	-	-	-	2,291,474	523,237	2,814,711
Totals:	12,807,657	2,049,953	14,857,610	15,548,263	1,482,643	17,030,906	28,355,920	3,532,596	31,888,516
<b>IV. Trended to 12/31/17 Based on Assumed Investment Rate of 1.50% (b)</b>									
1999	-	-	-	-	-	-	-	-	-
2000	-	-	-	-	-	-	-	-	-
2001	-	-	-	-	-	-	-	-	-
2002	8,018,112	1,164,052	9,182,163	11,854,844	1,130,448	12,985,292	19,872,955	2,294,500	22,167,455
2003	1,807,391	412,701	2,220,092	-	-	-	1,807,391	412,701	2,220,092
Totals:	9,825,503	1,576,753	11,402,255	11,854,844	1,130,448	12,985,292	21,680,346	2,707,201	24,387,547

Notes: (a) Estimated recovery evaluated at point in time 84 months from end of treaty year as specified in Phase I Award of NICA / Gen Re arbitration. For example, the treaty covering birth year 2002 based on loss information evaluated as of 12/31/09, and all values are discounted to 12/31/09. The loss experience used in the estimation of reinsurance recovery applicable to birth year 2002 would be evaluated 84 months after the expiration of the 2002 treaty or as of December 31, 2009.

(b) The Phase I Award specified the evaluation date applicable to each treaty year. However, the interest rate that is to be used in the adjustment of the reinsurance recovery from the specified evaluation date (e.g. December 31, 2009) to the current date (e.g. December 31, 2017) was not specified in the Phase I Award. Three alternative interest rates are shown in order to illustrate the potential uncertainty. NICA's position is that the funds would have been included with their other investments and thus the appropriate rate is the actual return realized by NICA over each time horizon. This alternative is shown in Item II above.

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

Evaluated As of March 31, 2018

I. ULAE Reserve Related to Settlement of Outstanding Claims (a)	11,849,671
II. ULAE Reserve Related to Collection of Reinsurance Recoveries on Claims Incurred Prior to March 31, 2018 (b) \$ 950,000 x 1	950,000
III. Total ULAE Reserve (I) + (II)	12,799,671

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, 2018

Assumptions:

1. Estimated Calendar Year 2018 Level ULAE Payment (a):	602,912
2. Prospective Inflation Rate - Expense (b):	3.00%
3. Prospective Investment Return (b):	5.00%

Year	2018 Level Expense	Prospective Loss Level (Inflation) Factor	Present Value Factor	Before Mortality			After Mortality	
				Prospective Level Expense (2) x (3)	Present Value of Prospective Level Expense (5) x (4)	Weighted Average Probability of Survival	Prospective Level Expense (5) x (7)	Present Value of Prospective Level Expense (6) x (7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	602,912	1.015	0.976	611,889	597,142	0.9764	597,440	583,042
2	602,912	1.045	0.929	630,246	585,768	0.9578	603,645	561,045
3	602,912	1.077	0.885	649,153	574,611	0.9392	609,711	539,698
4	602,912	1.109	0.843	668,627	563,666	0.9207	615,622	518,981
5	602,912	1.142	0.803	688,686	552,929	0.9022	621,362	498,877
6	602,912	1.177	0.765	709,347	542,397	0.8838	626,917	479,368
7	602,912	1.212	0.728	730,627	532,066	0.8654	632,272	460,440
8	602,912	1.248	0.694	752,546	521,931	0.8470	637,409	442,077
9	602,912	1.286	0.661	775,122	511,990	0.8287	642,312	424,265
10	602,912	1.324	0.629	798,376	502,238	0.8104	646,964	406,988
11	602,912	1.364	0.599	822,327	492,671	0.7921	651,347	390,234
12	602,912	1.405	0.571	846,997	483,287	0.7738	655,444	373,989
13	602,912	1.447	0.543	872,407	474,081	0.7557	659,239	358,242
14	602,912	1.490	0.518	898,579	465,051	0.7375	662,719	342,984
15	602,912	1.535	0.493	925,537	456,193	0.7194	665,870	328,204
16	602,912	1.581	0.469	953,303	447,504	0.7014	668,677	313,893
17	602,912	1.629	0.447	981,902	438,980	0.6835	671,124	300,040
18	602,912	1.677	0.426	1,011,359	430,618	0.6656	673,193	286,634
19	602,912	1.728	0.406	1,041,700	422,416	0.6478	674,864	273,662
20	602,912	1.780	0.386	1,072,951	414,370	0.6301	676,114	261,113
21	602,912	1.833	0.368	1,105,139	406,477	0.6125	676,923	248,977
22	602,912	1.888	0.350	1,138,294	398,735	0.5950	677,269	237,242
23	602,912	1.945	0.334	1,172,442	391,140	0.5775	677,126	225,897
24	602,912	2.003	0.318	1,207,616	383,690	0.5602	676,468	214,931
25	602,912	2.063	0.303	1,243,844	376,381	0.5429	675,269	204,333
26	602,912	2.125	0.288	1,281,159	369,212	0.5257	673,500	194,093
27	602,912	2.189	0.274	1,319,594	362,180	0.5086	671,133	184,201
28	602,912	2.254	0.261	1,359,182	355,281	0.4916	668,143	174,648
29	602,912	2.322	0.249	1,399,957	348,514	0.4747	664,503	165,425
30	602,912	2.392	0.237	1,441,956	341,875	0.4578	660,188	156,525
31	602,912	2.463	0.226	1,485,215	335,363	0.4411	655,175	147,939
32	602,912	2.537	0.215	1,529,771	328,976	0.4245	649,439	139,661
33	602,912	2.613	0.205	1,575,664	322,709	0.4081	642,955	131,682
34	602,912	2.692	0.195	1,622,934	316,562	0.3917	635,700	123,997
35	602,912	2.773	0.186	1,671,622	310,533	0.3755	627,655	116,598
36	602,912	2.856	0.177	1,721,771	304,618	0.3594	618,802	109,479
37	602,912	2.941	0.168	1,773,424	298,816	0.3435	609,125	102,635
38	602,912	3.030	0.160	1,826,627	293,124	0.3277	598,609	96,060
39	602,912	3.121	0.153	1,881,426	287,541	0.3121	587,245	89,749
40	602,912	3.214	0.146	1,937,869	282,064	0.2967	575,023	83,697
41	602,912	3.311	0.139	1,996,005	276,691	0.2815	561,944	77,898
42	602,912	3.410	0.132	2,055,885	271,421	0.2666	548,012	72,349
43	602,912	3.512	0.126	2,117,561	266,251	0.2518	533,238	67,047
44	602,912	3.618	0.120	2,181,088	261,179	0.2373	517,643	61,986
45	602,912	3.726	0.114	2,246,521	256,204	0.2231	501,255	57,166
46	602,912	3.838	0.109	2,313,916	251,324	0.2092	484,109	52,581
47	602,912	3.953	0.103	2,383,334	246,537	0.1956	466,250	48,230
48	602,912	4.072	0.099	2,454,834	241,841	0.1824	447,731	44,109
49	602,912	4.194	0.094	2,528,479	237,235	0.1695	428,613	40,215
50	602,912	4.320	0.089	2,604,333	232,716	0.1570	408,968	36,544
Totals:	30,145,600			69,019,146	19,365,101		30,710,259	11,849,671

Notes: (a) Estimated current level (2018) 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 2018 Level Basis - Before Future Inflation & Anticipated Investment Income

Before Consideration of Reinsurance Recoveries

Reserve @ 3/31/18 1,141,710,701

Calendar Year	Estimated Prospective Period Payments 2018 Level Basis (a)	Calendar Year	Estimated Prospective Period Payments 2018 Level Basis (a)
----- (1)	----- (2)	----- (3)	----- (4)
2018	23,644,352	2068	8,986,047
2019	22,176,725	2069	8,546,117
2020	26,361,799	2070	8,090,219
2021	25,655,135	2071	7,672,598
2022	27,221,505	2072	7,481,023
2023	24,788,199	2073	7,174,463
2024	29,049,346	2074	6,437,724
2025	24,743,416	2075	6,042,580
2026	24,728,548	2076	5,667,663
2027	27,208,800	2077	5,567,173
2028	24,985,514	2078	4,948,067
2029	24,753,295	2079	4,610,197
2030	24,565,145	2080	4,448,611
2031	27,497,793	2081	3,972,763
2032	25,774,560	2082	3,756,600
2033	24,072,824	2083	3,382,635
2034	23,842,800	2084	3,104,884
2035	23,960,092	2085	2,851,190
2036	23,736,910	2086	2,604,886
2037	25,407,804	2087	2,506,861
2038	25,874,522	2088	2,148,474
2039	23,377,026	2089	1,946,075
2040	23,145,540	2090	1,764,799
2041	22,848,327	2091	1,587,595
2042	23,227,981	2092	1,435,050
2043	21,709,200	2093	1,248,099
2044	21,530,719	2094	1,118,010
2045	22,575,820	2095	972,269
2046	20,312,512	2096	855,815
2047	21,015,339	2097	759,144
2048	19,039,576	2098	641,906
2049	18,488,478	2099	557,696
2050	17,891,175	2100	471,864
2051	17,277,620	2101	408,115
2052	18,640,318	2102	335,363
2053	16,287,974	2103	278,651
2054	15,683,813	2104	234,339
2055	15,192,498	2105	188,853
2056	14,812,965	2106	150,466
2057	15,179,174	2107	123,089
2058	13,734,462	2108	101,150
2059	14,112,810	2109	74,111
2060	12,720,822	2110	60,092
2061	12,268,153	2111	42,968
2062	12,229,424	2112	32,848
2063	11,274,607	2113	26,075
2064	10,810,294	2114	18,357
2065	10,401,996	2115	12,590
2066	10,456,422	2116	10,941
2067	9,956,846	2117	2,624
Subtotals:	1,016,250,975	Subtotals:	125,459,726
		Totals - All Years	1,141,710,701

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

Estimated Prospective Period Loss & ALAE Payments - By Birth Year  
Estimated 2018 Level Basis - Before Future Inflation & Anticipated Investment Income

Before Consideration of Reinsurance Recoveries  
Evaluated As of March 31, 2018

Calendar Year ----- (1)	Totals All BY'S (c) ----- (2)
Reserve @ 3/31/18 (a)	1,141,710,701

**Estimated Prospective Period Loss & Expense Payments - 2018 Level Basis - (b)**

2018	23,644,352
2019	22,176,725
2020	26,361,799
2021	25,655,135
2022	27,221,505
2023	24,788,199
2024	29,049,346
2025	24,743,416
2026	24,728,548
2027	27,208,800
2028	24,985,514
2029	24,753,295
2030	24,565,145
2031	27,497,793
2032	25,774,560
2033	24,072,824
2034	23,842,800
2035	23,960,092
2036	23,736,910
2037	25,407,804
2038	25,874,522
2039	23,377,026
2040	23,145,540
2041	22,848,327
2042	23,227,981
2043	21,709,200
2044	21,530,719
2045	22,575,820
2046	20,312,512
2047	21,015,339
2048	19,039,576
2049	18,488,478
2050	17,891,175
2051	17,277,620
2052	18,640,318
2053	16,287,974
2054	15,683,813
2055	15,192,498
2056	14,812,965
2057	15,179,174
2058	13,734,462
2059	14,112,810
2060	12,720,822
2061	12,268,153
2062	12,229,424
2063	11,274,607
2064	10,810,294
2065	10,401,996
2066	10,456,422
2067	9,956,846
Subtotals 2018 to 2067:	1,016,250,975

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, and 5a.



Estimated Prospective Period Loss & ALAE Payments - By Birth Year  
Estimated 2018 Level Basis - Before Future Inflation & Anticipated Investment Income

Before Consideration of Reinsurance Recoveries  
Evaluated As of March 31, 2018

Calendar Year ----- (1)	Totals All BY'S (c) ----- (2)
Reserve @ 3/31/18 (a)	1,141,710,701

**Estimated Prospective Period Loss & Expense Payments - 2018 Level Basis - (b)**

2068	8,986,047
2069	8,546,117
2070	8,090,219
2071	7,672,598
2072	7,481,023
2073	7,174,463
2074	6,437,724
2075	6,042,580
2076	5,667,663
2077	5,567,173
2078	4,948,067
2079	4,610,197
2080	4,448,611
2081	3,972,763
2082	3,756,600
2083	3,382,635
2084	3,104,884
2085	2,851,190
2086	2,604,886
2087	2,506,861
2088	2,148,474
2089	1,946,075
2090	1,764,799
2091	1,587,595
2092	1,435,050
2093	1,248,099
2094	1,118,010
2095	972,269
2096	855,815
2097	759,144
2098	641,906
2099	557,696
2100	471,864
2101	408,115
2102	335,363
2103	278,651
2104	234,339
2105	188,853
2106	150,466
2107	123,089
2108	101,150
2109	74,111
2110	60,092
2111	42,968
2112	32,848
2113	26,075
2114	18,357
2115	12,590
2116	10,941
2117	2,624
Subtotals 2068 to 2117:	125,459,726
Totals 2018 to 2117:	1,141,710,701

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, and 5a.

Estimated Prospective Period Loss & ALAE Payments - By Birth Year  
Estimated 2018 Level Basis - Before Future Inflation & Anticipated Investment Income

Before Consideration of Reinsurance Recoveries  
Evaluated As of March 31, 2018

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 @ 3/31/18 (a)	67,394,664	34,057,018	61,190,800	38,135,084	45,647,325	64,784,980	59,207,291	53,182,968	74,780,095	20,007,458

**Estimated Prospective Period Loss & Expense Payments - 2018 Level Basis - (b)**

2018	1,348,063	359,991	636,804	436,561	689,663	811,095	832,438	824,733	801,119	65,088
2019	802,325	452,495	850,432	521,289	683,610	1,282,276	970,406	976,944	1,521,769	283,843
2020	1,634,584	513,580	801,719	522,124	612,214	953,266	1,150,599	854,147	1,351,968	404,382
2021	1,591,347	649,003	909,949	492,217	613,195	853,708	855,376	1,012,753	1,182,032	359,260
2022	1,745,946	577,679	1,149,887	558,665	578,071	855,076	766,041	752,898	1,401,522	314,103
2023	1,537,139	600,993	1,023,518	705,975	656,109	806,097	767,268	674,266	1,041,916	372,428
2024	1,878,172	608,774	1,064,825	628,391	829,114	914,917	723,319	675,346	933,099	276,870
2025	1,463,501	708,972	1,078,611	653,751	737,997	1,156,165	820,965	636,662	934,594	247,954
2026	1,441,207	636,381	1,256,139	662,215	767,781	1,029,106	1,037,439	722,610	881,061	248,351
2027	1,652,952	638,080	1,127,524	771,209	777,721	1,070,639	923,428	913,150	1,000,001	234,125
2028	1,369,469	640,524	1,130,535	692,246	905,726	1,084,500	960,696	812,797	1,263,684	265,731
2029	1,347,219	622,886	1,134,865	694,094	812,990	1,262,998	973,134	845,600	1,124,809	335,800
2030	1,388,574	637,457	1,103,614	696,753	815,161	1,133,681	1,133,302	856,548	1,170,204	298,897
2031	1,991,198	684,779	1,129,431	677,566	818,283	1,136,708	1,017,264	997,527	1,185,355	310,960
2032	1,783,268	756,756	1,213,274	693,416	795,750	1,141,062	1,019,980	895,391	1,380,452	314,986
2033	1,588,533	775,104	1,340,801	744,892	814,364	1,109,640	1,023,887	897,782	1,239,109	366,829
2034	1,548,633	812,392	1,373,310	823,187	874,819	1,135,598	995,692	901,221	1,242,418	329,270
2035	1,521,596	790,596	1,439,377	843,146	966,771	1,219,899	1,018,984	876,404	1,247,176	330,149
2036	1,531,455	780,642	1,400,759	883,708	990,211	1,348,122	1,094,628	896,905	1,212,832	331,414
2037	1,687,206	803,249	1,383,122	859,998	1,037,848	1,380,809	1,209,684	963,487	1,241,204	322,287
2038	1,722,813	797,274	1,423,177	849,170	1,010,003	1,447,236	1,239,015	1,064,759	1,333,345	329,827
2039	1,412,521	804,921	1,412,590	873,762	997,286	1,408,407	1,298,620	1,090,575	1,473,492	354,311
2040	1,373,789	771,625	1,426,140	867,262	1,026,167	1,390,674	1,263,779	1,143,040	1,509,219	391,553
2041	1,341,441	749,721	1,367,146	875,581	1,018,534	1,430,948	1,247,867	1,112,373	1,581,824	401,047
2042	1,408,321	722,027	1,328,337	839,362	1,028,303	1,420,303	1,284,005	1,098,367	1,539,384	420,340
2043	1,260,361	705,335	1,279,269	815,535	985,767	1,433,927	1,274,453	1,130,175	1,520,001	409,062
2044	1,228,843	683,583	1,249,696	785,410	957,784	1,374,611	1,286,678	1,121,768	1,564,021	403,912
2045	1,399,503	669,123	1,211,155	767,253	922,404	1,335,590	1,233,453	1,132,528	1,552,386	415,609
2046	1,151,195	643,027	1,185,535	743,591	901,080	1,286,255	1,198,439	1,085,680	1,567,277	412,517
2047	1,266,169	623,140	1,139,299	727,862	873,291	1,256,519	1,154,170	1,054,861	1,502,445	416,474
2048	1,080,787	614,053	1,104,065	699,475	854,818	1,217,768	1,127,488	1,015,895	1,459,795	399,247
2049	1,046,305	596,353	1,087,964	677,842	821,480	1,192,009	1,092,716	992,410	1,405,871	387,913
2050	1,016,550	581,513	1,056,603	667,957	796,074	1,145,520	1,069,602	961,804	1,373,371	373,584
2051	978,755	565,787	1,030,311	648,703	784,465	1,110,093	1,027,887	941,459	1,331,016	364,948
2052	1,189,814	543,697	1,002,447	632,561	761,853	1,093,904	996,098	904,742	1,302,861	353,692
2053	916,797	527,064	963,308	615,454	742,895	1,062,373	981,572	876,761	1,252,049	346,211
2054	880,872	512,675	933,839	591,425	722,804	1,035,937	953,278	863,975	1,213,327	332,709
2055	849,144	497,786	908,345	573,332	694,584	1,007,921	929,557	839,071	1,195,633	322,419
2056	821,135	478,830	881,964	557,680	673,335	968,568	904,418	818,192	1,161,169	317,717
2057	888,633	466,229	848,380	541,484	654,953	938,938	869,107	796,065	1,132,275	308,559
2058	756,607	461,615	826,053	520,864	635,931	913,305	842,519	764,984	1,101,654	300,881
2059	851,720	442,728	817,879	507,156	611,716	886,780	819,518	741,581	1,058,641	292,744
2060	697,093	430,267	784,414	502,138	595,617	853,012	795,717	721,336	1,026,255	281,314
2061	668,005	414,301	762,336	481,592	589,723	830,563	765,417	700,387	998,238	272,708
2062	693,872	396,668	734,049	468,037	565,594	822,345	745,273	673,717	969,247	265,263
2063	611,263	385,521	702,807	450,671	549,674	788,697	737,899	655,986	932,339	257,559
2064	583,650	369,118	683,057	431,490	529,278	766,498	707,706	649,495	907,802	247,752
2065	558,565	359,098	653,994	419,364	506,752	738,057	687,787	622,920	898,819	241,231
2066	614,482	340,390	636,241	401,521	492,511	706,645	662,266	605,387	862,043	238,844
2067	567,780	324,334	603,094	390,621	471,556	686,786	634,080	582,924	837,780	229,072
Subtotals 2018 to 2067:	60,689,173	29,528,136	52,591,989	32,485,558	38,553,632	54,235,551	49,124,915	43,750,390	60,919,902	16,101,747

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 2018 Level Basis - Before Future Inflation & Anticipated Investment Income

Before Consideration of Reinsurance Recoveries  
Evaluated As of March 31, 2018

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 @ 3/31/18 (a)	67,394,664	34,057,018	61,190,800	38,135,084	45,647,325	64,784,980	59,207,291	53,182,968	74,780,095	20,007,458

**Estimated Prospective Period Loss & Expense Payments - 2018 Level Basis - (b)**

2068	480,172	312,113	574,647	370,271	458,755	657,565	616,261	558,114	806,693	222,624
2069	453,651	297,641	552,994	352,806	434,855	639,715	590,040	542,430	772,360	214,364
2070	429,372	284,820	527,353	339,511	414,343	606,387	574,023	519,351	750,655	205,240
2071	407,025	271,533	504,637	323,769	398,730	577,785	544,117	505,252	718,716	199,472
2072	412,482	257,539	481,096	309,823	380,242	556,013	518,453	478,930	699,206	190,985
2073	413,088	246,220	456,302	295,370	363,863	530,232	498,916	456,340	662,778	185,801
2074	339,622	230,912	436,247	280,147	346,889	507,392	475,783	439,144	631,517	176,121
2075	317,579	220,827	409,124	267,834	329,012	483,723	455,289	418,782	607,720	167,814
2076	297,270	206,543	391,256	251,182	314,551	458,793	434,050	400,743	579,542	161,490
2077	312,278	193,485	365,947	240,212	294,995	438,629	411,680	382,049	554,578	154,002
2078	258,911	184,584	342,811	224,674	282,111	411,358	393,586	362,359	528,707	147,369
2079	240,905	172,997	327,041	210,470	263,862	393,392	369,116	346,433	501,459	140,494
2080	252,926	162,114	306,512	200,787	247,180	367,945	352,995	324,894	479,419	133,253
2081	207,223	149,725	287,229	188,183	235,810	344,683	330,161	310,705	449,613	127,397
2082	205,262	139,375	265,280	176,345	221,007	328,827	309,288	290,606	429,976	119,476
2083	176,990	130,603	246,941	162,869	207,104	308,185	295,060	272,234	402,163	114,258
2084	162,411	118,864	231,399	151,610	191,277	288,798	276,538	259,710	376,737	106,867
2085	148,953	111,490	210,601	142,068	178,055	266,728	259,141	243,408	359,406	100,111
2086	136,472	100,947	197,535	129,299	166,848	248,290	239,338	228,095	336,845	95,506
2087	151,107	92,098	178,856	121,277	151,852	232,663	222,793	210,664	315,655	89,510
2088	112,827	84,084	163,177	109,809	142,431	211,751	208,771	196,101	291,533	83,879
2089	102,320	76,703	148,977	100,183	128,962	198,614	190,007	183,759	271,380	77,469
2090	92,122	68,945	135,900	91,465	117,657	179,832	178,218	167,243	254,300	72,114
2091	82,706	60,512	122,154	83,436	107,419	164,068	161,365	156,867	231,443	67,575
2092	78,454	54,224	107,214	74,997	97,989	149,791	147,220	142,033	217,084	61,502
2093	65,627	48,406	96,073	65,824	88,078	136,642	134,409	129,583	196,556	57,686
2094	62,596	42,186	85,764	58,984	77,305	122,821	122,610	118,306	179,326	52,231
2095	50,824	36,648	74,744	52,655	69,272	107,799	110,209	107,921	163,721	47,653
2096	44,136	31,645	64,932	45,889	61,840	96,598	96,729	97,005	149,349	43,506
2097	41,485	26,921	56,067	39,865	53,893	86,233	86,678	85,141	134,243	39,687
2098	32,471	22,691	47,697	34,423	46,819	75,152	77,378	76,294	117,824	35,673
2099	27,369	19,117	40,203	29,284	40,427	65,287	67,435	68,107	105,581	31,310
2100	22,813	15,810	33,871	24,682	34,392	56,373	58,583	59,356	94,252	28,056
2101	19,789	12,845	28,012	20,795	28,988	47,958	50,584	51,564	82,141	25,046
2102	15,804	10,262	22,758	17,198	24,422	40,422	43,033	44,524	71,358	21,827
2103	12,164	8,391	18,182	13,972	20,198	34,056	36,271	37,877	61,616	18,962
2104	9,576	6,459	14,867	11,163	16,409	28,165	30,559	31,926	52,418	16,373
2105	7,412	4,960	11,444	9,127	13,110	22,882	25,273	26,898	44,181	13,929
2106	5,650	3,730	8,788	7,026	10,719	18,281	20,532	22,245	37,223	11,740
2107	4,430	2,783	6,608	5,395	8,252	14,948	16,404	18,073	30,784	9,891
2108	11,214	2,062	4,932	4,057	6,336	11,507	13,413	14,439	25,010	8,180
2109	-	5,071	3,653	3,028	4,765	8,835	10,325	11,806	19,981	6,646
2110	-	-	8,985	2,243	3,556	6,645	7,928	9,088	16,338	5,310
2111	-	-	-	5,516	2,634	4,959	5,962	6,978	12,577	4,341
2112	-	-	-	-	6,478	3,673	4,449	5,248	9,657	3,342
2113	-	-	-	-	-	9,034	3,296	3,916	7,262	2,566
2114	-	-	-	-	-	-	8,106	2,901	5,420	1,930
2115	-	-	-	-	-	-	-	7,135	4,015	1,440
2116	-	-	-	-	-	-	-	-	9,874	1,067
2117	-	-	-	-	-	-	-	-	-	2,624
Subtotals 2068 to 2117:	6,705,490	4,528,883	8,598,811	5,649,526	7,093,694	10,549,429	10,082,376	9,432,577	13,860,193	3,905,711
Totals 2018 to 2117:	67,394,664	34,057,018	61,190,800	38,135,084	45,647,325	64,784,980	59,207,291	53,182,968	74,780,095	20,007,458

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 2018 Level Basis - Before Future Inflation & Anticipated Investment Income

Before Consideration of Reinsurance Recoveries  
Evaluated As of March 31, 2018

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 @ 3/31/18 (a)	18,355,635	18,170,030	24,768,018	63,252,475	16,000,824	27,702,449	32,386,639	50,489,761	38,724,507	59,824,209

**Estimated Prospective Period Loss & Expense Payments - 2018 Level Basis - (b)**

2018	373,799	379,557	668,339	1,682,129	502,653	675,006	814,199	1,402,650	1,183,170	1,107,452
2019	404,273	373,179	586,935	1,232,704	415,041	430,881	563,713	815,407	1,082,182	655,431
2020	493,989	408,413	590,075	1,547,226	575,454	666,937	824,146	1,312,457	1,327,512	1,216,215
2021	630,649	386,892	571,408	1,516,510	551,862	647,632	733,218	1,273,927	1,261,131	1,192,311
2022	611,705	687,644	759,126	1,613,814	584,900	715,798	738,881	1,383,394	1,368,396	1,304,883
2023	595,946	633,344	677,609	1,439,613	518,668	623,847	614,184	1,288,611	1,152,619	1,155,635
2024	711,321	735,897	830,595	2,307,886	618,916	786,534	722,025	1,524,875	1,386,275	1,418,025
2025	556,638	567,921	642,676	1,852,114	593,170	591,089	512,776	1,222,044	1,044,058	1,111,515
2026	654,960	540,447	631,431	1,796,930	574,985	750,682	484,180	1,196,036	1,000,207	1,094,656
2027	659,182	613,824	761,205	1,948,809	615,050	843,318	906,627	1,329,725	1,172,633	1,254,051
2028	612,336	536,556	676,335	1,712,207	528,991	713,688	773,680	1,363,325	938,611	1,050,842
2029	595,046	508,829	662,602	1,690,441	511,957	701,800	748,393	1,331,694	926,185	1,032,911
2030	573,361	478,813	641,757	1,622,672	494,867	681,776	712,281	1,290,695	881,388	1,232,270
2031	624,365	539,222	730,525	1,878,147	569,523	849,994	806,325	1,449,218	1,056,574	1,369,373
2032	537,513	441,719	670,235	1,649,639	496,364	748,581	800,514	1,332,470	916,573	1,299,363
2033	516,914	401,047	591,390	1,497,845	437,110	663,456	721,760	1,191,832	770,511	1,163,476
2034	498,667	377,408	574,998	1,443,361	418,735	647,428	700,147	1,158,411	851,481	1,140,800
2035	482,524	356,035	561,995	1,407,642	403,482	635,143	685,922	1,129,571	818,933	1,306,145
2036	463,032	333,423	570,182	1,358,363	383,315	615,727	660,853	1,093,251	782,843	1,276,037
2037	464,756	340,416	629,331	1,481,726	411,785	689,153	711,446	1,190,284	876,800	1,400,344
2038	483,280	469,169	590,122	1,492,265	422,468	716,268	726,129	1,188,487	883,003	1,358,864
2039	411,784	396,861	521,979	1,236,339	333,574	569,157	609,123	999,545	691,542	1,194,967
2040	395,298	378,118	506,298	1,240,445	317,890	553,912	593,308	969,398	663,905	1,168,181
2041	380,477	361,008	493,543	1,214,907	304,751	541,915	583,225	942,936	639,506	1,143,997
2042	363,194	352,150	523,062	1,242,466	313,384	573,130	599,667	989,290	686,031	1,203,489
2043	347,567	327,234	460,402	1,123,984	273,534	509,017	548,943	882,202	588,430	1,088,666
2044	333,393	312,487	447,981	1,131,824	261,472	497,210	539,796	856,937	614,148	1,064,748
2045	355,544	324,917	466,996	1,191,939	296,549	583,947	597,946	946,129	711,484	1,146,523
2046	302,342	283,646	416,142	1,051,139	233,121	465,440	508,102	799,755	567,567	1,010,499
2047	301,232	286,808	461,372	1,129,753	251,653	520,512	551,566	869,163	635,726	1,108,084
2048	273,549	258,212	387,505	978,054	208,244	437,052	482,305	747,344	526,284	959,194
2049	259,557	246,487	373,437	947,628	196,400	423,038	469,742	721,855	506,842	933,789
2050	246,664	235,679	361,608	911,427	186,310	411,506	461,479	698,872	489,452	910,474
2051	232,400	224,876	345,785	872,090	173,868	395,342	445,163	672,233	470,090	883,429
2052	245,026	232,870	393,376	959,083	213,187	498,169	521,405	790,538	598,388	1,014,220
2053	207,087	205,746	320,643	811,992	153,990	370,180	473,471	637,473	437,050	835,384
2054	193,890	196,667	305,525	770,243	142,867	354,544	457,194	634,609	419,611	808,898
2055	181,689	188,285	292,452	772,803	133,270	341,130	444,776	611,053	403,860	784,296
2056	170,356	180,500	281,219	743,214	125,008	329,703	435,880	589,323	389,631	890,005
2057	165,225	182,272	306,819	782,250	132,251	360,766	458,792	628,578	436,120	954,164
2058	147,130	165,789	254,346	674,931	106,708	301,488	407,849	542,570	359,339	835,378
2059	152,130	163,494	259,342	687,295	120,526	350,197	445,905	577,111	418,512	877,350
2060	125,923	152,704	229,896	612,320	90,862	275,633	383,421	498,752	331,664	782,555
2061	115,899	146,643	217,972	584,242	83,497	262,895	371,238	477,413	318,372	756,238
2062	106,584	144,526	231,816	588,766	85,583	274,010	381,213	491,285	342,319	780,022
2063	97,046	135,319	194,759	522,797	69,890	237,863	346,893	435,876	292,788	703,863
2064	88,236	129,988	183,486	494,223	63,642	225,597	334,724	415,689	280,455	677,824
2065	80,076	124,861	173,511	470,242	58,249	214,716	325,066	396,668	269,136	653,012
2066	79,532	120,819	170,395	460,835	63,762	241,963	344,555	409,759	310,968	674,195
2067	67,309	120,919	174,758	452,327	54,883	217,452	324,608	395,933	287,881	664,633
Subtotals 2018 to 2067:	17,970,397	16,689,638	23,375,294	58,831,601	15,678,222	25,732,221	28,408,752	46,096,652	35,368,188	51,648,765

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 2018 Level Basis - Before Future Inflation & Anticipated Investment Income

Before Consideration of Reinsurance Recoveries  
Evaluated As of March 31, 2018

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 @ 3/31/18 (a)	18,355,635	18,170,030	24,768,018	63,252,475	16,000,824	27,702,449	32,386,639	50,489,761	38,724,507	59,824,209

**Estimated Prospective Period Loss & Expense Payments - 2018 Level Basis - (b)**

2068	57,522	110,179	141,722	388,838	42,554	179,411	288,204	339,607	234,426	575,941
2069	50,799	105,472	130,856	363,018	37,662	167,139	273,797	320,896	222,716	549,696
2070	44,700	100,845	121,175	337,899	33,468	156,090	261,577	303,187	211,874	524,620
2071	39,163	96,269	112,522	316,299	29,864	146,087	251,237	286,336	201,813	500,577
2072	33,866	94,065	115,798	309,346	29,306	146,305	249,106	286,645	214,227	505,738
2073	31,934	87,278	97,959	280,744	27,979	147,992	247,120	269,108	219,515	482,476
2074	24,867	82,624	86,268	251,969	20,016	115,399	214,436	237,046	171,174	427,324
2075	20,911	78,072	77,711	231,178	17,145	105,324	200,851	221,338	160,939	402,860
2076	17,433	73,515	70,067	212,598	14,715	96,222	188,958	206,461	151,408	379,453
2077	15,093	72,499	73,323	212,791	14,954	100,446	193,310	211,337	168,475	394,914
2078	11,664	64,407	55,906	178,190	10,568	79,151	165,568	178,270	133,026	334,004
2079	9,338	59,879	49,416	162,344	8,826	71,207	154,113	164,944	124,170	312,023
2080	7,982	55,392	44,818	150,715	9,051	74,639	155,703	158,195	141,147	309,616
2081	5,684	50,953	37,690	133,457	5,946	56,585	131,819	139,822	107,156	269,615
2082	4,304	47,785	36,780	126,095	5,429	54,038	126,587	134,880	111,580	264,408
2083	3,192	42,320	27,864	108,427	3,831	43,962	111,341	116,833	91,379	229,741
2084	2,295	38,167	23,324	96,284	2,957	38,063	100,483	106,026	83,467	210,221
2085	1,606	34,154	19,404	85,563	2,262	32,837	90,766	95,834	76,086	191,681
2086	1,090	30,306	16,026	75,979	1,711	28,199	82,002	86,224	69,191	174,081
2087	794	28,013	15,109	71,089	1,765	30,385	82,727	85,223	87,806	182,454
2088	443	23,193	10,202	57,698	884	19,978	64,297	68,540	55,682	140,503
2089	264	19,972	7,999	50,139	618	16,658	56,812	60,550	49,644	125,224
2090	148	16,997	6,055	42,620	411	13,645	49,184	53,079	43,639	110,504
2091	78	14,282	4,507	36,076	266	11,093	42,460	46,170	38,127	96,849
2092	38	12,140	3,734	31,603	189	9,655	38,003	41,577	37,394	88,944
2093	17	9,665	2,302	24,912	98	7,076	30,740	33,990	28,206	72,394
2094	7	7,765	1,573	20,270	68	5,977	26,584	28,788	29,225	65,089
2095	2	6,132	1,038	16,329	30	4,303	21,427	23,970	19,920	51,957
2096	1	4,754	651	12,744	15	3,278	17,444	19,750	16,303	43,169
2097	0	3,801	456	10,373	8	2,831	15,149	17,409	15,703	39,062
2098	0	2,693	227	7,461	3	1,832	11,276	12,825	10,470	28,698
2099	-	6,803	123	5,461	1	1,335	8,818	10,079	8,111	22,847
2100	-	-	121	3,931	0	958	6,819	7,773	6,166	17,907
2101	-	-	-	8,434	0	688	5,243	5,875	5,643	14,511
2102	-	-	-	-	0	501	4,039	4,529	3,751	10,933
2103	-	-	-	-	-	938	2,850	3,140	2,325	7,708
2104	-	-	-	-	-	-	7,034	2,215	1,590	5,586
2105	-	-	-	-	-	-	-	4,639	1,046	3,952
2106	-	-	-	-	-	-	-	-	1,801	2,730
2107	-	-	-	-	-	-	-	-	-	5,520
2108	-	-	-	-	-	-	-	-	-	-
2109	-	-	-	-	-	-	-	-	-	-
2110	-	-	-	-	-	-	-	-	-	-
2111	-	-	-	-	-	-	-	-	-	-
2112	-	-	-	-	-	-	-	-	-	-
2113	-	-	-	-	-	-	-	-	-	-
2114	-	-	-	-	-	-	-	-	-	-
2115	-	-	-	-	-	-	-	-	-	-
2116	-	-	-	-	-	-	-	-	-	-
2117	-	-	-	-	-	-	-	-	-	-
Subtotals 2068 to 2117:	385,238	1,480,392	1,392,724	4,420,874	322,601	1,970,229	3,977,887	4,393,109	3,356,319	8,175,534
Totals 2018 to 2117:	18,355,635	18,170,030	24,768,018	63,252,475	16,000,824	27,702,449	32,386,639	50,489,761	38,724,507	59,824,209

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 2018 Level Basis - Before Future Inflation & Anticipated Investment Income

Before Consideration of Reinsurance Recoveries  
Evaluated As of March 31, 2018

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 @ 3/31/18 (a)	14,820,290	8,111,616	21,391,911	43,359,829	30,802,050	16,329,835	26,037,053	24,400,200	32,718,017	55,677,671

**Estimated Prospective Period Loss & Expense Payments - 2018 Level Basis - (b)**

2018	579,825	292,152	591,132	1,157,926	1,351,099	497,124	692,616	600,201	731,140	1,556,626
2019	523,012	335,523	620,289	1,090,829	1,104,101	332,172	694,917	552,817	610,890	1,407,039
2020	547,303	391,321	630,175	1,305,317	1,160,017	374,184	760,203	944,591	975,877	1,511,805
2021	517,355	374,577	613,466	1,303,163	1,142,931	363,230	738,777	895,282	942,212	1,479,763
2022	524,244	392,288	680,733	1,453,890	1,121,249	396,908	833,083	871,563	994,826	1,484,291
2023	487,968	350,706	594,694	1,276,014	949,050	358,672	775,703	877,541	888,219	1,343,847
2024	632,594	384,777	747,969	1,509,358	1,008,883	453,764	972,646	995,033	1,116,663	1,652,482
2025	447,039	322,020	563,715	1,242,552	806,548	348,353	748,745	788,282	876,665	1,466,325
2026	430,385	311,890	550,881	1,187,153	757,079	347,238	735,214	753,487	853,386	1,395,032
2027	457,262	336,332	616,343	1,376,175	808,419	389,522	788,144	781,943	940,472	1,500,933
2028	409,156	284,739	523,636	1,232,679	672,471	336,767	697,903	684,820	801,028	1,309,832
2029	395,906	274,949	510,932	1,253,602	671,312	335,426	684,657	657,836	780,051	1,324,369
2030	382,063	260,947	520,938	1,190,492	658,894	328,830	665,094	676,811	754,740	1,282,266
2031	448,710	287,308	583,914	1,311,159	731,581	418,170	738,981	730,286	905,543	1,519,805
2032	387,652	261,081	546,986	1,255,821	677,269	356,091	672,061	649,617	785,316	1,295,360
2033	346,619	226,883	477,889	1,125,242	596,781	316,577	617,452	601,759	690,733	1,216,609
2034	335,790	215,958	463,803	1,080,410	580,709	312,395	601,981	579,488	670,685	1,153,604
2035	326,001	206,931	520,632	1,053,022	568,544	310,557	589,329	560,009	653,308	1,130,269
2036	315,193	194,757	504,845	1,019,607	552,805	303,874	571,633	538,201	632,306	1,095,987
2037	341,559	209,452	548,873	1,158,946	618,133	341,914	613,844	562,293	708,890	1,218,963
2038	356,604	203,095	502,712	1,082,860	609,401	381,839	615,140	558,250	737,929	1,280,020
2039	286,248	164,594	461,699	929,300	517,275	290,649	527,402	482,741	578,535	1,047,225
2040	276,986	154,984	447,540	899,403	506,331	286,109	512,951	465,627	561,483	1,084,124
2041	268,482	146,809	434,408	894,821	497,688	283,665	500,682	450,300	546,510	1,092,214
2042	283,541	149,090	455,734	929,072	533,025	304,676	512,504	448,902	589,087	1,087,738
2043	250,085	127,560	405,725	810,221	474,516	272,042	470,307	417,508	512,503	1,004,868
2044	241,945	119,914	392,819	782,819	503,614	312,477	458,088	403,409	615,354	983,979
2045	279,505	128,475	397,026	863,224	556,247	343,082	496,586	428,348	674,979	1,147,370
2046	224,296	102,450	365,029	721,944	479,366	298,571	428,464	373,240	578,486	928,315
2047	245,522	108,697	390,578	794,425	531,435	329,351	458,060	388,728	638,610	999,834
2048	207,600	87,106	338,615	663,838	456,650	286,272	400,902	345,401	543,879	878,178
2049	199,383	79,878	325,629	653,497	445,102	279,954	387,214	331,915	526,806	879,461
2050	191,735	73,578	313,361	608,076	435,055	275,302	374,935	319,425	511,068	832,590
2051	183,192	66,349	300,119	578,216	421,568	266,967	360,014	305,737	493,068	803,690
2052	229,789	76,395	320,850	670,186	498,838	315,606	405,984	332,501	584,001	958,235
2053	167,749	54,571	275,722	539,902	398,921	255,137	334,171	281,111	460,871	782,318
2054	159,474	48,478	263,104	495,234	385,121	246,581	319,625	268,218	443,355	729,735
2055	151,712	43,191	251,142	468,292	372,664	239,541	306,288	256,134	426,982	705,148
2056	144,419	38,581	239,748	442,801	361,401	233,865	293,974	244,742	411,612	683,974
2057	156,976	38,685	248,858	487,204	391,679	251,181	306,972	249,970	451,208	744,586
2058	128,900	29,393	216,515	390,034	334,416	217,678	266,675	221,034	378,411	631,465
2059	147,366	30,515	212,463	404,078	362,118	238,994	281,329	230,298	405,720	717,602
2060	114,168	21,942	194,582	340,520	308,258	202,498	240,583	198,506	346,476	582,395
2061	106,952	18,727	183,999	327,718	295,031	194,738	227,648	187,485	330,649	577,527
2062	112,471	17,797	183,277	322,717	306,845	202,993	226,962	182,379	349,694	564,100
2063	92,849	13,258	163,609	271,655	268,420	178,948	202,108	165,932	299,310	509,007
2064	85,980	10,980	153,809	250,307	255,074	170,949	189,576	155,429	283,822	484,656
2065	79,490	9,071	144,417	238,586	242,589	163,889	177,729	145,387	269,031	479,684
2066	89,013	8,798	137,915	228,780	254,711	175,772	181,301	147,764	281,535	513,722
2067	77,366	6,750	134,735	216,292	241,552	162,576	167,088	133,613	274,569	453,575

Subtotals 2018 to 2067: 14,375,436 8,094,302 20,267,586 41,889,384 28,782,787 14,883,673 24,824,244 23,421,895 30,418,490 51,512,543

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 2018 Level Basis - Before Future Inflation & Anticipated Investment Income

Before Consideration of Reinsurance Recoveries  
Evaluated As of March 31, 2018

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 @ 3/31/18 (a)	14,820,290	8,111,616	21,391,911	43,359,829	30,802,050	16,329,835	26,037,053	24,400,200	32,718,017	55,677,671

**Estimated Prospective Period Loss & Expense Payments - 2018 Level Basis - (b)**

2068	60,231	4,575	117,431	173,931	202,536	139,288	141,963	115,819	224,151	390,502
2069	54,044	3,491	108,920	162,686	188,667	130,276	130,228	106,274	209,245	379,379
2070	48,291	2,639	100,783	140,985	175,641	122,099	119,150	97,181	195,025	341,934
2071	42,946	1,973	92,985	126,383	163,353	114,613	108,659	88,508	181,419	320,554
2072	42,986	1,604	87,797	121,513	162,272	113,401	102,651	81,755	186,581	311,292
2073	40,933	1,229	78,853	109,712	152,155	111,844	95,932	78,240	170,674	333,873
2074	28,258	682	71,159	88,191	126,184	90,487	78,741	63,982	141,397	253,745
2075	23,960	443	64,453	77,432	114,077	82,253	69,568	56,484	128,570	231,308
2076	20,137	279	58,072	67,764	102,801	74,700	61,093	49,513	116,436	210,619
2077	20,058	201	54,172	67,486	103,041	74,088	57,618	45,385	121,699	218,428
2078	13,651	95	46,238	51,239	81,678	60,266	45,835	36,958	93,637	171,246
2079	10,990	51	40,802	44,284	71,931	53,457	39,095	31,415	83,037	152,703
2080	11,368	32	35,763	39,265	68,271	54,348	35,696	28,692	80,971	158,921
2081	6,781	11	30,938	33,567	54,297	40,845	27,455	21,864	63,617	123,931
2082	6,155	5	26,671	29,398	49,819	37,064	23,461	18,091	61,367	107,241
2083	3,913	2	22,479	23,767	39,469	29,952	18,291	14,387	46,873	88,206
2084	2,869	0	18,795	20,120	32,966	24,963	14,545	11,367	39,440	74,320
2085	2,071	0	15,485	17,224	27,276	20,590	11,383	8,831	32,800	65,374
2086	1,473	0	12,552	14,187	22,332	16,776	8,752	6,734	26,927	51,167
2087	1,641	0	10,266	12,883	20,794	16,351	7,557	5,556	27,871	52,101
2088	2,099	0	7,811	9,714	14,285	10,397	4,824	3,656	17,220	32,685
2089	-	-	5,980	7,986	11,213	7,981	3,460	2,602	13,432	27,166
2090	-	-	15,919	6,402	8,648	5,944	2,407	1,799	10,247	19,356
2091	-	-	-	24,327	6,580	4,338	1,628	1,209	7,663	14,396
2092	-	-	-	-	18,980	3,205	1,108	789	6,287	10,895
2093	-	-	-	-	-	6,633	675	496	4,003	8,008
2094	-	-	-	-	-	-	1,030	317	3,166	6,019
2095	-	-	-	-	-	-	-	401	1,905	3,406
2096	-	-	-	-	-	-	-	-	3,865	2,214
2097	-	-	-	-	-	-	-	-	-	4,139
2098	-	-	-	-	-	-	-	-	-	-
2099	-	-	-	-	-	-	-	-	-	-
2100	-	-	-	-	-	-	-	-	-	-
2101	-	-	-	-	-	-	-	-	-	-
2102	-	-	-	-	-	-	-	-	-	-
2103	-	-	-	-	-	-	-	-	-	-
2104	-	-	-	-	-	-	-	-	-	-
2105	-	-	-	-	-	-	-	-	-	-
2106	-	-	-	-	-	-	-	-	-	-
2107	-	-	-	-	-	-	-	-	-	-
2108	-	-	-	-	-	-	-	-	-	-
2109	-	-	-	-	-	-	-	-	-	-
2110	-	-	-	-	-	-	-	-	-	-
2111	-	-	-	-	-	-	-	-	-	-
2112	-	-	-	-	-	-	-	-	-	-
2113	-	-	-	-	-	-	-	-	-	-
2114	-	-	-	-	-	-	-	-	-	-
2115	-	-	-	-	-	-	-	-	-	-
2116	-	-	-	-	-	-	-	-	-	-
2117	-	-	-	-	-	-	-	-	-	-
Subtotals 2068 to 2117:	444,854	17,315	1,124,325	1,470,444	2,019,263	1,446,162	1,212,809	978,305	2,299,526	4,165,128
Totals 2018 to 2117:	14,820,290	8,111,616	21,391,911	43,359,829	30,802,050	16,329,835	26,037,053	24,400,200	32,718,017	55,677,671

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

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

Estimated 2018 Level Loss & ALAE Reserve - Before Inflation and Anticipated Investment Income  
Adjustment of Birth Year Level Estimated Outstanding to 2018 Level Outstanding Loss & Expense

Evaluated As of March 31, 2018

Year of Birth	Birth Year Level (a) Outstanding Loss & ALAE	Outstanding Basis (b) Inflation - Cal. Year	2018 Level Adjustment Factor (c)	2018 Level Outstanding Loss & ALAE (2) x (4)	Actual Paid (d) Loss & ALAE @ 3/31/18	Indicated	2018 Level Case O/S (e) Loss & ALAE @ 3/31/18	2018 Level IBNR / Bulk Outstanding (5) - (8)
						2018 Level Ultimate Loss & ALAE (5) + (6)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1989	10,423,645	0.81%	1.422	14,820,290	14,075,890	28,896,179	11,104,092	3,716,198
1990	5,751,313	0.74%	1.410	8,111,616	5,309,257	13,420,874	6,011,555	2,100,061
1991	15,279,450	0.52%	1.400	21,391,911	8,089,402	29,481,312	18,701,264	2,690,647
1992	31,130,392	0.46%	1.393	43,359,829	12,838,930	56,198,759	37,035,683	6,324,146
1993	22,215,778	0.41%	1.386	30,802,050	18,686,561	49,488,612	24,643,897	6,158,153
1994	11,826,027	0.38%	1.381	16,329,835	6,654,064	22,983,899	13,175,665	3,154,170
1995	18,927,739	0.35%	1.376	26,037,053	9,262,201	35,299,254	22,357,155	3,679,899
1996	17,800,068	0.34%	1.371	24,400,200	8,471,404	32,871,603	20,802,266	3,597,933
1997	23,948,091	0.25%	1.366	32,718,017	10,478,742	43,196,759	27,643,813	5,074,204
1998	40,853,602	0.28%	1.363	55,677,671	18,034,955	73,712,626	47,648,682	8,028,990
1999	13,506,166	0.36%	1.359	18,355,635	11,096,529	29,452,164	14,500,036	3,855,600
2000	13,418,113	0.39%	1.354	18,170,030	5,341,114	23,511,144	15,319,842	2,850,188
2001	18,361,361	0.32%	1.349	24,768,018	7,311,949	32,079,966	21,600,951	3,167,067
2002	47,041,773	0.35%	1.345	63,252,475	14,596,137	77,848,612	53,639,861	9,612,614
2003	11,942,140	0.29%	1.340	16,000,824	4,439,571	20,440,395	13,604,921	2,395,903
2004	20,735,246	4.94%	1.336	27,702,449	4,864,707	32,567,157	23,070,339	4,632,111
2005	25,439,256	0.87%	1.273	32,386,639	7,211,469	39,598,107	25,078,015	7,308,623
2006	40,002,397	4.86%	1.262	50,489,761	8,504,873	58,994,634	39,884,167	10,605,594
2007	32,171,163	0.50%	1.204	38,724,507	9,020,232	47,744,738	29,298,569	9,425,937
2008	49,949,841	4.55%	1.198	59,824,209	5,215,974	65,040,184	47,283,903	12,540,306
2009	58,832,054	0.33%	1.146	67,394,664	6,594,291	73,988,955	51,882,557	15,512,107
2010	29,829,490	0.32%	1.142	34,057,018	2,724,766	36,781,784	25,445,828	8,611,190
2011	53,767,513	0.42%	1.138	61,190,800	3,906,899	65,097,699	43,484,841	17,705,959
2012	33,650,518	9.83%	1.133	38,135,084	2,422,340	40,557,423	26,241,946	11,893,138
2013	44,238,758	0.59%	1.032	45,647,325	3,291,551	48,938,876	27,383,555	18,263,770
2014	63,155,986	0.19%	1.026	64,784,980	3,352,776	68,137,757	35,827,917	28,957,064
2015	57,825,582	0.17%	1.024	59,207,291	1,547,419	60,754,710	26,449,557	32,757,734
2016	52,030,920	2.01%	1.022	53,182,968	508,937	53,691,904	2,710,844	50,472,123
2017	74,628,205	0.20%	1.002	74,780,095	170,743	74,950,838	5,626,264	69,153,832
2018 (3 Mo)	20,007,458		1.000	20,007,458	-	20,007,458	-	20,007,458
Totals:								
All Years	958,690,044			1,141,710,701	214,023,681	1,355,734,382	757,457,982	384,252,718
1989 to 1998	198,156,105			273,648,471	111,901,405	385,549,876	229,124,071	44,524,400
1999 to 2018	760,533,939			868,062,229	102,122,276	970,184,505	528,333,911	339,728,318

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 2018 level - based on factors shown in column (3).

(d) The 2018 level case outstanding as provided by NICA as of March 31, 2018. See Exhibit IX, Sheets 6a - 1, 2, and 3.

(e) The 2018 level case outstanding as provided by NICA as of March 31, 2018. See Exhibit IX, Sheets 4a, 4b and 4c.



Birth Year Level Loss & ALAE

Evaluated As of March 31, 2018

Year of Birth	Birth Year Level						Open (d) Accepted Claim Counts @ 3/31/18
	Ultimate (a) Loss & ALAE	Paid (b) Loss & ALAE @ 3/31/18	Incurred (c) Loss & ALAE @ 3/31/18	Case O/S Loss & ALAE @ 3/31/18 (4) - (3)	IBNR / Bulk Loss & ALAE @ 3/31/18 (2) - (4)	Case+IBNR Loss & ALAE @ 3/31/18 (2) - (3)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1989	21,972,129	11,548,484	19,358,393	7,809,909	2,613,736	10,423,645	4
1990	10,118,407	4,367,094	8,629,418	4,262,324	1,488,989	5,751,313	3
1991	21,433,563	6,154,113	19,511,734	13,357,621	1,921,829	15,279,450	4
1992	41,352,013	10,221,621	36,811,563	26,589,942	4,540,450	31,130,392	9
1993	37,613,398	15,397,621	33,171,871	17,774,250	4,441,528	22,215,778	8
1994	17,631,875	5,805,848	15,347,632	9,541,785	2,284,242	11,826,027	4
1995	26,400,428	7,472,689	23,725,311	16,252,622	2,675,117	18,927,739	5
1996	24,972,277	7,172,208	22,347,566	15,175,358	2,624,710	17,800,068	6
1997	32,633,616	8,685,525	28,919,531	20,234,006	3,714,085	23,948,091	8
1998	55,753,549	14,899,946	49,862,261	34,962,315	5,891,287	40,853,602	12
1999	22,932,196	9,426,030	20,095,227	10,669,197	2,836,969	13,506,166	3
2000	18,051,808	4,633,694	15,947,015	11,313,321	2,104,793	13,418,113	5
2001	24,646,185	6,284,824	22,298,332	16,013,508	2,347,853	18,361,361	4
2002	59,234,687	12,192,914	52,085,648	39,892,734	7,149,039	47,041,773	13
2003	15,682,337	3,740,197	13,894,166	10,153,969	1,788,171	11,942,140	3
2004	24,913,318	4,178,072	21,446,190	17,268,118	3,467,129	20,735,246	5
2005	31,527,396	6,088,140	25,786,574	19,698,433	5,740,822	25,439,256	7
2006	47,138,781	7,136,384	38,736,103	31,599,719	8,402,678	40,002,397	9
2007	39,780,173	7,609,010	31,949,386	24,340,376	7,830,787	32,171,163	7
2008	54,362,834	4,412,993	43,892,386	39,479,392	10,470,448	49,949,841	10
2009	64,959,744	6,127,690	51,418,477	45,290,787	13,541,267	58,832,054	10
2010	32,477,067	2,647,576	24,934,791	22,287,215	7,542,275	29,829,490	5
2011	57,554,536	3,787,023	41,996,554	38,209,531	15,557,982	53,767,513	10
2012	36,018,873	2,368,355	25,524,331	23,155,976	10,494,542	33,650,518	7
2013	47,473,036	3,234,278	29,772,842	26,538,564	17,700,194	44,238,758	8
2014	66,453,821	3,297,835	38,224,872	34,927,037	28,228,949	63,155,986	13
2015	59,350,028	1,524,447	27,356,755	25,832,309	31,993,273	57,825,582	10
2016	52,535,463	504,543	3,156,665	2,652,122	49,378,798	52,030,920	2
2017	74,798,099	169,893	5,784,729	5,614,836	69,013,369	74,628,205	3
2018 (3 Mo)	20,007,458	-	-	-	20,007,458	20,007,458	-
Totals:	1,139,779,093	181,089,049	791,986,323	610,897,273	347,792,771	958,690,044	197

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 &amp; ALAE

Evaluated As of March 31, 2018

Year of Birth	Ultimate Loss & ALAE - Birth Year Level							Prior Selected Ultimate BY Level @ 12/31/17	Increase or (Decrease) From 12/31/17 to 3/31/18
	Paid Projection (a)	Incurred Projection (b)	Frequency/Severity (c)	Bornhuetter-Ferguson (d)	Cape Cod Method (e)	Incremental Payment Method (f)	Selected (g)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1989	31,758,332	21,352,307	23,052,963	21,511,117	21,481,977	22,176,448	21,972,129	22,247,493	(275,364)
1990	12,309,747	9,556,321	11,093,484	9,705,416	10,933,139	9,533,330	10,118,407	10,241,714	(123,307)
1991	17,954,048	21,693,958	20,984,172	21,622,560	22,178,062	26,104,330	21,433,563	21,603,024	(169,461)
1992	31,162,548	41,092,343	41,797,855	41,165,839	39,840,832	44,332,890	41,352,013	41,648,941	(296,929)
1993	49,289,694	37,177,513	38,357,982	37,304,701	36,406,610	40,284,330	37,613,398	37,954,191	(340,792)
1994	19,514,501	17,269,727	18,247,361	17,378,536	18,375,719	20,139,913	17,631,875	17,763,746	(131,872)
1995	26,372,905	26,563,119	26,122,155	26,516,010	26,747,324	31,034,990	26,400,428	26,306,261	94,167
1996	26,704,623	24,920,499	25,061,296	24,935,035	25,392,131	24,577,719	24,972,277	24,969,372	2,905
1997	34,279,581	32,281,359	33,238,455	32,381,033	32,129,301	36,658,932	32,633,616	32,694,782	(61,166)
1998	61,923,071	55,714,293	55,820,866	55,725,487	52,942,284	63,940,734	55,753,549	55,860,280	(106,732)
1999	41,445,969	22,476,136	23,713,267	22,607,186	23,060,577	21,322,053	22,932,196	23,002,739	(70,543)
2000	21,555,918	17,854,275	18,389,680	17,911,469	18,746,820	16,131,628	18,051,808	18,099,943	(48,136)
2001	30,932,706	25,040,103	23,974,974	24,923,477	25,441,376	27,820,630	24,646,185	24,719,308	(73,124)
2002	63,731,892	58,957,945	59,701,499	59,044,616	55,713,218	62,226,976	59,234,687	59,580,427	(345,740)
2003	20,918,358	15,884,668	15,345,268	15,817,076	18,105,985	15,004,394	15,682,337	15,763,511	(81,174)
2004	25,049,773	25,008,979	24,757,783	24,973,193	26,594,980	26,922,188	24,913,318	26,097,578	(1,184,260)
2005	39,385,284	30,671,826	32,885,891	31,024,471	32,165,170	29,078,124	31,527,396	32,030,326	(502,930)
2006	50,044,553	46,996,129	47,360,112	47,060,103	45,886,726	46,560,545	47,138,781	49,374,895	(2,236,113)
2007	58,694,776	39,537,467	40,148,344	39,654,708	40,707,456	35,826,573	39,780,173	40,252,269	(472,096)
2008	37,275,086	55,403,307	52,818,850	54,866,345	53,665,210	53,189,295	54,362,834	57,179,737	(2,816,903)
2009	56,934,414	66,525,719	62,697,205	65,656,306	63,292,323	60,393,543	64,959,744	65,746,467	(786,724)
2010	27,551,461	33,067,394	31,645,992	32,717,814	38,222,861	38,277,655	32,477,067	32,871,068	(394,002)
2011	45,714,299	57,921,690	57,057,759	57,684,159	57,185,467	48,741,169	57,554,536	58,807,873	(1,253,337)
2012	33,878,122	36,611,311	35,247,116	36,198,193	42,764,686	37,966,097	36,018,873	39,903,132	(3,884,259)
2013	55,517,648	46,975,769	48,067,698	47,375,643	52,968,072	37,509,539	47,473,036	51,458,790	(3,985,754)
2014	70,194,696	65,136,346	67,290,798	66,026,471	66,044,193	53,344,975	66,453,821	68,887,830	(2,434,010)
2015	49,483,163	53,609,256	59,416,721	56,453,177	62,180,187	53,268,432	59,350,028	63,520,691	(4,170,662)
2016	42,581,063	18,557,733	49,221,331	44,005,462	64,379,596	47,426,577	52,535,463	56,397,130	(3,861,667)
2017	71,690,950	85,019,683	72,859,454	73,686,834	77,848,008	59,453,925	74,798,099	69,648,129	5,149,970
2018 (3 Mo)	N/A	N/A	20,611,282	20,386,900	19,024,190	17,729,029	20,007,458		N/A
Totals:									
All Years	N/A	N/A	1,136,987,613	1,126,319,335	1,170,424,483	1,106,976,965	1,139,779,093	N/A	N/A
1989 - 2017	1,153,849,183	1,088,877,175	1,116,376,331	1,105,932,435	1,151,400,293	1,089,247,937	1,119,771,636	1,144,631,648	(24,860,012)
1989 - 2016	1,082,158,233	1,003,857,491	1,043,516,877	1,032,245,600	1,073,552,285	1,029,794,011	1,044,973,537	1,074,983,520	(30,009,982)

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) &amp; (5) for birth years 2013 and prior. The selection for birth years 2014 and subsequent is based on average of columns (4), (5) &amp; (6).

Estimation of Ultimate Loss & ALAE - Adjusted to Birth Year Level  
Based on Bornhuetter-Ferguson Approach  
Evaluated As of March 31, 2018

Year of Birth	Birth Year Level Initial Expected Ultimate (a) Loss & ALAE	Expected Percent (b) Unreported @ 3/31/18	Birth Year Level Expected Unreported Loss & ALAE (2) x (3)	Birth Year (c) Level Reported Loss & ALAE	Indicated Birth Year Level Ultimate Loss & ALAE (4) + (5)
(1)	(2)	(3)	(4)	(5)	(6)
1989	23,052,963	9.3%	2,152,725	19,358,393	21,511,117
1990	11,093,484	9.7%	1,075,998	8,629,418	9,705,416
1991	20,984,172	10.1%	2,110,826	19,511,734	21,622,560
1992	41,797,855	10.4%	4,354,277	36,811,563	41,165,839
1993	38,357,982	10.8%	4,132,830	33,171,871	37,304,701
1994	18,247,361	11.1%	2,030,904	15,347,632	17,378,536
1995	26,122,155	10.7%	2,790,699	23,725,311	26,516,010
1996	25,061,296	10.3%	2,587,469	22,347,566	24,935,035
1997	33,238,455	10.4%	3,461,502	28,919,531	32,381,033
1998	55,820,866	10.5%	5,863,225	49,862,261	55,725,487
1999	23,713,267	10.6%	2,511,959	20,095,227	22,607,186
2000	18,389,680	10.7%	1,964,454	15,947,015	17,911,469
2001	23,974,974	10.9%	2,625,145	22,298,332	24,923,477
2002	59,701,499	11.7%	6,958,968	52,085,648	59,044,616
2003	15,345,268	12.5%	1,922,910	13,894,166	15,817,076
2004	24,757,783	14.2%	3,527,004	21,446,190	24,973,193
2005	32,885,891	15.9%	5,237,897	25,786,574	31,024,471
2006	47,360,112	17.6%	8,323,999	38,736,103	47,060,103
2007	40,148,344	19.2%	7,705,322	31,949,386	39,654,708
2008	52,818,850	20.8%	10,973,959	43,892,386	54,866,345
2009	62,697,205	22.7%	14,237,830	51,418,477	65,656,306
2010	31,645,992	24.6%	7,783,023	24,934,791	32,717,814
2011	57,057,759	27.5%	15,687,605	41,996,554	57,684,159
2012	35,247,116	30.3%	10,673,862	25,524,331	36,198,193
2013	48,067,698	36.6%	17,602,800	29,772,842	47,375,643
2014	67,290,798	41.3%	27,801,599	38,224,872	66,026,471
2015	59,416,721	49.0%	29,096,421	27,356,755	56,453,177
2016	49,221,331	83.0%	40,848,797	3,156,665	44,005,462
2017	72,859,454	93.2%	67,902,105	5,784,729	73,686,834
2018 (3 Mo)	20,611,282	98.9%	20,386,900	-	20,386,900
Totals:	1,136,987,613		334,333,012	791,986,323	1,126,319,335

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 a partial year basis.

(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 2018 Level (6)	Estimated 2018 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 (11) / (6)	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) / (8)	2018 Level (7) / (8)				
	(2)	(3)	(4)					(9)	(10)				
1989	31,758,332	21,352,307	21,352,307	0.90%	1.433	30,590,060	11.0	1,941,119	2,780,915	3,596,744	90.66%	2,095,724	23,052,963
1990	12,309,747	9,556,321	9,556,321	0.83%	1.420	13,568,286	7.0	1,365,189	1,938,327	3,629,199	90.30%	1,584,783	11,093,484
1991	17,954,048	21,693,958	21,693,958	0.61%	1.408	30,546,925	4.0	5,423,490	7,636,731	3,659,454	89.94%	5,246,043	20,984,172
1992	31,162,548	41,092,343	41,092,343	0.56%	1.399	57,508,700	13.0	3,160,949	4,423,746	3,681,903	89.58%	3,215,220	41,797,855
1993	49,289,694	37,177,513	37,177,513	0.52%	1.392	51,739,075	13.0	2,859,809	3,979,929	3,702,599	89.23%	2,950,614	38,357,982
1994	19,514,501	17,269,727	17,269,727	0.46%	1.384	23,908,942	7.0	2,467,104	3,415,563	3,721,947	88.87%	2,606,766	18,247,361
1995	26,372,905	26,563,119	26,563,119	0.42%	1.378	36,604,926	6.0	4,427,187	6,100,821	3,739,251	89.32%	4,353,693	26,122,155
1996	26,704,623	24,920,499	24,920,499	0.41%	1.372	34,198,330	7.0	3,560,071	4,885,476	3,754,887	89.68%	3,580,185	25,061,296
1997	34,279,581	32,281,359	32,281,359	0.31%	1.367	44,120,217	11.0	2,934,669	4,010,929	3,770,155	89.59%	3,021,678	33,238,455
1998	61,923,071	55,714,293	55,714,293	0.35%	1.362	75,909,890	15.0	3,714,286	5,060,659	3,781,928	89.50%	3,721,391	55,820,866
1999	41,445,969	22,476,136	22,476,136	0.42%	1.358	30,518,060	9.0	2,497,348	3,390,896	3,794,982	89.41%	2,634,807	23,713,267
2000	21,555,918	17,854,275	17,854,275	0.45%	1.352	24,140,277	6.0	2,975,712	4,023,380	3,811,053	89.32%	3,064,947	18,389,680
2001	30,932,706	25,040,103	25,040,103	0.40%	1.346	33,705,124	4.0	6,260,026	8,426,281	3,828,117	89.05%	5,993,743	23,974,974
2002	63,731,892	58,957,945	58,957,945	0.43%	1.341	79,045,550	17.0	3,468,114	4,649,738	3,843,350	88.34%	3,511,853	59,701,499
2003	20,918,358	15,884,668	15,884,668	0.37%	1.335	21,204,642	3.0	5,294,889	7,068,214	3,860,044	87.47%	5,115,089	15,345,268
2004	25,049,773	25,008,979	25,008,979	4.59%	1.330	33,262,079	6.0	4,168,163	5,543,680	3,874,285	85.75%	4,126,297	24,757,783
2005	39,385,284	30,671,826	30,671,826	0.91%	1.272	39,003,905	11.0	2,788,348	3,545,810	4,052,067	84.07%	2,989,626	32,885,891
2006	50,044,553	46,996,129	46,996,129	4.48%	1.260	59,224,106	12.0	3,916,344	4,935,342	4,088,920	82.42%	3,946,676	47,361,112
2007	58,694,776	39,537,467	39,537,467	0.57%	1.206	47,689,016	10.0	3,953,747	4,768,902	4,272,042	80.81%	4,014,834	40,148,344
2008	37,275,086	55,403,307	55,403,307	5.09%	1.199	66,447,041	10.0	5,540,331	6,644,704	4,296,404	79.22%	5,281,885	52,818,850
2009	56,934,414	66,525,719	66,525,719	0.73%	1.141	75,921,146	11.0	6,047,793	6,901,922	4,515,147	77.29%	5,699,746	62,697,205
2010	27,551,461	33,067,394	33,067,394	0.37%	1.133	37,464,989	6.0	5,511,232	6,244,165	4,547,989	75.41%	5,274,332	31,645,992
2011	45,714,299	57,921,690	57,921,690	0.48%	1.129	65,380,720	12.0	4,826,808	5,448,393	4,564,955	72.51%	4,754,813	57,057,759
2012	33,878,122	36,611,311	36,611,311	8.92%	1.123	41,130,656	7.0	5,230,187	5,875,808	4,586,640	69.72%	5,035,302	35,247,116
2013	55,517,648	46,975,769	46,975,769	0.59%	1.031	48,452,744	10.0	4,697,577	4,845,274	4,995,748	63.38%	4,806,770	48,067,698
2014	70,194,696	65,136,346	65,136,346	0.22%	1.025	66,792,297	14.0	4,652,596	4,770,878	5,025,069	58.68%	4,806,486	67,290,798
2015	49,483,163	53,609,256	53,609,256	0.20%	1.023	54,852,446	13.0	4,123,789	4,219,419	5,036,036	51.03%	4,570,517	59,416,721
2016	42,581,063	18,557,733	18,557,733	1.88%	1.021	18,950,498	11.0	1,687,067	1,722,773	5,046,024	17.01%	4,474,666	49,221,331
2017	71,690,950	85,019,683	85,019,683	0.23%	1.002	85,217,929	14.0	6,072,835	6,086,995	5,140,833	6.80%	5,204,247	72,859,454
2018 (3 Mo)	N/A	N/A	N/A		1.000	N/A	4.0	N/A	N/A	5,152,821	N/A	5,152,821	20,611,282
Totals / Averages:													
1992 - 2010	722,767,114	672,442,800	672,442,800			871,616,013	177	3,799,112	4,924,384				672,084,836
1992 - 2011	768,481,413	730,364,491	730,364,491			936,996,733	189	3,864,362	4,957,655				729,142,595
1992 - 2012	802,359,536	766,975,802	766,975,802			978,127,389	196	3,913,142	4,990,446				764,389,711
1994 - 2010	642,314,872	594,172,945	594,172,945			762,368,238	151	3,934,920	5,048,796				591,928,998
1995 - 2011	668,514,670	634,824,908	634,824,908			803,840,017	156	4,069,390	5,152,821				630,739,396
1996 - 2012	676,019,887	644,873,100	644,873,100			808,365,747	157	4,107,472	5,148,826				639,864,357
1997 - 2013	704,832,912	666,928,370	666,928,370			822,620,161	160	4,168,302	5,141,376				662,870,759

(15) Selected 2018 Level Average Claim Size ==> 5,152,821

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 (wt. 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, 2018

Year of Birth	Insured (a) Physicians	Birth Year Level (b) Incurred Loss & ALAE @ 3/31/18	Expected Percent (c) Reported @ 3/31/18	Exposure Adjusted to Expected Percent Reported (2) X (4)	Adjustment Factor to (d) 2018 Level	Incurred (Reported) Loss & ALAE Adjusted to BY 2018 Level (3) X (6)	2018 Level Loss & ALAE per Insured Physician (7) / (5)	Indicated (e) BY Level Unreported Loss & ALAE	Indicated BY Level Ultimate Loss & ALAE (3) + (10)
1989	570	19,358,393	90.66%	516.8	1.433	27,733,508	53,667	2,123,585	21,481,977
1990	590	8,629,418	90.30%	532.8	1.420	12,252,248	22,997	2,303,721	10,933,139
1991	653	19,511,734	89.94%	587.3	1.408	27,474,168	46,779	2,666,328	22,178,062
1992	712	36,811,563	89.58%	637.8	1.399	51,517,751	80,771	3,029,269	39,840,832
1993	731	33,171,871	89.23%	652.2	1.392	46,164,517	70,778	3,234,740	36,406,610
1994	659	15,347,632	88.87%	585.7	1.384	21,247,913	36,281	3,028,086	18,375,719
1995	682	23,725,311	89.32%	609.1	1.378	32,694,325	53,673	3,022,013	26,747,324
1996	708	22,347,566	89.68%	634.9	1.372	30,667,502	48,303	3,044,565	25,392,131
1997	737	28,919,531	89.59%	660.2	1.367	39,525,473	59,865	3,209,770	32,129,301
1998	699	49,862,261	89.50%	625.6	1.362	67,936,584	108,598	3,080,023	52,942,284
1999	665	20,095,227	89.41%	594.6	1.358	27,285,266	45,892	2,965,350	23,060,577
2000	620	15,947,015	89.32%	553.8	1.352	21,561,524	38,936	2,799,805	18,746,820
2001	676	22,298,332	89.05%	602.0	1.346	30,014,574	49,860	3,143,044	25,441,376
2002	730	52,085,648	88.34%	644.9	1.341	69,831,787	108,282	3,627,571	55,713,218
2003	785	13,894,166	87.47%	686.6	1.335	18,547,497	27,012	4,211,819	18,105,985
2004	841	21,446,190	85.75%	721.2	1.330	28,523,550	39,551	5,148,791	26,594,980
2005	891	25,786,574	84.07%	749.1	1.272	32,791,561	43,775	6,378,596	32,165,170
2006	897	38,736,103	82.42%	739.3	1.260	48,814,894	66,025	7,150,622	45,886,726
2007	963	31,949,386	80.81%	778.2	1.206	38,536,479	49,521	8,758,070	40,707,456
2008	987	43,892,386	79.22%	781.9	1.199	52,641,608	67,322	9,772,824	53,665,210
2009	1,044	51,418,477	77.29%	806.9	1.141	58,680,308	72,721	11,873,846	63,292,323
2010	1,071	24,934,791	75.41%	807.6	1.133	28,250,841	34,981	13,288,070	38,222,861
2011	1,091	41,996,554	72.51%	791.0	1.129	47,404,779	59,927	15,188,913	57,185,467
2012	1,119	25,524,331	69.72%	780.1	1.123	28,675,085	36,757	17,240,355	42,764,686
2013	1,143	29,772,842	63.38%	724.4	1.031	30,708,937	42,391	23,195,230	52,968,072
2014	1,208	38,224,872	58.68%	708.9	1.025	39,196,657	55,292	27,819,321	66,044,193
2015	1,273	27,356,755	51.03%	649.6	1.023	27,991,154	43,089	34,823,432	62,180,187
2016	1,318	3,156,665	17.01%	224.2	1.021	3,223,474	14,378	61,222,931	64,379,596
2017	1,356	5,784,729	6.80%	92.3	1.002	5,798,218	62,845	72,063,279	77,848,008
2018 (3 Mo)	1,335	-	0.27%	3.6	1.000	-	-	19,024,190	19,024,190

Totals / Averages:

1992 - 2010	15,098	572,670,030		12,872		745,233,953	57,897	100,766,874	673,436,904
1992 - 2011	16,189	614,666,583		13,663		792,638,732	58,015	115,955,788	730,622,371
1992 - 2012	17,308	640,190,914		14,443		821,313,818	56,866	133,196,143	773,387,058
1994 - 2010	13,655	502,686,596		11,582		647,551,684	55,912	94,502,866	597,189,462
1995 - 2011	14,087	529,335,517		11,787		673,708,551	57,157	106,663,693	635,999,210
1996 - 2012	14,524	531,134,538		11,958		669,689,311	56,003	120,882,035	652,016,572
1997 - 2013	14,959	538,559,814		12,048		669,730,746	55,591	141,032,699	679,592,513

(9) Indicated 2018 Level Loss & ALAE per Insured Physician

57,157

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 (2018) - 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, 2018

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	19,358,393	1.103	1.103	21,352,307
1990	8,629,418	1.004	1.107	9,556,321
1991	19,511,734	1.004	1.112	21,693,958
1992	36,811,563	1.004	1.116	41,092,343
1993	33,171,871	1.004	1.121	37,177,513
1994	15,347,632	1.004	1.125	17,269,727
1995	23,725,311	0.995	1.120	26,563,119
1996	22,347,566	0.996	1.115	24,920,499
1997	28,919,531	1.001	1.116	32,281,359
1998	49,862,261	1.001	1.117	55,714,293
1999	20,095,227	1.001	1.118	22,476,136
2000	15,947,015	1.001	1.120	17,854,275
2001	22,298,332	1.003	1.123	25,040,103
2002	52,085,648	1.008	1.132	58,957,945
2003	13,894,166	1.010	1.143	15,884,668
2004	21,446,190	1.020	1.166	25,008,979
2005	25,786,574	1.020	1.189	30,671,826
2006	38,736,103	1.020	1.213	46,996,129
2007	31,949,386	1.020	1.238	39,537,467
2008	43,892,386	1.020	1.262	55,403,307
2009	51,418,477	1.025	1.294	66,525,719
2010	24,934,791	1.025	1.326	33,067,394
2011	41,996,554	1.040	1.379	57,921,690
2012	25,524,331	1.040	1.434	36,611,311
2013	29,772,842	1.100	1.578	46,975,769
2014	38,224,872	1.080	1.704	65,136,346
2015	27,356,755	1.150	1.960	53,609,256
2016	3,156,665	3.000	5.879	18,557,733
2017	5,784,729	2.500	14.697	85,019,683
2018	-	25.000	367.432	-
Totals:	791,986,323			1,088,877,175







Incurred Loss & ALAE - Adjusted to Birth Year Cost Basis

Year of Birth	291	303	315	327	339	351
1989	21,296,950	20,370,811	19,687,147	20,023,199	19,515,766	19,358,393
1990	8,320,016	8,068,065	8,120,057	7,170,365	8,629,418	
1991	19,802,027	20,007,008	20,071,044	19,511,734		
1992	36,852,621	36,480,214	36,811,563			
1993	33,748,347	33,171,871				
1994	15,347,632					
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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	
2008		4.617	1.450	1.398	0.964	1.096	1.017	1.040	0.921	0.996		
2009		5.685	2.639	1.128	1.075	0.896	1.067	1.085	1.090			
2010		4.655	1.601	1.258	0.828	1.009	0.945	1.061				
2011	4.023	1.557	1.856	1.172	1.105	1.041	1.015					
2012	3.025	1.690	1.820	0.837	0.779	1.156						
2013	436.743	1.835	1.042	1.224	1.166							
2014		1.529	1.740	0.997								
2015		6.029	2.095									
2016	0.181	6.612										
2017												
Simple Avg. - Incremental	110.993	11.329	2.421	1.234	1.123	1.099	1.009	1.025	1.012	1.030	1.020	1.010
Wtd Avg. All - Incremental	14.323	2.279	1.797	1.156	1.091	1.075	1.001	1.037	1.017	1.021	0.998	0.991
Wtd Latest Five - Incremental	12.668	1.972	1.674	1.071	0.999	1.026	0.998	1.038	0.957	0.973	0.984	0.942
Wtd Latest Three - Incremental	3.193	2.243	1.570	0.990	1.019	1.061	1.019	1.062	0.998	0.986	0.984	0.955
Wtd Avg. All - Cumulative		6.219	2.729	1.518	1.314	1.204	1.121	1.119	1.079	1.062	1.040	1.042
Wtd Latest Five - Cumulative		3.079	1.561	0.932	0.871	0.872	0.850	0.851	0.820	0.857	0.881	0.895
Selected Incremental - Prior 3/31/17	25.000	24.000	2.400	1.120	1.100	1.105	1.045	1.040	1.025	1.025	1.025	1.024
Selected - Incremental	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 - Cumulative	367.432	14.697	5.879	1.960	1.704	1.578	1.434	1.379	1.326	1.294	1.262	1.238

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	1.029	
1996	0.952	0.947	1.000	0.735	1.101	0.968	1.001	1.008	1.054	0.973		
1997	1.224	1.131	0.948	0.956	0.949	0.960	1.002	0.959	0.992			
1998	1.127	0.972	1.039	1.030	1.012	1.020	0.955	0.932				
1999	0.889	0.990	1.017	0.881	1.016	0.950	1.010					
2000	1.141	0.877	1.014	0.993	1.007	1.074						
2001	0.968	1.031	1.010	1.024	1.008							
2002	0.984	1.010	0.941	0.979								
2003	0.978	0.999	1.153									
2004	1.047	1.057										
2005	0.980											
2006												
2007												
2008												
2009												
2010												
2011												
2012												
2013												
2014												
2015												
2016												
2017												
Simple Avg. - Incremental	1.054	1.011	1.047	0.967	1.007	1.008	0.986	0.983	0.973	1.010	0.984	0.988
Wtd Avg. All - Incremental	1.043	1.005	1.023	0.959	1.001	1.007	0.979	0.984	0.982	1.001	0.981	0.995
Wtd Latest Five - Incremental	0.989	1.002	0.995	0.989	0.997	0.994	0.994	0.967	0.978	0.982	0.978	0.992
Wtd Latest Three - Incremental	1.002	1.019	0.986	0.992	1.011	1.013	0.979	0.955	1.010	0.998	1.003	0.995
Wtd Avg. All - Cumulative	1.052	1.008	1.003	0.980	1.022	1.021	1.014	1.036	1.053	1.071	1.071	1.091
Wtd Latest Five - Cumulative	0.950	0.961	0.958	0.964	0.975	0.978	0.983	0.989	1.023	1.046	1.065	1.088
Selected Incremental - Prior 3/31/17	1.020	1.020	1.018	1.010	1.008	1.004	1.003	1.000	1.000	1.003	1.000	0.985
Selected - Incremental	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 - Cumulative	1.213	1.189	1.166	1.143	1.132	1.123	1.120	1.118	1.117	1.116	1.115	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:Ult. -----
1989	0.957	0.966	1.017	0.975	0.992	
1990	0.970	1.006	0.883	1.203		
1991	1.010	1.003	0.972			
1992	0.990	1.009				
1993	0.983					
1994						
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2017						
Simple Avg. - Incremental	0.982	0.996	0.957	1.089	0.992	
Wtd Avg. All - Incremental	0.984	0.997	0.976	1.035	0.992	
Wtd Latest Five - Incremental	0.984	0.997	0.976	1.035	0.992	
Wtd Latest Three - Incremental	0.992	1.007	0.976	1.035	0.992	
Wtd Avg. All - Cumulative	1.097	1.115	1.118	1.146	1.107	
Wtd Latest Five - Cumulative	1.097	1.115	1.118	1.146	1.107	
Selected Incremental - Prior 3/31/17	1.004	1.004	1.004	1.004	1.111	
Selected - Incremental	1.004	1.004	1.004	1.004	1.004	1.103
Selected - Cumulative	1.125	1.121	1.116	1.112	1.107	1.103

Paid Loss & ALAE - Adjusted to Birth Year Cost Basis

Evaluated As of March 31, 2018

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	11,548,484	2.750	2.750	31,758,332
1990	4,367,094	1.025	2.819	12,309,747
1991	6,154,113	1.035	2.917	17,954,048
1992	10,221,621	1.045	3.049	31,162,548
1993	15,397,621	1.050	3.201	49,289,694
1994	5,805,848	1.050	3.361	19,514,501
1995	7,472,689	1.050	3.529	26,372,905
1996	7,172,208	1.055	3.723	26,704,623
1997	8,685,525	1.060	3.947	34,279,581
1998	14,899,946	1.053	4.156	61,923,071
1999	9,426,030	1.058	4.397	41,445,969
2000	4,633,694	1.058	4.652	21,555,918
2001	6,284,824	1.058	4.922	30,932,706
2002	12,192,914	1.062	5.227	63,731,892
2003	3,740,197	1.070	5.593	20,918,358
2004	4,178,072	1.072	5.996	25,049,773
2005	6,088,140	1.079	6.469	39,385,284
2006	7,136,384	1.084	7.013	50,044,553
2007	7,609,010	1.100	7.714	58,694,776
2008	4,412,993	1.095	8.447	37,275,086
2009	6,127,690	1.100	9.291	56,934,414
2010	2,647,576	1.120	10.406	27,551,461
2011	3,787,023	1.160	12.071	45,714,299
2012	2,368,355	1.185	14.304	33,878,122
2013	3,234,278	1.200	17.165	55,517,648
2014	3,297,835	1.240	21.285	70,194,696
2015	1,524,447	1.525	32.460	49,483,163
2016	504,543	2.600	84.395	42,581,063
2017	169,893	5.000	421.977	71,690,950
2018	-	20.000	8,439.536	-
Totals:	181,089,049			1,153,849,183





Paid Loss & ALAE - Adjusted to Birth Year Cost Basis

Year of Birth	291	303	315	327	339	351
1989	9,784,299	10,176,869	10,547,431	10,972,727	11,335,880	11,548,484
1990	3,762,810	3,973,819	4,110,266	4,237,524	4,367,094	
1991	5,065,231	5,409,739	5,752,565	6,154,113		
1992	9,007,661	9,587,399	10,221,621			
1993	14,824,159	15,397,621				
1994	5,805,848					
1995						
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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		149.611	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	
2008		67.164	2.579	1.646	1.219	1.182	1.233	1.208	1.189	1.172		
2009		2.196	2.385	1.518	1.194	1.168	1.203	1.289	1.094			
2010		8.780	1.171	1.508	1.123	1.076	1.108	1.071				
2011		12.255	5.565	1.416	1.455	1.270	1.200					
2012	386.410	11.726	3.824	1.695	1.238	1.127						
2013		6.855	2.126	1.355	1.231							
2014		5.812	1.998	1.711								
2015		854.143	2.943									
2016		1.388										
2017												
Simple Avg. - Incremental		105.366	3.668	1.590	1.288	1.260	1.168	1.122	1.107	1.090	1.097	1.099
Wtd Avg. All - Incremental		4.826	2.149	1.544	1.281	1.253	1.181	1.135	1.114	1.094	1.096	1.104
Wtd Latest Five - Incremental		4.612	2.645	1.532	1.240	1.168	1.192	1.179	1.121	1.112	1.093	1.100
Wtd Latest Three - Incremental		3.749	2.251	1.566	1.296	1.164	1.178	1.210	1.134	1.124	1.094	1.081
Wtd Avg. All - Cumulative		350.848	72.700	33.835	21.919	17.117	13.657	11.564	10.190	9.144	8.356	7.624
Wtd Latest Five - Cumulative		410.659	89.041	33.667	21.983	17.722	15.170	12.726	10.791	9.627	8.658	7.922
Selected Incremental - Prior 3/31/17	20.000	2.500	2.150	1.500	1.240	1.225	1.175	1.150	1.115	1.100	1.090	1.090
Selected - Incremental	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 - Cumulative	8,439.536	421.977	84.395	32.460	21.285	17.165	14.304	12.071	10.406	9.291	8.447	7.714

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	
1996	1.063	1.066	1.073	1.069	1.045	1.051	1.048	1.047	1.049	1.049		
1997	1.125	1.097	1.090	1.128	1.069	1.057	1.059	1.054	1.046			
1998	1.107	1.097	1.085	1.105	1.087	1.079	1.077	1.068				
1999	1.089	1.060	1.068	1.064	1.045	1.042	1.032					
2000	1.057	1.072	1.065	1.052	1.057	1.053						
2001	1.083	1.073	1.080	1.061	1.056							
2002	1.094	1.091	1.079	1.068								
2003	1.127	1.096	1.084									
2004	1.063	1.062										
2005	1.072											
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Simple Avg. - Incremental	1.079	1.076	1.068	1.084	1.062	1.062	1.060	1.058	1.051	1.067	1.051	1.051
Wtd Avg. All - Incremental	1.081	1.077	1.068	1.079	1.059	1.057	1.056	1.056	1.051	1.060	1.051	1.049
Wtd Latest Five - Incremental	1.086	1.081	1.076	1.074	1.065	1.059	1.061	1.060	1.055	1.061	1.057	1.053
Wtd Latest Three - Incremental	1.082	1.085	1.080	1.063	1.051	1.062	1.058	1.060	1.055	1.057	1.047	1.049
Wtd Avg. All - Cumulative	6.908	6.391	5.936	5.558	5.150	4.862	4.599	4.354	4.124	3.925	3.702	3.523
Wtd Latest Five - Cumulative	7.204	6.630	6.133	5.702	5.310	4.984	4.706	4.436	4.185	3.969	3.741	3.539
Selected Incremental - Prior 3/31/17	1.080	1.075	1.065	1.060	1.055	1.050	1.050	1.050	1.050	1.050	1.045	1.045
Selected - Incremental	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 - Cumulative	7.013	6.469	5.996	5.593	5.227	4.922	4.652	4.397	4.156	3.947	3.723	3.529

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:Ult. -----
1989	1.040	1.036	1.040	1.033	1.019	
1990	1.056	1.034	1.031	1.031		
1991	1.068	1.063	1.070			
1992	1.064	1.066				
1993	1.039					
1994						
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Simple Avg. - Incremental	1.053	1.050	1.047	1.032	1.019	
Wtd Avg. All - Incremental	1.050	1.051	1.047	1.032	1.019	
Wtd Latest Five - Incremental	1.050	1.051	1.047	1.032	1.019	
Wtd Latest Three - Incremental	1.052	1.059	1.047	1.032	1.019	
Wtd Avg. All - Cumulative	3.360	3.201	3.046	2.910	2.819	
Wtd Latest Five - Cumulative	3.360	3.201	3.046	2.910	2.819	
Selected Incremental - Prior 3/31/17	1.040	1.040	1.040	1.035	3.075	
Selected - Incremental	1.050	1.050	1.045	1.035	1.025	2.750
Selected - Cumulative	3.361	3.201	3.049	2.917	2.819	2.750

**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	363,612
1998	-	33,829	729,485	777,660	756,850	485,213	408,897	1,245,014	554,266	674,539	508,562	699,212
1999	-	521,547	461,379	307,646	561,349	585,858	445,496	365,575	601,332	852,210	576,245	500,451
2000	-	326,833	497,532	523,552	461,356	272,163	191,986	130,040	160,932	143,951	127,545	248,269
2001	-	117,765	378,369	632,002	433,239	390,110	816,640	436,483	264,985	201,528	247,686	260,649
2002	-	121,823	550,471	701,194	672,686	804,920	597,535	1,239,723	800,284	808,088	707,640	858,149
2003	-	215,016	267,824	101,924	108,848	301,697	505,832	152,197	145,823	231,281	227,898	207,965
2004	-	3,768	355,045	604,803	450,985	268,026	403,529	334,032	315,344	161,020	270,719	274,829
2005	-	24	23,200	747,228	749,826	498,824	1,008,204	622,297	508,282	406,177	380,761	369,217
2006	-	1,891	280,989	350,323	836,517	638,183	1,534,985	692,664	589,654	505,854	508,937	587,847
2007	-	113,471	441,409	758,304	928,165	727,215	893,254	779,698	735,386	771,053	743,302	717,755
2008	-	5,182	342,835	549,380	579,667	323,333	326,956	495,842	544,361	597,853	647,584	
2009	-	325,459	389,390	989,961	883,209	502,719	520,519	732,316	1,257,455	526,661		
2010	-	119,093	926,517	178,873	622,176	227,968	156,735	239,983	176,232			
2011	-	17,682	198,998	989,173	501,724	776,917	671,966	630,563				
2012	58	22,277	239,568	739,737	696,554	403,325	266,837					
2013	-	133,032	778,875	1,027,113	689,171	606,087						
2014	-	165,996	798,746	963,110	1,369,983							
2015	-	606	517,322	1,006,518								
2016	-	363,419	141,124									
2017	-	169,893										
2018	-											

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	257,234	156,788	197,842	190,199	308,635
1990	90,257	123,783	213,254	235,255	256,430	234,363	102,800	84,537	77,125	100,635	83,928	102,322
1991	122,085	105,570	100,968	120,884	119,061	247,003	421,311	368,392	371,877	290,238	666,291	336,466
1992	321,681	293,056	279,019	265,041	305,286	340,439	364,840	506,259	454,473	387,722	619,762	630,305
1993	598,008	760,866	725,703	549,781	542,578	496,491	583,040	531,121	602,237	738,086	688,449	609,713
1994	462,610	58,640	66,064	134,804	112,451	129,305	105,326	104,285	165,966	192,379	180,185	179,075
1995	238,572	322,935	361,586	94,915	1,018,482	243,388	267,368	457,307	474,800	450,692	535,062	425,142
1996	302,606	263,248	293,647	344,858	347,302	241,067	289,557	287,981	291,107	317,475	335,558	
1997	483,171	543,120	472,426	481,632	748,237	454,444	399,656	436,749	428,641	379,339		
1998	717,576	813,346	811,752	784,995	1,046,384	958,315	952,757	991,383	949,912			
1999	619,769	568,457	416,782	504,663	501,112	377,240	366,639	292,278				
2000	194,049	186,763	249,745	242,830	206,821	236,423	232,906					
2001	290,784	370,259	352,378	415,653	343,510	332,783						
2002	994,868	836,408	885,536	839,090	774,500							
2003	326,397	354,812	301,591	291,091								
2004	258,095	233,956	243,921									
2005	365,288	408,813										
2006	608,541											
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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
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1989	287,789	392,571	370,562	425,296	363,153	212,604
1990	166,474	211,009	136,447	127,258	129,571	
1991	384,250	344,508	342,826	401,549		
1992	583,874	579,738	634,222			
1993	614,206	573,462				
1994	199,258					
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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	24,340,376
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	39,479,392	
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	45,290,787		
2010	-	3,052,382	13,719,051	22,418,777	27,901,629	22,560,215	22,633,916	21,021,680	22,287,215			
2011	2,640,000	10,602,303	16,314,653	29,481,055	34,257,691	37,255,619	38,204,830	38,209,531				
2012	3,639,942	10,987,450	18,342,553	32,863,963	26,645,481	19,978,551	23,155,976					
2013	25,000	10,785,549	19,118,995	18,923,627	22,913,272	26,538,564						
2014	-	14,246,532	21,069,875	36,414,307	34,927,037							
2015	-	2,165,677	12,542,272	25,832,309								
2016	2,640,000	113,987	2,652,122									
2017	-	5,614,836										
2018	-											

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	16,252,622
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	15,175,358	
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	20,234,006		
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	34,962,315			
1999	19,724,525	16,267,278	15,620,624	15,516,415	12,220,318	12,175,182	10,753,009	10,669,197				
2000	11,341,183	13,216,354	10,915,457	10,877,745	10,571,645	10,443,385	11,313,321					
2001	16,973,873	15,906,782	16,200,838	16,004,088	16,174,464	16,013,508						
2002	48,063,377	46,301,860	45,967,259	41,772,065	39,892,734							
2003	9,543,343	8,913,830	8,600,254	10,153,969								
2004	15,686,729	16,355,948	17,268,118									
2005	20,629,900	19,698,433										
2006	31,599,719											
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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
1989	11,512,651	10,193,942	9,139,716	9,050,472	8,179,886	7,809,909
1990	4,557,206	4,094,246	4,009,792	2,932,841	4,262,324	
1991	14,736,796	14,597,269	14,318,479	13,357,621		
1992	27,844,960	26,892,815	26,589,942			
1993	18,924,189	17,774,250				
1994	9,541,785					
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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
1989	426,612	585,218	555,244	640,061	550,527	323,911
1990	243,905	310,741	201,822	189,604	194,016	
1991	556,493	501,132	502,325	591,311		
1992	836,912	837,049	920,293			
1993	873,725	819,844				
1994	280,549					
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**Case Outstanding Loss & ALAE - Actual**

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

Year of Birth -----	291 -----	303 -----	315 -----	327 -----	339 -----	351 -----
1989	27,284,465	26,135,406	25,252,938	25,790,626	25,358,479	25,179,981
1990	10,678,914	10,363,557	10,458,516	9,243,301	11,320,812	
1991	26,645,315	26,989,890	27,503,881	26,790,665		
1992	49,025,185	49,300,093	49,874,613			
1993	44,051,704	43,330,459				
1994	19,829,729					
1995						
1996						
1997						
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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	
2008		4.639	1.457	1.405	1.055	1.103	1.019	1.042	0.938	0.998		
2009		5.686	2.650	1.233	1.081	0.897	1.069	1.104	1.092			
2010		4.677	1.750	1.264	0.828	1.011	0.961	1.063				
2011	4.040	1.708	1.863	1.173	1.106	1.059	1.016					
2012	3.321	1.698	1.821	0.836	0.791	1.159						
2013	439.316	1.838	1.044	1.247	1.168							
2014		1.532	1.774	0.999								
2015		6.147	2.099									
2016	0.183	6.675										
2017												
Simple Avg. - Incremental	111.715	11.654	2.466	1.250	1.136	1.112	1.023	1.038	1.026	1.044	1.035	1.026
Wtd Avg. All - Incremental	14.531	2.307	1.825	1.174	1.106	1.088	1.017	1.054	1.026	1.033	1.018	1.003
Wtd Latest Five - Incremental	12.710	1.977	1.691	1.075	1.001	1.034	1.002	1.043	0.960	0.978	0.991	0.946
Wtd Latest Three - Incremental	3.201	2.263	1.587	0.990	1.021	1.071	1.023	1.070	1.005	0.992	0.993	0.960
Wtd Avg. All - Cumulative		8.635	3.742	2.051	1.747	1.579	1.452	1.428	1.355	1.321	1.279	1.257
Wtd Latest Five - Cumulative		3.470	1.756	1.038	0.966	0.965	0.933	0.932	0.893	0.930	0.951	0.960

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	
1996	0.990	0.949	1.004	0.735	1.186	0.971	1.003	1.010	1.072	0.973		
1997	1.233	1.137	0.952	1.034	0.952	0.960	1.004	0.972	0.994			
1998	1.133	0.977	1.124	1.036	1.014	1.022	0.968	0.931				
1999	0.892	1.059	1.022	0.876	1.018	0.958	1.012					
2000	1.236	0.877	1.016	0.994	1.022	1.079						
2001	0.971	1.033	1.012	1.040	1.009							
2002	0.985	1.011	0.954	0.980								
2003	0.977	1.013	1.159									
2004	1.065	1.060										
2005	0.981											
2006												
2007												
2008												
2009												
2010												
2011												
2012												
2013												
2014												
2015												
2016												
2017												
Simple Avg. - Incremental	1.070	1.027	1.066	0.983	1.024	1.024	1.000	0.997	0.985	1.026	0.997	1.001
Wtd Avg. All - Incremental	1.053	1.020	1.043	0.975	1.015	1.019	0.990	0.998	1.001	1.013	0.987	1.007
Wtd Latest Five - Incremental	0.993	1.005	1.002	0.992	1.000	0.998	1.001	0.970	0.982	0.986	0.982	0.997
Wtd Latest Three - Incremental	1.009	1.023	0.995	0.996	1.016	1.017	0.986	0.959	1.016	1.005	1.008	1.001
Wtd Avg. All - Cumulative	1.253	1.189	1.165	1.117	1.146	1.129	1.108	1.120	1.122	1.122	1.107	1.121
Wtd Latest Five - Cumulative	1.015	1.023	1.017	1.015	1.023	1.022	1.025	1.024	1.056	1.075	1.090	1.110

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:Ult. -----
1989	0.958	0.966	1.021	0.983	0.993	
1990	0.970	1.009	0.884	1.225		
1991	1.013	1.019	0.974			
1992	1.006	1.012				
1993	0.984					
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Simple Avg. - Incremental	0.986	1.002	0.960	1.104	0.993	
Wtd Avg. All - Incremental	0.990	1.003	0.978	1.047	0.993	
Wtd Latest Five - Incremental	0.990	1.003	0.978	1.047	0.993	
Wtd Latest Three - Incremental	0.999	1.014	0.978	1.047	0.993	
Wtd Avg. All - Cumulative	1.113	1.124	1.121	1.147	1.095	1.103
Wtd Latest Five - Cumulative	1.113	1.124	1.121	1.147	1.095	1.103





Paid Loss & ALAE - Actual - Without Retroactive Payments

Year of Birth	291	303	315	327	339	351
1989	11,420,928	12,006,146	12,561,390	13,201,451	13,751,978	14,075,890
1990	4,413,075	4,723,816	4,925,637	5,115,242	5,309,257	
1991	6,494,634	6,995,766	7,498,091	8,089,402		
1992	11,081,588	11,918,637	12,838,930			
1993	17,866,717	18,686,561				
1994	6,654,064					
1995						
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1997						
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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	
2008		69.984	2.593	1.654	1.222	1.185	1.238	1.212	1.193	1.176		
2009		2.206	2.403	1.525	1.197	1.171	1.207	1.296	1.096			
2010		8.853	1.172	1.515	1.125	1.077	1.110	1.073				
2011		12.336	5.594	1.419	1.459	1.274	1.203					
2012	389.211	11.787	3.840	1.699	1.240	1.129						
2013		6.885	2.132	1.359	1.233							
2014		5.833	2.006	1.717								
2015		860.371	2.953									
2016		1.390										
2017												
Simple Avg. - Incremental		106.490	3.704	1.607	1.297	1.272	1.176	1.128	1.113	1.096	1.106	1.109
Wtd Avg. All - Incremental		4.881	2.169	1.559	1.289	1.266	1.190	1.142	1.121	1.102	1.105	1.114
Wtd Latest Five - Incremental		4.628	2.657	1.536	1.243	1.171	1.197	1.183	1.125	1.117	1.098	1.108
Wtd Latest Three - Incremental		3.760	2.259	1.571	1.299	1.167	1.182	1.216	1.139	1.128	1.098	1.085
Wtd Avg. All - Cumulative		447.053	91.596	42.225	27.089	21.012	16.597	13.949	12.210	10.888	9.884	8.948
Wtd Latest Five - Cumulative		495.083	106.977	40.268	26.214	21.092	18.010	15.041	12.710	11.295	10.114	9.211

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	
1996	1.074	1.080	1.088	1.082	1.053	1.061	1.057	1.055	1.057	1.058		
1997	1.149	1.114	1.105	1.149	1.079	1.065	1.067	1.062	1.052			
1998	1.126	1.113	1.099	1.120	1.099	1.090	1.086	1.077				
1999	1.103	1.069	1.079	1.073	1.051	1.048	1.037					
2000	1.067	1.085	1.077	1.061	1.066	1.061						
2001	1.096	1.084	1.091	1.070	1.064							
2002	1.104	1.100	1.087	1.074								
2003	1.139	1.105	1.092									
2004	1.069	1.068										
2005	1.076											
2006												
2007												
2008												
2009												
2010												
2011												
2012												
2013												
2014												
2015												
2016												
2017												
Simple Avg. - Incremental	1.089	1.086	1.076	1.098	1.071	1.073	1.071	1.068	1.061	1.079	1.061	1.061
Wtd Avg. All - Incremental	1.091	1.087	1.077	1.091	1.068	1.067	1.066	1.066	1.061	1.073	1.061	1.059
Wtd Latest Five - Incremental	1.095	1.090	1.085	1.084	1.075	1.068	1.070	1.069	1.064	1.073	1.068	1.064
Wtd Latest Three - Incremental	1.089	1.093	1.089	1.070	1.058	1.070	1.066	1.068	1.063	1.067	1.055	1.059
Wtd Avg. All - Cumulative	8.032	7.364	6.777	6.291	5.766	5.396	5.058	4.743	4.449	4.195	3.911	3.685
Wtd Latest Five - Cumulative	8.316	7.594	6.965	6.419	5.924	5.512	5.161	4.825	4.513	4.240	3.953	3.703

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:Ult. -----
1989	1.051	1.046	1.051	1.042	1.024	
1990	1.070	1.043	1.038	1.038		
1991	1.077	1.072	1.079			
1992	1.076	1.077				
1993	1.046					
1994						
1995						
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2017						
Simple Avg. - Incremental	1.064	1.059	1.056	1.040	1.024	
Wtd Avg. All - Incremental	1.060	1.061	1.057	1.041	1.024	
Wtd Latest Five - Incremental	1.060	1.061	1.057	1.041	1.024	
Wtd Latest Three - Incremental	1.061	1.069	1.057	1.041	1.024	
Wtd Avg. All - Cumulative	3.481	3.285	3.096	2.929	2.815	2.750
Wtd Latest Five - Cumulative	3.481	3.285	3.096	2.929	2.815	2.750

**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
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	1.218	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	1.222
2008	1.000	1.099	1.146	1.156	1.167	1.175	1.182	1.188	1.193	1.202	1.208	
2009	1.000	1.043	1.051	1.061	1.069	1.075	1.081	1.085	1.093	1.099		
2010	1.000	1.008	1.018	1.025	1.031	1.036	1.041	1.048	1.054			
2011	1.000	1.009	1.017	1.022	1.028	1.032	1.040	1.045				
2012	1.000	1.007	1.013	1.018	1.023	1.030	1.035					
2013	1.000	1.006	1.011	1.015	1.023	1.028						
2014	1.000	1.005	1.010	1.017	1.022							
2015	1.000	1.004	1.012	1.017								
2016	1.000	1.007	1.012									
2017	1.000	1.005										
2018	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%

Year of Birth	147	159	171	183	195	207	219	231	243	255	267	279
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	1.152	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	
1997	1.240	1.293	1.304	1.316	1.326	1.333	1.340	1.346	1.356	1.363		
1998	1.281	1.292	1.304	1.314	1.321	1.328	1.334	1.344	1.350			
1999	1.280	1.292	1.302	1.309	1.316	1.322	1.331	1.338				
2000	1.280	1.289	1.296	1.303	1.309	1.318	1.325					
2001	1.276	1.284	1.290	1.296	1.305	1.312						
2002	1.270	1.276	1.282	1.291	1.298							
2003	1.262	1.267	1.277	1.283								
2004	1.254	1.263	1.269									
2005	1.245	1.251										
2006	1.235											
2007												
2008												
2009												
2010												
2011												
2012												
2013												
2014												
2015												
2016												
2017												
2018												

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
Assumptions:						
I. Incremental Paid Inflation Per Year						
A. Accident Year - 1/1 to 12/31 (a)	0.57%	0.55%	0.40%	0.69%	0.59%	0.34%
B. Accident Year - 4/1 to 3/31 (b)	0.73%	0.56%	0.51%	0.44%	0.73%	0.50%
II. Case O/S Inflation Per Year						
A. Accident Year - 1/1 to 12/31 (a)	0.72%	0.19%	0.17%	2.01%	0.22%	0.14%
B. Accident Year - 4/1 to 3/31	9.83%	0.59%	0.19%	0.17%	2.01%	0.20%
III. Incurred Inflation Per Year - Wtd Avg. of Pd & O/S - ( 10 % / 90 %)						
A. Accident Year - 1/1 to 12/31	0.71%	0.23%	0.19%	1.87%	0.26%	0.16%
B. Accident Year - 4/1 to 3/31	8.92%	0.59%	0.22%	0.20%	1.88%	0.23%

Year of Birth -----	291 -----	303 -----	315 -----	327 -----	339 -----	351 -----
1989	1.482	1.491	1.498	1.505	1.516	1.524
1990	1.465	1.473	1.479	1.490	1.497	
1991	1.448	1.455	1.465	1.473		
1992	1.433	1.444	1.451			
1993	1.423	1.430				
1994	1.408					
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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	1.037
1997	1.000	1.002	1.005	1.009	1.013	1.016	1.020	1.023	1.027	1.031	1.035	1.039
1998	1.000	1.003	1.006	1.010	1.014	1.017	1.020	1.023	1.027	1.031	1.035	1.039
1999	1.000	1.004	1.008	1.011	1.014	1.017	1.020	1.023	1.027	1.031	1.035	1.039
2000	1.000	1.004	1.007	1.011	1.014	1.017	1.020	1.023	1.027	1.031	1.035	1.039
2001	1.000	1.003	1.007	1.010	1.013	1.016	1.020	1.023	1.027	1.031	1.035	1.039
2002	1.000	1.004	1.006	1.009	1.012	1.015	1.018	1.021	1.024	1.027	1.030	1.033
2003	1.000	1.003	1.005	1.007	1.010	1.013	1.016	1.019	1.022	1.025	1.028	1.031
2004	1.000	1.004	1.006	1.009	1.012	1.015	1.018	1.021	1.024	1.027	1.030	1.033
2005	1.000	1.009	1.011	1.014	1.017	1.020	1.023	1.026	1.029	1.032	1.035	1.038
2006	1.000	1.009	1.011	1.014	1.017	1.020	1.023	1.026	1.029	1.032	1.035	1.038
2007	1.000	1.005	1.007	1.010	1.013	1.016	1.019	1.022	1.025	1.028	1.031	1.034
2008	1.000	1.006	1.008	1.011	1.014	1.017	1.020	1.023	1.026	1.029	1.032	1.035
2009	1.000	1.003	1.007	1.011	1.014	1.017	1.020	1.023	1.026	1.029	1.032	1.035
2010	1.000	1.003	1.007	1.010	1.013	1.016	1.019	1.022	1.025	1.028	1.031	1.034
2011	1.000	1.004	1.008	1.011	1.014	1.017	1.020	1.023	1.026	1.029	1.032	1.035
2012	1.000	1.008	1.011	1.014	1.017	1.020	1.023	1.026	1.029	1.032	1.035	1.038
2013	1.000	1.006	1.008	1.009	1.010	1.011	1.012	1.013	1.014	1.015	1.016	1.017
2014	1.000	1.002	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.004
2015	1.000	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002
2016	1.000	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002
2017	1.000	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002
2018	1.000	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002

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	
1997	1.193	1.197	1.200	1.206	1.324	1.332	1.334	1.337	1.363	1.366		
1998	1.194	1.198	1.203	1.321	1.329	1.331	1.333	1.360	1.363			
1999	1.194	1.199	1.317	1.325	1.327	1.330	1.356	1.359				
2000	1.195	1.312	1.320	1.323	1.325	1.351	1.354					
2001	1.307	1.315	1.317	1.320	1.346	1.349						
2002	1.311	1.313	1.315	1.342	1.345							
2003	1.309	1.311	1.337	1.340								
2004	1.307	1.333	1.336									
2005	1.271	1.273										
2006	1.262											
2007												
2008												
2009												
2010												
2011												
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2014												
2015												
2016												
2017												
2018												

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
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Assumptions:

I. Incremental Paid Inflation Per Year

A. Accident Year - 1/1 to 12/31 (a)	0.57%	0.55%	0.40%	0.69%	0.59%	0.34%
B. Accident Year - 4/1 to 3/31 (b)	0.73%	0.56%	0.51%	0.44%	0.73%	0.50%

II. Case O/S Inflation Per Year

A. Accident Year - 1/1 to 12/31 (a)	0.72%	0.19%	0.17%	2.01%	0.22%	0.14%
B. Accident Year - 4/1 to 3/31	9.83%	0.59%	0.19%	0.17%	2.01%	0.20%

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

A. Accident Year - 1/1 to 12/31	0.71%	0.23%	0.19%	1.87%	0.26%	0.16%
B. Accident Year - 4/1 to 3/31	8.92%	0.59%	0.22%	0.20%	1.88%	0.23%

Year of Birth -----	291 -----	303 -----	315 -----	327 -----	339 -----	351 -----
1989	1.378	1.386	1.389	1.391	1.419	1.422
1990	1.375	1.377	1.380	1.408	1.410	
1991	1.367	1.370	1.397	1.400		
1992	1.363	1.390	1.393			
1993	1.384	1.386				
1994	1.381					
1995						
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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, 2018

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)	
	(2)	(3)	(4)	(5)		(8)	(9)	
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	8	12	75%	1.00	1.00	10
2014	3	-	12	15	80%	2.00	2.00	14
2015	5	-	10	15	67%	4.00	3.00	13
2016	3	-	2	5	40%	11.00	9.00	11
2017	2	1	2	5	60%	14.00	11.00	14
2018 (3 Mo)	-	-	-	-	-	5.00	4.00	4
Totals All:	133	61	193	387	66%	37	30	284
Latest 3	5	1	4	10	50%	29	23	38
Latest 5	13	1	26	40	68%	32	26	62
Latest 10	34	6	66	106	68%	32	26	108
Latest 15	50	18	103	171	71%	32	26	150
Latest 20	86	29	131	246	65%	32	26	201
2005 - 2014	33	16	84	133	75%	3	3	103

(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, 2018.

(c) The accepted claims shown in Column (4), AAA, are accepted claims that are alive as of March 31, 2018.

Ultimate Accepted Claim Counts  
Evaluated As of March 31, 2018

Year of Birth	Actual (a)	Reported Claim Cts. (b) @ 3/31/18	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)
	Accepted Claim Cts. @ 3/31/18		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	39	1.005	1.005	39.2	0.30769	12	0.30616	-
2011	14	40	1.015	1.020	40.8	0.35000	14	0.34311	-
2012	11	50	1.015	1.035	51.8	0.22000	11	0.21248	-
2013	12	31	1.090	1.129	35.0		13	0.37158	1
2014	15	38	1.150	1.298	49.3		17	0.34470	2
2015	15	38	1.185	1.538	58.4		19	0.32511	4
2016	5	14	1.850	2.845	39.8		16	0.40168	11
2017	5	8	3.000	8.536	68.3		19	0.27825	14
2018 (3 Mo)	-	-	7.000	59.749	-		5		5
Totals:	387	1,072			1,197		424		37

Notes:(a) Based on individual claim detail provided by NICA as of March 31, 2018.

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

(c) Based on Column (2) for birth years 2012 and prior. See Exhibit X, Sheet 1c, Column (16) for birth years 2013 and subsequent.

Development of Ultimate Accepted Claim Counts ( B/F Estimate)  
Evaluated As of March 31, 2018

Year of Birth	Actual (a) Accepted Claim Cts. @ 3/31/18	Reported (a) Claim Cts. @ 3/31/18	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	39	1,071	0.0112	0.0364	0.3077
2011	14	40	1,091	0.0128	0.0367	0.3500
2012	11	50	1,119	0.0098	0.0447	0.2200
Subtotals:						
89 to 12	335	943	19,121	0.0175	0.0493	0.3552
89 to 02	207	557	9,432	0.0219	0.0591	0.3716
03 to 12	128	386	9,689	0.0132	0.0398	0.3316
07 to 12	80	257	6,275	0.0127	0.0410	0.3113
Selected Frequency =====>				0.0135	0.0400	0.3375

Year of Birth	Actual (a) Accepted Claim Cts. @ 3/31/18	Reported (a) Claims (a) @ 3/31/18	Insured Physicians @ 3/31/18	Estimated Claim Reporting Pattern - Based on :		Estimated (b) B/F Method Ultimate Reported (9) + {[1-(12)] X [(10) X (6)Sel]} (13)	Estimated Ultimate Accepted Based on		Final Selected Ultimate Accepted Claim Cts. (16)
				Accepted	Reported		Reported Claim Cts. (13) X (7) Sel.	Accepted (8) + {[1-(11)] x [(10) x (5)Sel]} (15)	
(1)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
2013	12	31	1,143	97.56%	88.61%	36.21	12.22	12.38	13
2014	15	38	1,208	88.69%	77.05%	49.09	16.57	16.84	17
2015	15	38	1,273	80.63%	65.02%	55.81	18.84	18.33	19
2016	5	14	1,318	48.87%	35.15%	48.19	16.26	14.10	16
2017	5	8	1,356	21.25%	11.72%	55.89	18.86	19.42	19
2018 (3 Mo)	-	-	1,335	5.31%	1.67%	13.13	4.43	4.27	5
Subtotals:									
	52	129	7,633			258.31	87.18	85.33	89.00

Notes: (a) Based on individual claim detail provided by NICA as of March 31, 2018. See Exhibit X, Sheet 1b.  
(b) The formula shown below is adjusted by a factor of 0.25 for the 2018 birth year to account for only a three-month period.

Open Accepted Claim Counts  
Evaluated As of March 31, 2018

Year of Birth	Reported Open Accepted Claim Counts @ 3/31/18				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	-	1	11	12	-	-	-	-	12	12
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	-	1	9	10	-	-	-	-	10	10
2009	-	-	10	10	-	-	-	-	10	10
2010	-	-	5	5	-	-	-	-	5	5
2011	-	-	10	10	-	-	-	-	10	10
2012	-	-	7	7	-	-	-	-	7	7
2013	-	-	8	8	-	1	1	-	9	9
2014	1	-	12	13	-	2	2	1	14	15
2015	1	-	9	10	1	3	4	2	12	14
2016	-	-	2	2	2	9	11	2	11	13
2017	1	-	2	3	3	11	14	4	13	17
2018 (3 Mo)	-	-	-	-	1	4	5	1	4	5
Totals All:	3	2	192	197	7	30	37	10	224	234

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, 2018.  
 (c) AAA are accepted claims that are alive as of March 31, 2018.  
 (d) See Exhibit X, Sheet 1a, Columns (9) and (8), respectively.





Reported Claim Counts

Year of Birth	291	303	315	327	339	351
1989	32	32	32	32	32	32
1990	39	39	39	39	39	
1991	38	38	38	38		
1992	48	48	48			
1993	40	40				
1994	36					
1995						
1996						
1997						
1998						
1999						
2000						
2001						
2002						
2003						
2004						
2005						
2006						
2007						
2008						
2009						
2010						
2011						
2012						
2013						
2014						
2015						
2016						
2017						
2018						



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	
2008		3.000	1.667	1.250	1.320	1.121	1.000	1.135	1.000	1.000		
2009		2.667	1.875	1.167	1.229	1.116	1.000	1.000	1.042			
2010		2.286	1.750	1.179	1.152	1.026	1.000	1.000				
2011	7.000	2.143	1.933	1.276	1.027	1.053	1.000					
2012	5.000	4.200	1.952	1.098	1.067	1.042						
2013	6.000	2.500	1.533	1.174	1.148							
2014		3.167	1.789	1.118								
2015		8.000	2.375									
2016	9.000	1.556										
2017												
Simple Avg. - Incremental	6.750	3.333	1.830	1.204	1.164	1.097	1.011	1.024	1.005	1.000	1.000	1.000
Wtd Avg. All - Incremental	34.000	2.931	1.812	1.184	1.154	1.096	1.010	1.020	1.005	1.000	1.000	1.000
Wtd Latest Five - Incremental	15.500	3.036	1.919	1.161	1.119	1.070	1.005	1.042	1.015	1.000	1.000	1.000
Wtd Latest Three - Incremental	19.000	2.882	1.900	1.122	1.073	1.040	1.000	1.040	1.016	1.000	1.000	1.000
Selected Incremental - Prior 3/31/17	7.000	3.000	1.800	1.185	1.175	1.090	1.015	1.015	1.005	1.000	1.000	1.000
Selected - Incremental	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 - Cumulative	59.749	8.536	2.845	1.538	1.298	1.129	1.035	1.020	1.005	1.000	1.000	1.000



Reported Claim Counts  
 Period to Period Development Factors

Year of Birth -----	291:303 -----	303:315 -----	315:327 -----	327:339 -----	339:351 -----	351:Ult. -----
1989	1.000	1.000	1.000	1.000	1.000	
1990	1.000	1.000	1.000	1.000		
1991	1.000	1.000	1.000			
1992	1.000	1.000				
1993	1.000					
1994						
1995						
1996						
1997						
1998						
1999						
2000						
2001						
2002						
2003						
2004						
2005						
2006						
2007						
2008						
2009						
2010						
2011						
2012						
2013						
2014						
2015						
2016						
2017						
Simple Avg. - Incremental	1.000	1.000	1.000	1.000	1.000	
Wtd Avg. All - Incremental	1.000	1.000	1.000	1.000	1.000	
Wtd Latest Five - Incremental	1.000	1.000	1.000	1.000	1.000	
Wtd Latest Three - Incremental	1.000	1.000	1.000	1.000	1.000	
Selected Incremental - Prior 3/31/17	1.000	1.000	1.000	1.000	1.000	
Selected - Incremental	1.000	1.000	1.000	1.000	1.000	1.000
Selected - Cumulative	1.000	1.000	1.000	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 - 2018 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 2018 Level - After Mortality</b>										
2018	2.00%	1.06%	1.04%	1.14%	1.51%	1.25%	1.41%	1.55%	1.07%	0.33%
2019	1.19%	1.33%	1.39%	1.37%	1.50%	1.98%	1.64%	1.84%	2.03%	1.42%
2020	2.43%	1.51%	1.31%	1.37%	1.34%	1.47%	1.94%	1.61%	1.81%	2.02%
2021	2.36%	1.91%	1.49%	1.29%	1.34%	1.32%	1.44%	1.90%	1.58%	1.80%
2022	2.59%	1.70%	1.88%	1.46%	1.27%	1.32%	1.29%	1.42%	1.87%	1.57%
2023	2.28%	1.76%	1.67%	1.85%	1.44%	1.24%	1.30%	1.27%	1.39%	1.86%
2024	2.79%	1.79%	1.74%	1.65%	1.82%	1.41%	1.22%	1.27%	1.25%	1.38%
2025	2.17%	2.08%	1.76%	1.71%	1.62%	1.78%	1.39%	1.20%	1.25%	1.24%
2026	2.14%	1.87%	2.05%	1.74%	1.68%	1.59%	1.75%	1.36%	1.18%	1.24%
2027	2.45%	1.87%	1.84%	2.02%	1.70%	1.65%	1.56%	1.72%	1.34%	1.17%
2028	2.03%	1.88%	1.85%	1.82%	1.98%	1.67%	1.62%	1.53%	1.69%	1.33%
2029	2.00%	1.83%	1.85%	1.82%	1.78%	1.95%	1.64%	1.59%	1.50%	1.68%
2030	2.06%	1.87%	1.80%	1.83%	1.79%	1.75%	1.91%	1.61%	1.56%	1.49%
2031	2.95%	2.01%	1.85%	1.78%	1.79%	1.75%	1.72%	1.88%	1.59%	1.55%
2032	2.65%	2.22%	1.98%	1.82%	1.74%	1.76%	1.72%	1.68%	1.85%	1.57%
2033	2.36%	2.28%	2.19%	1.95%	1.78%	1.71%	1.73%	1.69%	1.66%	1.83%
2034	2.30%	2.39%	2.24%	2.16%	1.92%	1.75%	1.68%	1.69%	1.66%	1.65%
2035	2.26%	2.32%	2.35%	2.21%	2.12%	1.88%	1.72%	1.65%	1.67%	1.65%
2036	2.27%	2.29%	2.29%	2.32%	2.17%	2.08%	1.85%	1.69%	1.62%	1.66%
2037	2.50%	2.36%	2.26%	2.26%	2.27%	2.13%	2.04%	1.81%	1.66%	1.61%
2038	2.56%	2.34%	2.33%	2.23%	2.21%	2.23%	2.09%	2.00%	1.78%	1.65%
2039	2.10%	2.36%	2.31%	2.29%	2.18%	2.17%	2.19%	2.05%	1.97%	1.77%
2040	2.04%	2.27%	2.33%	2.27%	2.25%	2.15%	2.13%	2.15%	2.02%	1.96%
2041	1.99%	2.20%	2.23%	2.30%	2.23%	2.21%	2.11%	2.09%	2.12%	2.00%
2042	2.09%	2.12%	2.17%	2.20%	2.25%	2.19%	2.17%	2.07%	2.06%	2.10%
2043	1.87%	2.07%	2.09%	2.14%	2.16%	2.21%	2.15%	2.13%	2.03%	2.04%
2044	1.82%	2.01%	2.04%	2.06%	2.10%	2.12%	2.17%	2.11%	2.09%	2.02%
2045	2.08%	1.96%	1.98%	2.01%	2.02%	2.06%	2.08%	2.13%	2.08%	2.08%
2046	1.71%	1.89%	1.94%	1.95%	1.97%	1.99%	2.02%	2.04%	2.10%	2.06%
2047	1.88%	1.83%	1.86%	1.91%	1.91%	1.94%	1.95%	1.98%	2.01%	2.08%
2048	1.60%	1.80%	1.80%	1.83%	1.87%	1.88%	1.90%	1.91%	1.95%	2.00%
2049	1.55%	1.75%	1.78%	1.78%	1.80%	1.84%	1.85%	1.87%	1.88%	1.94%
2050	1.51%	1.71%	1.73%	1.75%	1.74%	1.77%	1.81%	1.81%	1.84%	1.87%
2051	1.45%	1.66%	1.68%	1.70%	1.72%	1.71%	1.74%	1.77%	1.78%	1.82%
2052	1.77%	1.60%	1.64%	1.66%	1.67%	1.69%	1.68%	1.70%	1.74%	1.77%
2053	1.36%	1.55%	1.57%	1.61%	1.63%	1.64%	1.66%	1.65%	1.67%	1.73%
2054	1.31%	1.51%	1.53%	1.55%	1.58%	1.60%	1.61%	1.62%	1.62%	1.66%
2055	1.26%	1.46%	1.48%	1.50%	1.52%	1.56%	1.57%	1.58%	1.60%	1.61%
2056	1.22%	1.41%	1.44%	1.46%	1.48%	1.50%	1.53%	1.54%	1.55%	1.59%
2057	1.32%	1.37%	1.39%	1.42%	1.43%	1.45%	1.47%	1.50%	1.51%	1.54%
2058	1.12%	1.36%	1.35%	1.37%	1.39%	1.41%	1.42%	1.44%	1.47%	1.50%
2059	1.26%	1.30%	1.34%	1.33%	1.34%	1.37%	1.38%	1.39%	1.42%	1.46%
2060	1.03%	1.26%	1.28%	1.32%	1.30%	1.32%	1.34%	1.36%	1.37%	1.41%
2061	0.99%	1.22%	1.25%	1.26%	1.29%	1.28%	1.29%	1.32%	1.33%	1.36%
2062	1.03%	1.16%	1.20%	1.23%	1.24%	1.27%	1.26%	1.27%	1.30%	1.33%
2063	0.91%	1.13%	1.15%	1.18%	1.20%	1.22%	1.25%	1.23%	1.25%	1.29%
2064	0.87%	1.08%	1.12%	1.13%	1.16%	1.18%	1.20%	1.22%	1.21%	1.24%
2065	0.83%	1.05%	1.07%	1.10%	1.11%	1.14%	1.16%	1.17%	1.20%	1.21%
2066	0.91%	1.00%	1.04%	1.05%	1.08%	1.09%	1.12%	1.14%	1.15%	1.19%
2067	0.84%	0.95%	0.99%	1.02%	1.03%	1.06%	1.07%	1.10%	1.12%	1.14%

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 2018 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 - 2018 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 2018 Level - After Mortality</b>										
2068	0.71%	0.92%	0.94%	0.97%	1.00%	1.01%	1.04%	1.05%	1.08%	1.11%
2069	0.67%	0.87%	0.90%	0.93%	0.95%	0.99%	1.00%	1.02%	1.03%	1.07%
2070	0.64%	0.84%	0.86%	0.89%	0.91%	0.94%	0.97%	0.98%	1.00%	1.03%
2071	0.60%	0.80%	0.82%	0.85%	0.87%	0.89%	0.92%	0.95%	0.96%	1.00%
2072	0.61%	0.76%	0.79%	0.81%	0.83%	0.86%	0.88%	0.90%	0.94%	0.95%
2073	0.61%	0.72%	0.75%	0.77%	0.80%	0.82%	0.84%	0.86%	0.89%	0.93%
2074	0.50%	0.68%	0.71%	0.73%	0.76%	0.78%	0.80%	0.83%	0.84%	0.88%
2075	0.47%	0.65%	0.67%	0.70%	0.72%	0.75%	0.77%	0.79%	0.81%	0.84%
2076	0.44%	0.61%	0.64%	0.66%	0.69%	0.71%	0.73%	0.75%	0.77%	0.81%
2077	0.46%	0.57%	0.60%	0.63%	0.65%	0.68%	0.70%	0.72%	0.74%	0.77%
2078	0.38%	0.54%	0.56%	0.59%	0.62%	0.63%	0.66%	0.68%	0.71%	0.74%
2079	0.36%	0.51%	0.53%	0.55%	0.58%	0.61%	0.62%	0.65%	0.67%	0.70%
2080	0.38%	0.48%	0.50%	0.53%	0.54%	0.57%	0.60%	0.61%	0.64%	0.67%
2081	0.31%	0.44%	0.47%	0.49%	0.52%	0.53%	0.56%	0.58%	0.60%	0.64%
2082	0.30%	0.41%	0.43%	0.46%	0.48%	0.51%	0.52%	0.55%	0.57%	0.60%
2083	0.26%	0.38%	0.40%	0.43%	0.45%	0.48%	0.50%	0.51%	0.54%	0.57%
2084	0.24%	0.35%	0.38%	0.40%	0.42%	0.45%	0.47%	0.49%	0.50%	0.53%
2085	0.22%	0.33%	0.34%	0.37%	0.39%	0.41%	0.44%	0.46%	0.48%	0.50%
2086	0.20%	0.30%	0.32%	0.34%	0.37%	0.38%	0.40%	0.43%	0.45%	0.48%
2087	0.22%	0.27%	0.29%	0.32%	0.33%	0.36%	0.38%	0.40%	0.42%	0.45%
2088	0.17%	0.25%	0.27%	0.29%	0.31%	0.33%	0.35%	0.37%	0.39%	0.42%
2089	0.15%	0.23%	0.24%	0.26%	0.28%	0.31%	0.32%	0.35%	0.36%	0.39%
2090	0.14%	0.20%	0.22%	0.24%	0.26%	0.28%	0.30%	0.31%	0.34%	0.36%
2091	0.12%	0.18%	0.20%	0.22%	0.24%	0.25%	0.27%	0.29%	0.31%	0.34%
2092	0.12%	0.16%	0.18%	0.20%	0.21%	0.23%	0.25%	0.27%	0.29%	0.31%
2093	0.10%	0.14%	0.16%	0.17%	0.19%	0.21%	0.23%	0.24%	0.26%	0.29%
2094	0.09%	0.12%	0.14%	0.15%	0.17%	0.19%	0.21%	0.22%	0.24%	0.26%
2095	0.08%	0.11%	0.12%	0.14%	0.15%	0.17%	0.19%	0.20%	0.22%	0.24%
2096	0.07%	0.09%	0.11%	0.12%	0.14%	0.15%	0.16%	0.18%	0.20%	0.22%
2097	0.06%	0.08%	0.09%	0.10%	0.12%	0.13%	0.15%	0.16%	0.18%	0.20%
2098	0.05%	0.07%	0.08%	0.09%	0.10%	0.12%	0.13%	0.14%	0.16%	0.18%
2099	0.04%	0.06%	0.07%	0.08%	0.09%	0.10%	0.11%	0.13%	0.14%	0.16%
2100	0.03%	0.05%	0.06%	0.06%	0.08%	0.09%	0.10%	0.11%	0.13%	0.14%
2101	0.03%	0.04%	0.05%	0.05%	0.06%	0.07%	0.09%	0.10%	0.11%	0.13%
2102	0.02%	0.03%	0.04%	0.05%	0.05%	0.06%	0.07%	0.08%	0.10%	0.11%
2103	0.02%	0.02%	0.03%	0.04%	0.04%	0.05%	0.06%	0.07%	0.08%	0.09%
2104	0.01%	0.02%	0.02%	0.03%	0.04%	0.04%	0.05%	0.06%	0.07%	0.08%
2105	0.01%	0.01%	0.02%	0.02%	0.03%	0.04%	0.04%	0.05%	0.06%	0.07%
2106	0.01%	0.01%	0.01%	0.02%	0.02%	0.03%	0.03%	0.04%	0.05%	0.06%
2107	0.01%	0.01%	0.01%	0.01%	0.02%	0.02%	0.03%	0.03%	0.04%	0.05%
2108	0.02%	0.01%	0.01%	0.01%	0.01%	0.02%	0.02%	0.03%	0.03%	0.04%
2109	0.00%	0.01%	0.01%	0.01%	0.01%	0.01%	0.02%	0.02%	0.03%	0.03%
2110	0.00%	0.00%	0.01%	0.01%	0.01%	0.01%	0.01%	0.02%	0.02%	0.03%
2111	0.00%	0.00%	0.00%	0.01%	0.01%	0.01%	0.01%	0.01%	0.02%	0.02%
2112	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%	0.01%	0.01%	0.01%	0.02%
2113	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%	0.01%	0.01%	0.01%
2114	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%	0.01%	0.01%
2115	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%	0.01%
2116	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%
2117	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	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 2018 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 - 2018 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 2018 Level - After Mortality</b>										
2018	2.04%	2.09%	2.70%	2.66%	3.14%	2.44%	2.51%	2.78%	3.06%	1.85%
2019	2.20%	2.05%	2.37%	1.95%	2.59%	1.56%	1.74%	1.61%	2.79%	1.10%
2020	2.69%	2.25%	2.38%	2.45%	3.60%	2.41%	2.54%	2.60%	3.43%	2.03%
2021	3.44%	2.13%	2.31%	2.40%	3.45%	2.34%	2.26%	2.52%	3.26%	1.99%
2022	3.33%	3.78%	3.06%	2.55%	3.66%	2.58%	2.28%	2.74%	3.53%	2.18%
2023	3.25%	3.49%	2.74%	2.28%	3.24%	2.25%	1.90%	2.55%	2.98%	1.93%
2024	3.88%	4.05%	3.35%	3.65%	3.87%	2.84%	2.23%	3.02%	3.58%	2.37%
2025	3.03%	3.13%	2.59%	2.93%	3.71%	2.13%	1.58%	2.42%	2.70%	1.86%
2026	3.57%	2.97%	2.55%	2.84%	3.59%	2.71%	1.49%	2.37%	2.58%	1.83%
2027	3.59%	3.38%	3.07%	3.08%	3.84%	3.04%	2.80%	2.63%	3.03%	2.10%
2028	3.34%	2.95%	2.73%	2.71%	3.31%	2.58%	2.39%	2.70%	2.42%	1.76%
2029	3.24%	2.80%	2.68%	2.67%	3.20%	2.53%	2.31%	2.64%	2.39%	1.73%
2030	3.12%	2.64%	2.59%	2.57%	3.09%	2.46%	2.20%	2.56%	2.28%	2.06%
2031	3.40%	2.97%	2.95%	2.97%	3.56%	3.07%	2.49%	2.87%	2.73%	2.29%
2032	2.93%	2.43%	2.71%	2.61%	3.10%	2.70%	2.47%	2.64%	2.37%	2.17%
2033	2.82%	2.21%	2.39%	2.37%	2.73%	2.39%	2.23%	2.36%	1.99%	1.94%
2034	2.72%	2.08%	2.32%	2.28%	2.62%	2.34%	2.16%	2.29%	2.20%	1.91%
2035	2.63%	1.96%	2.27%	2.23%	2.52%	2.29%	2.12%	2.24%	2.11%	2.18%
2036	2.52%	1.84%	2.30%	2.15%	2.40%	2.22%	2.04%	2.17%	2.02%	2.13%
2037	2.53%	1.87%	2.54%	2.34%	2.57%	2.49%	2.20%	2.36%	2.26%	2.34%
2038	2.63%	2.58%	2.38%	2.36%	2.64%	2.59%	2.24%	2.35%	2.28%	2.27%
2039	2.24%	2.18%	2.11%	1.95%	2.08%	2.05%	1.88%	1.98%	1.79%	2.00%
2040	2.15%	2.08%	2.04%	1.96%	1.99%	2.00%	1.83%	1.92%	1.71%	1.95%
2041	2.07%	1.99%	1.99%	1.92%	1.90%	1.96%	1.80%	1.87%	1.65%	1.91%
2042	1.98%	1.94%	2.11%	1.96%	1.96%	2.07%	1.85%	1.96%	1.77%	2.01%
2043	1.89%	1.80%	1.86%	1.78%	1.71%	1.84%	1.69%	1.75%	1.52%	1.82%
2044	1.82%	1.72%	1.81%	1.79%	1.63%	1.79%	1.67%	1.70%	1.59%	1.78%
2045	1.94%	1.79%	1.89%	1.88%	1.85%	2.11%	1.85%	1.87%	1.84%	1.92%
2046	1.65%	1.56%	1.68%	1.66%	1.46%	1.68%	1.57%	1.58%	1.47%	1.69%
2047	1.64%	1.58%	1.86%	1.79%	1.57%	1.88%	1.70%	1.72%	1.64%	1.85%
2048	1.49%	1.42%	1.56%	1.55%	1.30%	1.58%	1.49%	1.48%	1.36%	1.60%
2049	1.41%	1.36%	1.51%	1.50%	1.23%	1.53%	1.45%	1.43%	1.31%	1.56%
2050	1.34%	1.30%	1.46%	1.44%	1.16%	1.49%	1.42%	1.38%	1.26%	1.52%
2051	1.27%	1.24%	1.40%	1.38%	1.09%	1.43%	1.37%	1.33%	1.21%	1.48%
2052	1.33%	1.28%	1.59%	1.52%	1.33%	1.80%	1.61%	1.57%	1.55%	1.70%
2053	1.13%	1.13%	1.29%	1.28%	0.96%	1.34%	1.46%	1.26%	1.13%	1.40%
2054	1.06%	1.08%	1.23%	1.22%	0.89%	1.28%	1.41%	1.26%	1.08%	1.35%
2055	0.99%	1.04%	1.18%	1.22%	0.83%	1.23%	1.37%	1.21%	1.04%	1.31%
2056	0.93%	0.99%	1.14%	1.17%	0.78%	1.19%	1.35%	1.17%	1.01%	1.49%
2057	0.90%	1.00%	1.24%	1.24%	0.83%	1.30%	1.42%	1.24%	1.13%	1.59%
2058	0.80%	0.91%	1.03%	1.07%	0.67%	1.09%	1.26%	1.07%	0.93%	1.40%
2059	0.83%	0.90%	1.05%	1.09%	0.75%	1.26%	1.38%	1.14%	1.08%	1.47%
2060	0.69%	0.84%	0.93%	0.97%	0.57%	0.99%	1.18%	0.99%	0.86%	1.31%
2061	0.63%	0.81%	0.88%	0.92%	0.52%	0.95%	1.15%	0.95%	0.82%	1.26%
2062	0.58%	0.80%	0.94%	0.93%	0.53%	0.99%	1.18%	0.97%	0.88%	1.30%
2063	0.53%	0.74%	0.79%	0.83%	0.44%	0.86%	1.07%	0.86%	0.76%	1.18%
2064	0.48%	0.72%	0.74%	0.78%	0.40%	0.81%	1.03%	0.82%	0.72%	1.13%
2065	0.44%	0.69%	0.70%	0.74%	0.36%	0.78%	1.00%	0.79%	0.70%	1.09%
2066	0.43%	0.66%	0.69%	0.73%	0.40%	0.87%	1.06%	0.81%	0.80%	1.13%
2067	0.37%	0.67%	0.71%	0.72%	0.34%	0.78%	1.00%	0.78%	0.74%	1.11%

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 2018 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 - 2018 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 2018 Level - After Mortality</b>										
2068	0.31%	0.61%	0.57%	0.61%	0.27%	0.65%	0.89%	0.67%	0.61%	0.96%
2069	0.28%	0.58%	0.53%	0.57%	0.24%	0.60%	0.85%	0.64%	0.58%	0.92%
2070	0.24%	0.56%	0.49%	0.53%	0.21%	0.56%	0.81%	0.60%	0.55%	0.88%
2071	0.21%	0.53%	0.45%	0.50%	0.19%	0.53%	0.78%	0.57%	0.52%	0.84%
2072	0.18%	0.52%	0.47%	0.49%	0.18%	0.53%	0.77%	0.57%	0.55%	0.85%
2073	0.17%	0.48%	0.40%	0.44%	0.17%	0.53%	0.76%	0.53%	0.57%	0.81%
2074	0.14%	0.45%	0.35%	0.40%	0.13%	0.42%	0.66%	0.47%	0.44%	0.71%
2075	0.11%	0.43%	0.31%	0.37%	0.11%	0.38%	0.62%	0.44%	0.42%	0.67%
2076	0.09%	0.40%	0.28%	0.34%	0.09%	0.35%	0.58%	0.41%	0.39%	0.63%
2077	0.08%	0.40%	0.30%	0.34%	0.09%	0.36%	0.60%	0.42%	0.44%	0.66%
2078	0.06%	0.35%	0.23%	0.28%	0.07%	0.29%	0.51%	0.35%	0.34%	0.56%
2079	0.05%	0.33%	0.20%	0.26%	0.06%	0.26%	0.48%	0.33%	0.32%	0.52%
2080	0.04%	0.30%	0.18%	0.24%	0.06%	0.27%	0.48%	0.31%	0.36%	0.52%
2081	0.03%	0.28%	0.15%	0.21%	0.04%	0.20%	0.41%	0.28%	0.28%	0.45%
2082	0.02%	0.26%	0.15%	0.20%	0.03%	0.20%	0.39%	0.27%	0.29%	0.44%
2083	0.02%	0.23%	0.11%	0.17%	0.02%	0.16%	0.34%	0.23%	0.24%	0.38%
2084	0.01%	0.21%	0.09%	0.15%	0.02%	0.14%	0.31%	0.21%	0.22%	0.35%
2085	0.01%	0.19%	0.08%	0.14%	0.01%	0.12%	0.28%	0.19%	0.20%	0.32%
2086	0.01%	0.17%	0.06%	0.12%	0.01%	0.10%	0.25%	0.17%	0.18%	0.29%
2087	0.00%	0.15%	0.06%	0.11%	0.01%	0.11%	0.26%	0.17%	0.23%	0.30%
2088	0.00%	0.13%	0.04%	0.09%	0.01%	0.07%	0.20%	0.14%	0.14%	0.23%
2089	0.00%	0.11%	0.03%	0.08%	0.00%	0.06%	0.18%	0.12%	0.13%	0.21%
2090	0.00%	0.09%	0.02%	0.07%	0.00%	0.05%	0.15%	0.11%	0.11%	0.18%
2091	0.00%	0.08%	0.02%	0.06%	0.00%	0.04%	0.13%	0.09%	0.10%	0.16%
2092	0.00%	0.07%	0.02%	0.05%	0.00%	0.03%	0.12%	0.08%	0.10%	0.15%
2093	0.00%	0.05%	0.01%	0.04%	0.00%	0.03%	0.09%	0.07%	0.07%	0.12%
2094	0.00%	0.04%	0.01%	0.03%	0.00%	0.02%	0.08%	0.06%	0.08%	0.11%
2095	0.00%	0.03%	0.00%	0.03%	0.00%	0.02%	0.07%	0.05%	0.05%	0.09%
2096	0.00%	0.03%	0.00%	0.02%	0.00%	0.01%	0.05%	0.04%	0.04%	0.07%
2097	0.00%	0.02%	0.00%	0.02%	0.00%	0.01%	0.05%	0.03%	0.04%	0.07%
2098	0.00%	0.01%	0.00%	0.01%	0.00%	0.01%	0.03%	0.03%	0.03%	0.05%
2099	0.00%	0.04%	0.00%	0.01%	0.00%	0.00%	0.03%	0.02%	0.02%	0.04%
2100	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.02%	0.02%	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%	0.00%	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%

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 2018 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 - 2018 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 2018 Level - After Mortality</b>										
2018	3.91%	3.60%	2.76%	2.67%	4.39%	3.04%	2.66%	2.46%	2.23%	2.80%
2019	3.53%	4.14%	2.90%	2.52%	3.58%	2.03%	2.67%	2.27%	1.87%	2.53%
2020	3.69%	4.82%	2.95%	3.01%	3.77%	2.29%	2.92%	3.87%	2.98%	2.72%
2021	3.49%	4.62%	2.87%	3.01%	3.71%	2.22%	2.84%	3.67%	2.88%	2.66%
2022	3.54%	4.84%	3.18%	3.35%	3.64%	2.43%	3.20%	3.57%	3.04%	2.67%
2023	3.29%	4.32%	2.78%	2.94%	3.08%	2.20%	2.98%	3.60%	2.71%	2.41%
2024	4.27%	4.74%	3.50%	3.48%	3.28%	2.78%	3.74%	4.08%	3.41%	2.97%
2025	3.02%	3.97%	2.64%	2.87%	2.62%	2.13%	2.88%	3.23%	2.68%	2.63%
2026	2.90%	3.84%	2.58%	2.74%	2.46%	2.13%	2.82%	3.09%	2.61%	2.51%
2027	3.09%	4.15%	2.88%	3.17%	2.62%	2.39%	3.03%	3.20%	2.87%	2.70%
2028	2.76%	3.51%	2.45%	2.84%	2.18%	2.06%	2.68%	2.81%	2.45%	2.35%
2029	2.67%	3.39%	2.39%	2.89%	2.18%	2.05%	2.63%	2.70%	2.38%	2.38%
2030	2.58%	3.22%	2.44%	2.75%	2.14%	2.01%	2.55%	2.77%	2.31%	2.30%
2031	3.03%	3.54%	2.73%	3.02%	2.38%	2.56%	2.84%	2.99%	2.77%	2.73%
2032	2.62%	3.22%	2.56%	2.90%	2.20%	2.18%	2.58%	2.66%	2.40%	2.33%
2033	2.34%	2.80%	2.23%	2.60%	1.94%	1.94%	2.37%	2.47%	2.11%	2.19%
2034	2.27%	2.66%	2.17%	2.49%	1.89%	1.91%	2.31%	2.37%	2.05%	2.07%
2035	2.20%	2.55%	2.43%	2.43%	1.85%	1.90%	2.26%	2.30%	2.00%	2.03%
2036	2.13%	2.40%	2.36%	2.35%	1.79%	1.86%	2.20%	2.21%	1.93%	1.97%
2037	2.30%	2.58%	2.57%	2.67%	2.01%	2.09%	2.36%	2.30%	2.17%	2.19%
2038	2.41%	2.50%	2.35%	2.50%	1.98%	2.34%	2.36%	2.29%	2.26%	2.30%
2039	1.93%	2.03%	2.16%	2.14%	1.68%	1.78%	2.03%	1.98%	1.77%	1.88%
2040	1.87%	1.91%	2.09%	2.07%	1.64%	1.75%	1.97%	1.91%	1.72%	1.95%
2041	1.81%	1.81%	2.03%	2.06%	1.62%	1.74%	1.92%	1.85%	1.67%	1.96%
2042	1.91%	1.84%	2.13%	2.14%	1.73%	1.87%	1.97%	1.84%	1.80%	1.95%
2043	1.69%	1.57%	1.90%	1.87%	1.54%	1.67%	1.81%	1.71%	1.57%	1.80%
2044	1.63%	1.48%	1.84%	1.81%	1.64%	1.91%	1.76%	1.65%	1.88%	1.77%
2045	1.89%	1.58%	1.86%	1.99%	1.81%	2.10%	1.91%	1.76%	2.06%	2.06%
2046	1.51%	1.26%	1.71%	1.67%	1.56%	1.83%	1.65%	1.53%	1.77%	1.67%
2047	1.66%	1.34%	1.83%	1.83%	1.73%	2.02%	1.76%	1.59%	1.95%	1.80%
2048	1.40%	1.07%	1.58%	1.53%	1.48%	1.75%	1.54%	1.42%	1.66%	1.58%
2049	1.35%	0.98%	1.52%	1.51%	1.45%	1.71%	1.49%	1.36%	1.61%	1.58%
2050	1.29%	0.91%	1.46%	1.40%	1.41%	1.69%	1.44%	1.31%	1.56%	1.50%
2051	1.24%	0.82%	1.40%	1.33%	1.37%	1.63%	1.38%	1.25%	1.51%	1.44%
2052	1.55%	0.94%	1.50%	1.55%	1.62%	1.93%	1.56%	1.36%	1.78%	1.72%
2053	1.13%	0.67%	1.29%	1.25%	1.30%	1.56%	1.28%	1.15%	1.41%	1.41%
2054	1.08%	0.60%	1.23%	1.14%	1.25%	1.51%	1.23%	1.10%	1.36%	1.31%
2055	1.02%	0.53%	1.17%	1.08%	1.21%	1.47%	1.18%	1.05%	1.31%	1.27%
2056	0.97%	0.48%	1.12%	1.02%	1.17%	1.43%	1.13%	1.00%	1.26%	1.23%
2057	1.06%	0.48%	1.16%	1.12%	1.27%	1.54%	1.18%	1.02%	1.38%	1.34%
2058	0.87%	0.36%	1.01%	0.90%	1.09%	1.33%	1.02%	0.91%	1.16%	1.13%
2059	0.99%	0.38%	0.99%	0.93%	1.18%	1.46%	1.08%	0.94%	1.24%	1.29%
2060	0.77%	0.27%	0.91%	0.79%	1.00%	1.24%	0.92%	0.81%	1.06%	1.05%
2061	0.72%	0.23%	0.86%	0.76%	0.96%	1.19%	0.87%	0.77%	1.01%	1.04%
2062	0.76%	0.22%	0.86%	0.74%	1.00%	1.24%	0.87%	0.75%	1.07%	1.01%
2063	0.63%	0.16%	0.76%	0.63%	0.87%	1.10%	0.78%	0.68%	0.91%	0.91%
2064	0.58%	0.14%	0.72%	0.58%	0.83%	1.05%	0.73%	0.64%	0.87%	0.87%
2065	0.54%	0.11%	0.68%	0.55%	0.79%	1.00%	0.68%	0.60%	0.82%	0.86%
2066	0.60%	0.11%	0.64%	0.53%	0.83%	1.08%	0.70%	0.61%	0.86%	0.92%
2067	0.52%	0.08%	0.63%	0.50%	0.78%	1.00%	0.64%	0.55%	0.84%	0.81%

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 2018 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 - 2018 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 2018 Level - After Mortality</b>										
2068	0.41%	0.06%	0.55%	0.40%	0.66%	0.85%	0.55%	0.47%	0.69%	0.70%
2069	0.36%	0.04%	0.51%	0.38%	0.61%	0.80%	0.50%	0.44%	0.64%	0.68%
2070	0.33%	0.03%	0.47%	0.33%	0.57%	0.75%	0.46%	0.40%	0.60%	0.61%
2071	0.29%	0.02%	0.43%	0.29%	0.53%	0.70%	0.42%	0.36%	0.55%	0.58%
2072	0.29%	0.02%	0.41%	0.28%	0.53%	0.69%	0.39%	0.34%	0.57%	0.56%
2073	0.28%	0.02%	0.37%	0.25%	0.49%	0.68%	0.37%	0.32%	0.52%	0.60%
2074	0.19%	0.01%	0.33%	0.20%	0.41%	0.55%	0.30%	0.26%	0.43%	0.46%
2075	0.16%	0.01%	0.30%	0.18%	0.37%	0.50%	0.27%	0.23%	0.39%	0.42%
2076	0.14%	0.00%	0.27%	0.16%	0.33%	0.46%	0.23%	0.20%	0.36%	0.38%
2077	0.14%	0.00%	0.25%	0.16%	0.33%	0.45%	0.22%	0.19%	0.37%	0.39%
2078	0.09%	0.00%	0.22%	0.12%	0.27%	0.37%	0.18%	0.15%	0.29%	0.31%
2079	0.07%	0.00%	0.19%	0.10%	0.23%	0.33%	0.15%	0.13%	0.25%	0.27%
2080	0.08%	0.00%	0.17%	0.09%	0.22%	0.33%	0.14%	0.12%	0.25%	0.29%
2081	0.05%	0.00%	0.14%	0.08%	0.18%	0.25%	0.11%	0.09%	0.19%	0.22%
2082	0.04%	0.00%	0.12%	0.07%	0.16%	0.23%	0.09%	0.07%	0.19%	0.19%
2083	0.03%	0.00%	0.11%	0.05%	0.13%	0.18%	0.07%	0.06%	0.14%	0.16%
2084	0.02%	0.00%	0.09%	0.05%	0.11%	0.15%	0.06%	0.05%	0.12%	0.13%
2085	0.01%	0.00%	0.07%	0.04%	0.09%	0.13%	0.04%	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%	0.09%
2087	0.01%	0.00%	0.05%	0.03%	0.07%	0.10%	0.03%	0.02%	0.09%	0.09%
2088	0.01%	0.00%	0.04%	0.02%	0.05%	0.06%	0.02%	0.01%	0.05%	0.06%
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%	0.07%	0.01%	0.03%	0.04%	0.01%	0.01%	0.03%	0.03%
2091	0.00%	0.00%	0.00%	0.06%	0.02%	0.03%	0.01%	0.00%	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%

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 2018 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 - 2018 Level - After Consideration of Mortality

Claim Number							Annual	Quarter	
Date of Birth							Basis	Basis	
Life Expectancy @ 12/31/17	36.32	33.85	15.00	4.80	9.34	27.28	Percent	Percent	
Sex	M	M	M	M	F	F	of Total	of Total	
	(2)	(3)	(4)	(5)	(6)	(7)	By Year	By Year	
	Totals						(8)	(9)	(10)
<b>Attained Age</b>	<b>Incremental Payments By Claim By Year - 2018 Level - After Mortality (a)</b>								
22	122,752	172,496	57,964	34,943	153,264	127,493	668,913	3.25%	2.46%
23	111,611	141,036	55,156	8,359	117,020	28,896	462,078	2.25%	2.27%
24	116,155	144,932	206,149	134,630	106,954	80,727	789,546	3.84%	3.87%
25	114,821	142,524	194,359	109,636	108,427	78,563	748,330	3.64%	3.67%
26	113,478	140,588	184,419	89,106	101,527	99,386	728,504	3.54%	3.57%
27	182,567	137,535	176,100	72,260	89,407	75,632	733,501	3.57%	3.60%
28	180,350	174,278	195,491	68,431	102,618	110,542	831,708	4.04%	4.08%
29	178,111	133,190	156,537	46,535	72,678	71,842	658,893	3.20%	3.23%
30	175,849	131,667	148,931	37,148	65,628	70,586	629,810	3.06%	3.09%
31	173,564	141,692	145,307	29,962	68,475	94,596	653,595	3.18%	3.20%
32	171,254	127,246	131,321	23,098	52,637	66,857	572,414	2.78%	2.81%
33	168,921	125,654	124,406	18,096	47,192	65,589	549,859	2.67%	2.70%
34	166,566	123,204	115,962	14,025	41,935	104,028	565,719	2.75%	2.77%
35	164,187	156,250	128,403	12,746	47,485	101,346	610,417	2.97%	2.99%
36	161,785	119,502	102,512	8,300	34,208	116,683	542,989	2.64%	2.66%
37	159,358	117,025	95,084	6,293	29,213	96,013	502,986	2.45%	2.47%
38	156,907	114,934	88,687	4,743	25,740	93,361	484,371	2.36%	2.37%
39	154,431	113,207	83,175	3,552	22,678	91,045	468,089	2.28%	2.30%
40	151,932	110,706	76,721	2,626	19,786	88,091	449,861	2.19%	2.21%
41	149,406	119,025	74,138	1,967	20,109	105,354	469,998	2.29%	2.30%
42	146,853	137,590	78,227	1,652	19,137	83,161	466,619	2.27%	2.29%
43	144,269	104,238	60,760	1,005	12,965	80,267	403,504	1.96%	1.98%
44	141,654	102,043	55,942	713	11,167	77,681	389,199	1.89%	1.91%
45	139,005	100,162	51,743	501	9,603	75,374	376,388	1.83%	1.85%
46	136,319	97,585	47,024	345	8,426	85,521	375,219	1.82%	1.84%
47	133,594	95,319	42,913	235	6,929	69,989	348,978	1.70%	1.71%
48	130,828	93,339	39,314	157	5,865	67,690	337,193	1.64%	1.65%
49	128,018	116,975	41,762	121	6,245	64,919	358,039	1.74%	1.76%
50	125,161	88,354	31,908	66	4,085	62,403	311,977	1.52%	1.53%
51	122,256	94,541	30,087	42	3,949	74,047	324,922	1.58%	1.59%
52	119,301	83,557	25,638	25	2,775	57,411	288,707	1.40%	1.42%
53	116,296	81,112	22,812	15	2,261	54,939	277,435	1.35%	1.36%
54	113,239	78,900	20,339	9	1,832	52,675	266,995	1.30%	1.31%
55	110,132	76,129	17,767	5	1,462	50,058	255,553	1.24%	1.25%
56	106,973	94,905	18,351	3	1,514	56,178	277,924	1.35%	1.36%
57	103,761	71,264	13,596	1	913	45,433	234,969	1.14%	1.15%
58	100,498	68,430	11,640	1	707	42,918	224,193	1.09%	1.10%
59	97,186	65,810	9,962	0	542	40,592	214,092	1.04%	1.05%
60	93,826	63,379	8,518	0	411	38,436	204,570	0.99%	1.00%
61	90,420	66,330	7,412	0	357	44,421	208,940	1.02%	1.02%
62	86,968	57,820	5,925	0	225	33,816	184,754	0.90%	0.91%
63	83,471	71,268	5,803	0	207	31,747	192,497	0.94%	0.94%
64	79,930	52,403	3,977	0	115	29,498	165,923	0.81%	0.81%
65	76,348	49,674	3,197	0	80	27,411	156,711	0.76%	0.77%
66	72,728	47,097	2,553	0	56	30,009	152,443	0.74%	0.75%
67	69,080	44,203	1,978	0	36	23,399	138,696	0.67%	0.68%
68	65,414	41,478	1,519	0	23	21,483	129,917	0.63%	0.64%
69	61,744	38,905	1,155	0	15	19,704	121,523	0.59%	0.60%
70	58,081	46,558	1,003	0	11	17,856	123,510	0.60%	0.61%
71	54,434	36,692	642	-	6	19,908	111,682	0.54%	0.55%
<b>Subtotals:</b>	<b>6,181,792</b>	<b>4,952,748</b>	<b>3,204,291</b>	<b>731,350</b>	<b>1,428,902</b>	<b>3,245,571</b>	<b>19,744,654</b>	<b>96.02%</b>	<b>95.99%</b>

Note: (a) Product of estimated payments (2018 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 - 2018 Level - After Consideration of Mortality

Claim Number								Quarter	
Date of Birth							Percent	Basis	
Life Expectancy @ 12/31/17	36.32	33.85	15.00	4.80	9.34	27.28	of Total	Percent	
Sex	M	M	M	M	F	F	By Year	of Total	By Year
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Attained Age	<b>Incremental Payments By Claim By Year - 2018 Level - After Mortality (a)</b>								
72	50,809	30,983	440	-	3	14,574	96,809	0.47%	0.47%
73	47,213	28,341	301	-	2	12,974	88,830	0.43%	0.44%
74	43,657	25,861	202	-	1	11,509	81,230	0.40%	0.40%
75	40,153	23,528	132	-	0	10,167	73,980	0.36%	0.36%
76	36,714	21,116	82	-	0	10,423	68,335	0.33%	0.34%
77	33,358	24,340	58	-	0	7,642	65,398	0.32%	0.32%
78	30,102	16,790	28	-	0	6,560	53,480	0.26%	0.26%
79	26,964	14,707	15	-	0	5,526	47,213	0.23%	0.23%
80	23,962	12,805	8	-	0	4,611	41,386	0.20%	0.20%
81	21,109	12,134	4	-	0	4,688	37,936	0.18%	0.19%
82	18,420	9,401	2	-	0	3,069	30,892	0.15%	0.15%
83	15,909	7,912	1	-	0	2,437	26,259	0.13%	0.13%
84	13,585	8,495	0	-	0	1,902	23,983	0.12%	0.12%
85	11,460	5,375	0	-	-	1,440	18,275	0.09%	0.09%
86	9,538	4,328	0	-	-	1,256	15,121	0.07%	0.07%
87	7,823	3,436	0	-	-	767	12,025	0.06%	0.06%
88	6,314	2,657	0	-	-	530	9,502	0.05%	0.05%
89	5,009	2,019	0	-	-	354	7,381	0.04%	0.04%
90	3,898	1,504	0	-	-	226	5,629	0.03%	0.03%
91	2,971	1,504	-	-	-	169	4,644	0.02%	0.02%
92	2,214	764	-	-	-	78	3,056	0.01%	0.01%
93	1,609	523	-	-	-	42	2,175	0.01%	0.01%
94	1,139	344	-	-	-	21	1,504	0.01%	0.01%
95	782	219	-	-	-	9	1,011	0.00%	0.00%
96	521	134	-	-	-	5	660	0.00%	0.00%
97	335	78	-	-	-	1	415	0.00%	0.00%
98	208	57	-	-	-	0	265	0.00%	0.00%
99	124	23	-	-	-	0	147	0.00%	0.00%
100	71	12	-	-	-	0	82	0.00%	0.00%
101	40	6	-	-	-	0	47	0.00%	0.00%
102	23	3	-	-	-	0	26	0.00%	0.00%
103	13	1	-	-	-	0	14	0.00%	0.00%
104	7	1	-	-	-	0	8	0.00%	0.00%
105	4	0	-	-	-	0	5	0.00%	0.00%
106	2	0	-	-	-	0	3	0.00%	0.00%
107	1	0	-	-	-	0	1	0.00%	0.00%
108	1	0	-	-	-	0	1	0.00%	0.00%
109	0	0	-	-	-	0	0	0.00%	0.00%
110	0	0	-	-	-	0	0	0.00%	0.00%
111	0	0	-	-	-	0	0	0.00%	0.00%
112	0	0	-	-	-	0	0	0.00%	0.00%
113	0	0	-	-	-	0	0	0.00%	0.00%
114	0	0	-	-	-	0	0	0.00%	0.00%
115	0	0	-	-	-	0	0	0.00%	0.00%
116	0	0	-	-	-	0	0	0.00%	0.00%
117	0	0	-	-	-	0	0	0.00%	0.00%
118	0	0	-	-	-	0	0	0.00%	0.00%
119	0	0	-	-	-	0	0	0.00%	0.00%
120	0	0	-	-	-	0	0	0.00%	0.00%
121	-	-	-	-	-	-	-	0.00%	0.00%
Subtotals:	456,063	259,403	1,273	-	6	100,980	817,726	3.98%	4.01%
Totals All:	6,637,855	5,212,150	3,205,564	731,350	1,428,909	3,346,551	#####	100.00%	100.00%

Note: (a) Product of estimated payments (2018 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 21

Claim Number						
Date of Birth						
Life Expectancy @ 12/31/17	36.32	33.85	15.00	4.80	9.34	27.28
Sex	M	M	M	M	F	F
	(2)	(3)	(4)	(5)	(6)	(7)
Attained Age						
22	0.98914	0.98738	0.95250	0.82608	0.91373	0.97996
23	0.97819	0.97468	0.90636	0.67956	0.83357	0.95999
24	0.96715	0.96191	0.86163	0.55677	0.75916	0.94008
25	0.95604	0.94907	0.81834	0.45435	0.69018	0.92024
26	0.94486	0.93618	0.77649	0.36927	0.62633	0.90046
27	0.93361	0.92323	0.73604	0.29884	0.56731	0.88075
28	0.92227	0.91020	0.69693	0.24070	0.51283	0.86110
29	0.91082	0.89707	0.65909	0.19285	0.46263	0.84152
30	0.89926	0.88384	0.62248	0.15363	0.41642	0.82200
31	0.88757	0.87049	0.58709	0.12164	0.37398	0.80253
32	0.87576	0.85704	0.55292	0.09572	0.33506	0.78313
33	0.86383	0.84348	0.51997	0.07484	0.29945	0.76379
34	0.85178	0.82981	0.48825	0.05812	0.26693	0.74453
35	0.83962	0.81605	0.45776	0.04483	0.23731	0.72534
36	0.82733	0.80217	0.42846	0.03433	0.21038	0.70621
37	0.81492	0.78820	0.40035	0.02608	0.18595	0.68716
38	0.80239	0.77411	0.37341	0.01965	0.16385	0.66819
39	0.78973	0.75992	0.34764	0.01469	0.14390	0.64929
40	0.77694	0.74563	0.32303	0.01088	0.12594	0.63047
41	0.76403	0.73124	0.29954	0.00798	0.10983	0.61173
42	0.75097	0.71672	0.27715	0.00580	0.09540	0.59306
43	0.73776	0.70207	0.25583	0.00417	0.08253	0.57447
44	0.72439	0.68729	0.23554	0.00296	0.07108	0.55596
45	0.71084	0.67235	0.21627	0.00207	0.06094	0.53753
46	0.69710	0.65726	0.19799	0.00143	0.05198	0.51918
47	0.68317	0.64200	0.18068	0.00097	0.04411	0.50091
48	0.66903	0.62656	0.16432	0.00065	0.03722	0.48273
49	0.65466	0.61092	0.14888	0.00043	0.03121	0.46463
50	0.64005	0.59509	0.13435	0.00027	0.02600	0.44662
51	0.62519	0.57904	0.12071	0.00017	0.02151	0.42870
52	0.61008	0.56278	0.10795	0.00011	0.01766	0.41089
53	0.59471	0.54631	0.09605	0.00006	0.01439	0.39320
54	0.57908	0.52963	0.08501	0.00004	0.01163	0.37565
55	0.56319	0.51275	0.07481	0.00002	0.00931	0.35826
56	0.54704	0.49566	0.06542	0.00001	0.00738	0.34105
57	0.53061	0.47837	0.05683	0.00001	0.00580	0.32401
58	0.51392	0.46089	0.04901	0.00000	0.00450	0.30716
59	0.49699	0.44325	0.04195	0.00000	0.00345	0.29052
60	0.47980	0.42544	0.03560	0.00000	0.00261	0.27410
61	0.46239	0.40750	0.02995	0.00000	0.00195	0.25793
62	0.44474	0.38943	0.02495	0.00000	0.00143	0.24202
63	0.42685	0.37124	0.02056	0.00000	0.00103	0.22641
64	0.40875	0.35295	0.01675	0.00000	0.00073	0.21112
65	0.39043	0.33457	0.01346	0.00000	0.00051	0.19618
66	0.37192	0.31614	0.01067	0.00000	0.00035	0.18162
67	0.35326	0.29772	0.00833	0.00000	0.00023	0.16747
68	0.33451	0.27936	0.00640	0.00000	0.00015	0.15376
69	0.31575	0.26116	0.00483	0.00000	0.00009	0.14052
70	0.29702	0.24316	0.00357	0.00000	0.00006	0.12779
71	0.27836	0.22542	0.00259	0.00000	0.00003	0.11559



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 - 2018 Level - Before Consideration of Mortality

Claim Number							Percent	
Date of Birth							of Total	
Life Expectancy @ 12/31/17	36.32	33.85	15.00	4.80	9.34	27.28		
Sex	M	M	M	M	F	F	Totals	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Attained Age	<b>Incremental Payments By Claim By Year - 2018 Level - Before Mortality - @ 12/31/17</b>							
22	124,100	174,700	60,855	42,300	167,734	130,100	699,789	0.61%
23	114,100	144,700	60,855	12,300	140,384	30,100	502,439	0.44%
24	120,100	150,672	239,254	241,804	140,884	85,872	978,586	0.86%
25	120,100	150,172	237,504	241,304	157,099	85,372	991,551	0.87%
26	120,100	150,172	237,504	241,304	162,099	110,372	1,021,551	0.90%
27	195,550	148,972	239,254	241,804	157,599	85,872	1,069,051	0.94%
28	195,550	191,472	280,504	284,304	200,099	128,372	1,280,301	1.12%
29	195,550	148,472	237,504	241,304	157,099	85,372	1,065,301	0.94%
30	195,550	148,972	239,254	241,804	157,599	85,872	1,069,051	0.94%
31	195,550	162,772	247,504	246,304	183,099	117,872	1,153,101	1.01%
32	195,550	148,472	237,504	241,304	157,099	85,372	1,065,301	0.94%
33	195,550	148,972	239,254	241,804	157,599	85,872	1,069,051	0.94%
34	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
35	195,550	191,472	280,504	284,304	200,099	139,723	1,291,652	1.13%
36	195,550	148,972	239,254	241,804	162,599	165,223	1,153,402	1.01%
37	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
38	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
39	195,550	148,972	239,254	241,804	157,599	140,223	1,123,402	0.99%
40	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
41	195,550	162,772	247,504	246,304	183,099	172,223	1,207,452	1.06%
42	195,550	191,972	282,254	284,804	200,599	140,223	1,295,402	1.14%
43	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
44	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
45	195,550	148,972	239,254	241,804	157,599	140,223	1,123,402	0.99%
46	195,550	148,472	237,504	241,304	162,099	164,723	1,149,652	1.01%
47	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
48	195,550	148,972	239,254	241,804	157,599	140,223	1,123,402	0.99%
49	195,550	191,472	280,504	284,304	200,099	139,723	1,291,652	1.13%
50	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
51	195,550	163,272	249,254	246,804	183,599	172,723	1,211,202	1.06%
52	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
53	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
54	195,550	148,972	239,254	241,804	157,599	140,223	1,123,402	0.99%
55	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
56	195,550	191,472	280,504	284,304	205,099	164,723	1,321,652	1.16%
57	195,550	148,972	239,254	241,804	157,599	140,223	1,123,402	0.99%
58	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
59	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
60	195,550	148,972	239,254	241,804	157,599	140,223	1,123,402	0.99%
61	195,550	162,772	247,504	246,304	183,099	172,223	1,207,452	1.06%
62	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
63	195,550	191,972	282,254	284,804	200,599	140,223	1,295,402	1.14%
64	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
65	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
66	195,550	148,972	239,254	241,804	162,599	165,223	1,153,402	1.01%
67	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
68	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
69	195,550	148,972	239,254	241,804	157,599	140,223	1,123,402	0.99%
70	195,550	191,472	280,504	284,304	200,099	139,723	1,291,652	1.13%
71	195,550	162,772	247,504	246,304	183,099	172,223	1,207,452	1.06%
Subtotals:	9,398,250	7,831,656	11,900,902	11,971,192	8,296,155	6,661,894	56,060,049	49.22%

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 - 2018 Level - Before Consideration of Mortality

Claim Number								
Date of Birth								
Life Expectancy @ 12/31/17	36.32	33.85	15.00	4.80	9.34	27.28		
Sex	M	M	M	M	F	F	Totals	Percent of Total By Year
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Attained Age	Incremental Payments By Claim By Year - 2018 Level - Before Mortality - @ 12/31/17							
72	195,550	148,972	239,254	241,804	157,599	140,223	1,123,402	0.99%
73	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
74	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
75	195,550	148,972	239,254	241,804	157,599	140,223	1,123,402	0.99%
76	195,550	148,472	237,504	241,304	162,099	164,723	1,149,652	1.01%
77	195,550	191,472	280,504	284,304	200,099	139,723	1,291,652	1.13%
78	195,550	148,972	239,254	241,804	157,599	140,223	1,123,402	0.99%
79	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
80	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
81	195,550	163,272	249,254	246,804	183,599	172,723	1,211,202	1.06%
82	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
83	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
84	195,550	191,972	282,254	284,804	200,599	140,223	1,295,402	1.14%
85	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
86	195,550	148,472	237,504	241,304	162,099	164,723	1,149,652	1.01%
87	195,550	148,972	239,254	241,804	157,599	140,223	1,123,402	0.99%
88	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
89	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
90	195,550	148,972	239,254	241,804	157,599	140,223	1,123,402	0.99%
91	195,550	205,772	290,504	289,304	226,099	172,223	1,379,452	1.21%
92	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
93	195,550	148,972	239,254	241,804	157,599	140,223	1,123,402	0.99%
94	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
95	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
96	195,550	148,972	239,254	241,804	162,599	165,223	1,153,402	1.01%
97	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
98	195,550	191,472	280,504	284,304	200,099	139,723	1,291,652	1.13%
99	195,550	148,972	239,254	241,804	157,599	140,223	1,123,402	0.99%
100	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
101	195,550	162,772	247,504	246,304	183,099	172,223	1,207,452	1.06%
102	195,550	148,972	239,254	241,804	157,599	140,223	1,123,402	0.99%
103	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
104	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
105	195,550	191,972	282,254	284,804	200,599	140,223	1,295,402	1.14%
106	195,550	148,472	237,504	241,304	162,099	164,723	1,149,652	1.01%
107	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
108	195,550	148,972	239,254	241,804	157,599	140,223	1,123,402	0.99%
109	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
110	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
111	195,550	163,272	249,254	246,804	183,599	172,723	1,211,202	1.06%
112	195,550	191,472	280,504	284,304	200,099	139,723	1,291,652	1.13%
113	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
114	195,550	148,972	239,254	241,804	157,599	140,223	1,123,402	0.99%
115	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
116	195,550	148,472	237,504	241,304	162,099	164,723	1,149,652	1.01%
117	195,550	148,972	239,254	241,804	157,599	140,223	1,123,402	0.99%
118	195,550	148,472	237,504	241,304	157,099	139,723	1,119,652	0.98%
119	195,550	191,472	280,504	284,304	200,099	139,723	1,291,652	1.13%
120	195,550	148,972	239,254	241,804	157,599	140,223	1,123,402	0.99%
121	195,550	162,772	247,504	246,304	183,099	172,223	1,207,452	1.06%
Subtotals:	9,777,500	7,804,600	12,255,950	12,399,700	8,319,450	7,282,150	57,839,350	50.78%
Totals All:	19,175,750	15,636,256	24,156,852	24,370,892	16,615,605	13,944,044	113,899,399	100.00%

Expense Group	Accident Year	Accident Year	Accident Year	Accident Year	Accident Year	Accident Year	Accident Year	Accident Year	Estimated Accident Year
	1/1 - 12/31 2010	1/1 - 12/31 2011	1/1 - 12/31 2012	1/1 - 12/31 2013	1/1 - 12/31 2014	1/1 - 12/31 2015	1/1 - 12/31 2016	1/1 - 12/31 2017	1/1 - 12/31 2018
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<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	584,838
Parental Award	N/A	1,772,862	854,442	1,254,414	1,404,094	1,186,749	1,254,253	1,365,273	1,365,273
Medical Expense	N/A	795,785	792,882	845,548	967,563	974,935	967,347	939,392	939,392
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	10,349,737
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	1,972,943
Custodial	N/A	19,113	98,021	73,571	172,325	30,724	50,965	130,563	130,563
Other	N/A	2,305,512	1,339,156	1,717,202	1,761,129	1,925,764	1,627,714	2,218,698	2,218,698
Totals:		14,330,324	12,977,280	14,111,688	15,512,025	15,823,958	16,430,635	17,561,445	17,561,445
<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	552,204
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	54,909,282
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	167,831,990
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	282,636,036
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	138,361,013
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	83,707,417
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	727,997,942
<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%	3.33%
Parental Award	13.53%	12.37%	6.58%	8.89%	9.05%	7.50%	7.63%	7.77%	7.77%
Medical Expense	5.60%	5.55%	6.11%	5.99%	6.24%	6.16%	5.89%	5.35%	5.35%
Nursing Care - By Parents & Family Care	36.63%	38.61%	41.69%	46.10%	48.55%	54.48%	58.59%	58.93%	58.93%
Nursing Care - By Others	18.92%	17.83%	23.20%	18.91%	15.76%	15.27%	14.72%	11.23%	11.23%
Custodial	0.15%	0.13%	0.76%	0.52%	1.11%	0.19%	0.31%	0.74%	0.74%
Other	14.41%	16.09%	10.32%	12.17%	11.35%	12.17%	9.91%	12.63%	12.63%
<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%
Parental Award	0.11%	0.10%	0.05%	0.09%	0.07%	0.11%	0.08%	0.08%	0.08%
Medical Expense	8.41%	8.87%	7.82%	7.95%	7.87%	7.88%	7.41%	7.54%	7.54%
Nursing Care - By Parents & Family Care	15.23%	14.20%	19.70%	18.47%	20.13%	21.66%	22.13%	23.05%	23.05%
Nursing Care - By Others	52.74%	53.39%	43.03%	44.13%	41.32%	39.91%	38.41%	38.82%	38.82%
Custodial	10.41%	10.15%	17.82%	17.71%	19.22%	18.82%	20.91%	19.01%	19.01%
Other	12.78%	12.88%	11.45%	11.56%	11.35%	11.61%	11.03%	11.50%	11.50%
<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%
Parental Award (b)	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%	1.29%
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%
Nursing Care - By Others (e)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.00%	0.99%	0.00%
Custodial (f)	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%	1.23%
<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%
Parental Award (b)	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%	0.78%
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%
Nursing Care - By Others (e)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.00%	0.00%	0.00%
Custodial (f)	0.00%	0.00%	95.00%	3.00%	0.00%	0.00%	4.50%	0.00%	0.00%
Other (h)	0.90%	1.78%	1.04%	0.90%	0.45%	0.44%	1.24%	1.27%	0.74%
<b>Combined (i)</b>									
Estimated Inflation - Paid Basis	0.78%	1.00%	0.78%	0.57%	0.55%	0.40%	0.69%	0.59%	0.34%
Estimated Inflation - O/S Basis	0.29%	0.42%	9.83%	0.72%	0.19%	0.17%	2.01%	0.22%	0.14%

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)
<b>Incremental Payments By Major Expense Groups</b>										
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
<b>Case Outstanding By Major Expense Groups</b>										
Legal Expense										
Parental Award										
Medical Expense										
Nursing Care - By Parents & Family Care										
Nursing Care - By Others										
Custodial										
Other										
Totals:										
<b>Percentage by Expense Group - Based on Incremental Payments</b>										
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%
<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%	0.17%
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%
<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)	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%
<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)	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%
<b>Combined (i)</b>										
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	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	Annual 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%		14.99%	16.68%		4.41%	11.20%	13.39%	15.58%	
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%		19.93%	17.17%		4.82%	16.25%	15.29%	12.52%	
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%		19.66%	23.85%	5.88%	3.39%	15.12%	16.59%	20.79%	2.82%
1993	145.80	2.75%	5.39%	3.89%	10.08%	20.98%	18.24%	11.24%	2.90%	7.22%		19.66%	23.85%	5.88%	3.39%	15.12%	16.59%	20.79%	2.82%
1994	149.70	2.67%	4.92%	3.50%	1.32%	3.11%	-7.77%	-5.14%	3.91%	7.96%		19.66%	23.85%	5.88%	3.39%	15.12%	16.59%	20.79%	2.82%
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%	17.71%	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%	5.91%	4.54%	1.30%	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%	-3.98%	-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%	2.69%	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%	4.64%	5.62%	3.03%	2.38%	10.07%	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%	0.85%	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%

**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 - 2017	1.67%		2.92%	1.80%	13.92%	15.27%	3.27%	1.94%	0.37%	4.12%	4.98%	8.09%	6.83%	7.76%	1.13%	6.29%	6.42%	5.16%	6.09%
1991 - 2017	2.29%		3.92%	2.55%	10.32%	13.32%	7.62%	5.35%	2.67%	5.95%	6.20%	8.18%	8.71%	6.01%	1.37%	5.63%	5.89%	6.42%	3.72%

**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 - 2017	0.74%		0.77%	0.35%	10.06%	14.73%	0.58%	0.42%	0.36%	0.47%	0.54%	4.41%	4.14%	6.10%	0.42%	4.06%	3.67%	3.40%	5.36%
1991 - 2017	0.93%		1.34%	0.77%	17.53%	20.00%	9.61%	5.59%	2.12%	1.52%	1.17%	7.70%	6.84%	8.96%	0.57%	6.92%	6.76%	5.91%	8.02%

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													Annual NICA Return on Investment	Difference Between Average Returns				
	CPI All Items	CPI All Items % Change	CPI Medical Index % Chg	5 Year Avg % Chg CPI All Items	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	Model Portfolio	Conservative Model Portfolio		Medical v 5 Yr Avg CPI (4) - (5)	Model v 5 Yr Avg CPI (13) - (5)	Model v Model v CPI (13) - (3)	Conservative Model v CPI (14) - (3)	NICA v CPI (15) - (3)
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		(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%				-1.58%	-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%	-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%	2.96%	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%	10.73%	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%		2.82%	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%		15.67%	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%	3.23%	1.81%	3.20%	3.20%		1.36%	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%		-1.17%	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%	-7.55%		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%	20.10%	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 - 351 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 351:Ult.	Indicated Tail Factor 351:Ult.
	Intercept Ln (a)	Slope b	Indicated Tail Factor 351:Ult.	Based on Fitted Values Beginning with 51:63 Factor	Based on Fitted Values Beginning with 75:87 Factor
(1)	(2)	(3)	(4)	(5)	(6)
First 11 Factors	(0.7520)	1.7226	1.0192	1.0229	1.0187
First 10 Factors	(2.4139)	0.9534	1.0626	1.0069	1.0776
First 9 Factors	(0.5843)	1.8116	1.0164	1.0050	1.6116
First 8 Factors	(0.2986)	1.9475	1.0133	1.0003	1.1511
First 7 Factors	4.6782	4.3517	1.0003	1.0008	1.2327
First 6 Factors	2.6236	3.3429	1.0015	1.0155	1.0023
First 5 Factors	(3.5094)	0.2781	1.2768	1.0023	1.0815
Average of All			1.0557	1.0077	1.1679
Selected Tail Factor 351:Ult.			1.1030		

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 - 351 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	1.09094	0.0909	-1.6582	-2.3976	-3.0761	0.0461	1.0461
63	6.25	1.07451	0.0745	-1.8326	-2.5969	-3.5118	0.0298	1.0298
75	7.25	1.00136	0.0014	-1.9810	-6.6026	-3.8827	0.0206	1.0206
87	8.25	1.03680	0.0368	-2.1102	-3.3023	-4.2057	0.0149	1.0149
99	9.25	1.01681	0.0168	-2.2246	-4.0855	-4.4916	0.0112	1.0112
111	10.25	1.02079	0.0208	-2.3273	-3.8734	-4.7482	0.0087	1.0087
123	11.25	1.00100	0.0010	-2.4204	-6.9078	-4.9808	0.0069	1.0069
135	12.25	1.00100	0.0010	-2.5055	-6.9078	-5.1936	0.0056	1.0056
147	13.25	1.04328	0.0433	-2.5840	-3.1401	-5.3898	0.0046	1.0046
159	14.25	1.00531	0.0053	-2.6568	-5.2380	-5.5716	0.0038	1.0038

(10) Ln a - Intercept =====> 1.0682  
 (11) a =====> 2.9101  
 (12) b - Slope =====> 2.4992  
 (13) Indicated Tail 351 to Ultimate =====> 1.0069  
 (14) Selected Tail 351 to Ultimate =====> 1.1030

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 - 351 Months to Ultimate

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

Extrapolated to 615 Months - Based on Approximate Life Expectancy at Age 29 (351 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)
351	30.25	-3.40950	-7.4528	0.0006	1.0006	1.0069
363	31.25	-3.44202	-7.5341	0.0005	1.0005	1.0063
375	32.25	-3.47352	-7.6128	0.0005	1.0005	1.0058
387	33.25	-3.50405	-7.6892	0.0005	1.0005	1.0053
399	34.25	-3.53369	-7.7632	0.0004	1.0004	1.0049
411	35.25	-3.56247	-7.8351	0.0004	1.0004	1.0044
423	36.25	-3.59044	-7.9051	0.0004	1.0004	1.0040
435	37.25	-3.61765	-7.9731	0.0003	1.0003	1.0037
447	38.25	-3.64414	-8.0393	0.0003	1.0003	1.0033
459	39.25	-3.66995	-8.1038	0.0003	1.0003	1.0030
471	40.25	-3.69511	-8.1667	0.0003	1.0003	1.0027
483	41.25	-3.71965	-8.2280	0.0003	1.0003	1.0024
495	42.25	-3.74360	-8.2878	0.0003	1.0003	1.0021
507	43.25	-3.76700	-8.3463	0.0002	1.0002	1.0019
519	44.25	-3.78986	-8.4034	0.0002	1.0002	1.0016
531	45.25	-3.81220	-8.4593	0.0002	1.0002	1.0014
543	46.25	-3.83406	-8.5139	0.0002	1.0002	1.0012
555	47.25	-3.85545	-8.5674	0.0002	1.0002	1.0010
567	48.25	-3.87640	-8.6197	0.0002	1.0002	1.0008
579	49.25	-3.89691	-8.6710	0.0002	1.0002	1.0006
591	50.25	-3.91701	-8.7212	0.0002	1.0002	1.0005
603	51.25	-3.93672	-8.7705	0.0002	1.0002	1.0003
615	52.25	-3.95604	-8.8188	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)	@ 3/31/18 (b)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
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	14,337,104
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	6,067,308
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	8,881,496
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	14,790,075
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	19,596,791
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	7,288,259
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	10,173,105
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	9,268,425
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	12,102,903
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	20,041,584
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	11,970,110
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	5,931,021
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	7,427,496
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	15,436,724
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	4,439,571
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	4,864,707
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	7,211,469
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	8,504,873
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	9,020,232
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	5,215,974
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	6,594,291
2010		116,166	895,231	1,203,035	1,818,188	2,065,585	2,245,502	2,456,858	2,674,347	2,724,766
2011			11,245	178,666	877,041	1,559,805	2,333,485	3,117,907	3,794,991	3,906,899
2012				16,611	97,446	898,196	1,645,365	2,061,021	2,323,849	2,422,340
2013					114,394	873,399	1,747,648	2,424,840	3,154,345	3,291,551
2014						116,952	652,037	1,765,040	2,940,791	3,352,776
2015							0	365,465	1,346,365	1,547,419
2016								10,326	390,803	508,937
2017									5,229	170,743
2018										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	209,163,518
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	211,888,283
2011 & Prior			117,283,692	130,244,359	152,786,466	171,059,337	184,726,793	198,574,778	212,604,607	215,795,183
2012 & Prior				130,260,969	152,883,912	171,957,533	186,372,157	200,635,799	214,928,456	218,217,522
2013 & Prior					152,998,305	172,830,932	188,119,805	203,060,639	218,082,801	221,509,073
2014 & Prior						172,947,884	188,771,842	204,825,679	221,023,592	224,861,849
2015 & Prior							188,771,842	205,191,144	222,369,957	226,409,268
2016 & Prior								205,201,470	222,760,760	226,918,205
2017 & Prior									222,765,989	227,088,947
2018 & Prior										227,088,947

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)	@ 3/31/18 (b)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
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	25,441,195
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	12,078,863
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	27,582,759
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	51,825,758
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	44,240,688
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	20,463,924
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	32,530,259
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	30,070,691
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	39,746,715
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	67,690,266
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	26,470,146
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	21,260,863
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	29,028,446
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	69,076,585
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	18,044,492
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	27,935,046
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	32,289,484
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	48,389,040
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	38,318,801
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	52,499,877
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	58,476,848
2010		367,288	11,709,849	23,432,658	28,572,781	27,241,537	27,631,375	26,491,003	28,170,398	28,170,594
2011			8,025,000	18,092,817	27,966,715	38,554,067	47,898,365	46,663,004	47,391,514	47,391,740
2012				12,090,000	20,346,124	28,272,096	31,340,190	24,080,908	28,663,775	28,664,285
2013					8,415,555	14,108,083	24,160,711	27,946,444	30,675,106	30,675,106
2014						6,459,800	22,999,374	37,678,801	39,204,196	39,180,693
2015							0	18,702,803	25,309,491	27,996,976
2016								2,984,445	3,189,395	3,219,781
2017									220,615	5,797,006
2018										0
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	773,460,748
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	801,631,342
2011 & Prior			741,548,879	842,740,094	847,007,687	838,408,213	852,613,563	855,416,424	849,014,638	849,023,082
2012 & Prior				854,830,094	867,353,811	866,680,309	883,953,753	879,497,332	877,678,413	877,687,368
2013 & Prior					875,769,366	880,788,392	908,114,464	907,443,776	908,353,519	908,362,473
2014 & Prior						887,248,192	931,113,838	945,122,577	947,557,715	947,543,166
2015 & Prior							931,113,838	963,825,379	972,867,205	975,540,142
2016 & Prior								966,809,825	976,056,601	978,759,923
2017 & Prior									976,277,215	984,556,929
2018 & Prior										984,556,929

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)	@ 3/31/18 (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	21,972,129
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	10,118,407
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	21,433,563
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	41,352,013
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	37,613,398
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	17,631,875
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	26,400,428
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	24,972,277
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	32,633,616
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	55,753,549
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	22,932,196
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	18,051,808
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	24,646,185
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	59,234,687
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	15,682,337
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	24,913,318
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	31,527,396
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	47,138,781
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	39,780,173
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	54,362,834
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	64,959,744
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	32,477,067
2011			72,891,940	71,306,452	65,671,795	65,087,844	67,347,302	60,514,485	58,807,873	57,554,536
2012				81,217,094	76,746,568	67,114,423	57,809,164	43,294,886	39,903,132	36,018,873
2013					76,400,906	62,357,107	60,846,197	54,240,114	51,458,790	47,473,036
2014						69,737,636	80,346,694	84,954,480	68,887,830	66,453,821
2015							61,923,125	75,914,747	63,520,691	59,350,028
2016								69,229,336	56,397,130	52,535,463
2017									69,648,129	74,798,099
2018 (3 Mo)										20,007,458
Totals:										
2009 & Prior	0	903,598,184	917,177,034	868,550,428	814,139,976	764,834,769	743,531,665	719,486,948	703,137,005	693,110,713
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	725,587,780
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	783,142,316
2012 & Prior				1,085,747,642	1,013,006,165	940,784,387	904,198,933	855,767,761	834,719,078	819,161,189
2013 & Prior					1,089,407,071	1,003,141,494	965,045,130	910,007,875	886,177,868	866,634,226
2014 & Prior						1,072,879,130	1,045,391,825	994,962,354	955,065,699	933,088,046
2015 & Prior							1,107,314,950	1,070,877,102	1,018,586,390	992,438,074
2016 & Prior								1,140,106,438	1,074,983,520	1,044,973,537
2017 & Prior									1,144,631,648	1,119,771,636
2018 & Prior										1,139,779,093

Note: (a) Based on historical estimates of ultimate loss and ALAE at birth year level before inflation and 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)	@ 3/31/18 (b)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
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	29,157,393
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	14,178,925
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	30,273,406
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	58,149,904
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	50,398,841
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	23,618,094
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	36,210,158
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	33,668,624
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	44,820,919
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	75,719,255
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	30,325,745
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	24,111,051
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	32,195,513
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	78,689,199
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	20,440,395
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	32,567,157
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	39,598,107
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	58,994,634
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	47,744,738
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	65,040,184
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	73,988,955
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	36,781,784
2011			72,891,940	77,584,464	72,600,196	71,996,315	74,559,791	68,192,855	66,336,890	65,097,699
2012				81,217,094	77,309,410	67,729,133	58,440,532	44,610,051	41,198,718	40,557,423
2013					76,400,906	62,478,164	61,072,531	55,495,022	52,757,475	48,938,876
2014						69,737,636	80,485,475	86,783,624	70,511,636	68,137,757
2015							61,923,125	77,433,227	64,925,458	60,754,710
2016								69,229,336	56,524,744	53,691,904
2017									69,648,129	74,950,838
2018 (3 Mo)										20,007,458
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	899,891,199
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	936,672,983
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	1,001,770,683
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	1,042,328,106
2013 & Prior					1,315,639,635	1,213,766,300	1,170,695,717	1,126,785,939	1,099,543,048	1,091,266,981
2014 & Prior						1,283,503,936	1,251,181,192	1,213,569,563	1,170,054,683	1,159,404,738
2015 & Prior							1,313,104,318	1,291,002,789	1,234,980,142	1,220,159,448
2016 & Prior								1,360,232,125	1,291,504,885	1,273,851,352
2017 & Prior									1,361,153,014	1,348,802,190
2018 & Prior										1,368,809,648

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)	@ 3/31/18 (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	25,909,219
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	12,766,028
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	25,057,791
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	48,098,345
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	42,940,930
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	19,061,491
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	29,950,211
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	28,128,540
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	36,323,702
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	61,164,079
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	26,278,710
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	19,555,072
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	25,986,772	26,025,252
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	62,521,502
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	17,105,810
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	25,281,175
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	30,199,402
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	45,657,310
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	38,057,073
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	46,768,363
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	55,153,484
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	26,264,839
2011			48,135,149	51,255,567	48,664,196	49,025,594	51,459,755	47,536,597	46,583,905	45,862,119
2012				53,164,473	51,304,216	45,663,550	40,043,978	30,959,093	28,754,324	28,375,744
2013					50,356,222	41,890,895	41,626,313	38,253,503	36,709,393	34,191,133
2014						46,089,913	54,048,934	58,832,041	48,382,677	46,948,709
2015							41,099,116	51,838,255	43,925,745	41,175,188
2016								45,882,758	37,786,424	35,952,308
2017									46,007,205	49,691,689
2018 (3 Mo)										13,106,083
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	722,003,488
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	748,268,327
2011 & Prior			838,369,821	885,376,439	872,678,502	828,879,835	816,134,960	805,600,984	795,573,985	794,130,446
2012 & Prior				938,540,911	923,982,718	874,543,385	856,178,937	836,560,077	824,328,310	822,506,190
2013 & Prior					974,338,940	916,434,280	897,805,250	874,813,580	861,037,702	856,697,322
2014 & Prior						962,524,193	951,854,184	933,645,621	909,420,380	903,646,031
2015 & Prior							992,953,300	985,483,876	953,346,124	944,821,220
2016 & Prior								1,031,366,635	991,132,549	980,773,528
2017 & Prior									1,037,139,753	1,030,465,217
2018 & Prior										1,043,571,300

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 @ 3/31/18	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 @ 3/31/18 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	11,548,484	8,637,809	10,627,964	13,296,795	20,186,293	22,176,448	24,845,279	21,972,129	1,785,836	(204,319)	(2,873,150)
1990	4,367,094	4,421,663	5,166,235	6,109,888	8,788,758	9,533,330	10,476,982	10,118,407	1,329,650	585,077	(358,575)
1991	6,154,113	15,657,130	19,950,217	26,025,918	21,811,243	26,104,330	32,180,032	21,433,563	(377,680)	(4,670,767)	(10,746,468)
1992	10,221,621	26,980,555	34,111,269	44,168,903	37,202,176	44,332,890	54,390,523	41,352,013	4,149,837	(2,980,878)	(13,038,511)
1993	15,397,621	20,218,505	24,886,709	31,308,498	35,616,126	40,284,330	46,706,119	37,613,398	1,997,272	(2,670,931)	(9,092,721)
1994	5,805,848	11,261,903	14,334,065	18,745,544	17,067,751	20,139,913	24,551,392	17,631,875	564,124	(2,508,039)	(6,919,517)
1995	7,472,689	18,805,426	23,562,301	30,306,743	26,278,115	31,034,990	37,779,431	26,400,428	122,313	(4,634,562)	(11,379,003)
1996	7,172,208	14,952,321	17,405,510	20,622,604	22,124,530	24,577,719	27,794,812	24,972,277	2,847,747	394,558	(2,822,535)
1997	8,685,525	22,446,854	27,973,407	35,833,449	31,132,379	36,658,932	44,518,974	32,633,616	1,501,236	(4,025,316)	(11,885,358)
1998	14,899,946	40,272,926	49,040,788	61,249,582	55,172,872	63,940,734	76,149,528	55,753,549	580,677	(8,187,186)	(20,395,980)
1999	9,426,030	10,197,678	11,896,023	14,160,217	19,623,709	21,322,053	23,586,247	22,932,196	3,308,488	1,610,143	(654,051)
2000	4,633,694	10,179,355	11,497,934	13,199,083	14,813,049	16,131,628	17,832,778	18,051,808	3,238,758	1,920,179	219,030
2001	6,284,824	17,951,656	21,535,806	26,503,169	24,236,480	27,820,630	32,787,993	24,646,185	409,705	(3,174,446)	(8,141,808)
2002	12,192,914	42,645,154	50,034,063	60,063,777	54,838,068	62,226,976	72,256,691	59,234,687	4,396,619	(2,992,289)	(13,022,004)
2003	3,740,197	10,048,623	11,264,196	12,837,089	13,788,820	15,004,394	16,577,286	15,682,337	1,893,517	677,944	(894,949)
2004	4,178,072	18,941,182	22,744,116	28,074,150	23,119,254	26,922,188	32,252,222	24,913,318	1,794,065	(2,008,869)	(7,338,903)
2005	6,088,140	19,978,518	22,989,984	27,031,277	26,066,658	29,078,124	33,119,417	31,527,396	5,460,738	2,449,272	(1,592,021)
2006	7,136,384	33,540,324	39,424,161	47,531,408	40,676,708	46,560,545	54,667,792	47,138,781	6,462,073	578,237	(7,529,011)
2007	7,609,010	25,605,781	28,217,563	31,572,185	33,214,792	35,826,573	39,181,195	39,780,173	6,565,381	3,953,599	598,978
2008	4,412,993	40,757,768	48,776,302	60,104,045	45,170,761	53,189,295	64,517,038	54,362,834	9,192,073	1,173,539	(10,154,204)
2009	6,127,690	46,294,817	54,265,854	65,306,201	52,422,507	60,393,543	71,433,891	64,959,744	12,537,237	4,566,200	(6,474,147)
2010	2,647,576	28,276,339	35,630,078	46,658,078	30,923,915	38,277,655	49,305,655	32,477,067	1,553,151	(5,800,588)	(16,828,588)
2011	3,787,023	38,660,754	44,954,146	53,637,080	42,447,777	48,741,169	57,424,104	57,554,536	15,106,759	8,813,367	130,432
2012	2,368,355	30,160,307	35,597,742	43,241,130	32,528,662	37,966,097	45,609,485	36,018,873	3,490,212	(1,947,224)	(9,590,612)
2013	3,234,278	31,071,171	34,275,261	38,463,687	34,305,450	37,509,539	41,697,965	47,473,036	13,167,587	9,963,497	5,775,072
2014	3,297,835	45,806,937	50,047,140	55,536,373	49,104,772	53,344,975	58,834,208	66,453,821	17,349,049	13,108,845	7,619,612
2015	1,524,447	46,379,055	51,743,986	58,882,659	47,903,502	53,268,432	60,407,106	59,350,028	11,446,526	6,081,596	(1,057,077)
2016	504,543	42,069,171	46,922,035	53,387,370	42,573,714	47,426,577	53,891,912	52,535,463	9,961,749	5,108,885	(1,356,450)
2017	169,893	51,594,779	59,284,032	69,885,198	51,764,672	59,453,925	70,055,092	74,798,099	23,033,426	15,344,173	4,743,007
2018 (3 Mo)	0	15,493,608	17,729,029	20,792,690	15,493,608	17,729,029	20,792,690	20,007,458	4,513,849	2,278,429	(785,232)
Totals:	181,089,049	789,308,070	925,887,916	1,114,534,789	970,397,119	1,106,976,965	1,295,623,838	1,139,779,093	169,381,974	32,802,128	(155,844,744)
Excl. 2018	181,089,049	773,814,462	908,158,888	1,093,742,099	954,903,511	1,089,247,937	1,274,831,148	1,119,771,636	164,868,125	30,523,699	(155,059,512)

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 - 2018 Level - Before Inflation and Investment Income (a)**  
**Actual and Estimated Incremental Payments - 2018 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	2,086,973	1,188,825	1,464,160	648,794	504,105	596,660	822,201	459,829	487,557	1,761,534	312,486	558,701	423,157	483,899	522,775	454,498
1990	0	554,254	827,161	80,961	432,710	270,111	208,563	115,688	151,991	95,990	95,069	135,148	185,349	319,320	352,264	383,971	350,929	153,930
1991	3,082	316,797	54,718	568,926	435,370	184,307	125,194	64,653	49,840	144,649	130,028	179,779	155,459	148,684	178,010	175,327	363,731	620,413
1992	16,817	342,711	940,347	1,338,115	615,863	458,702	363,150	336,162	252,116	299,713	341,236	466,779	425,242	404,874	384,590	442,989	493,997	529,405
1993	2,502	314,060	1,020,531	897,000	1,207,766	1,011,735	1,094,343	1,036,967	1,060,242	1,096,230	957,130	854,936	1,087,764	1,037,494	785,989	775,690	709,803	833,537
1994	277,642	770,212	677,195	673,368	358,780	1,024,617	391,861	435,186	250,276	73,936	298,237	651,341	82,564	93,016	189,800	158,328	182,058	148,295
1995	3,539	179,315	855,213	564,787	103,497	135,589	193,453	119,816	258,115	288,031	890,689	331,842	449,187	502,947	132,022	1,416,657	338,541	371,896
1996	5,989	873,005	304,543	732,281	378,250	902,621	586,008	354,129	404,654	422,493	347,676	416,646	362,456	404,311	474,820	478,185	331,915	398,680
1997	17,104	775,325	512,944	387,273	557,208	893,188	518,536	399,512	415,107	285,497	495,468	658,381	740,069	643,739	656,284	1,019,567	619,237	544,581
1998	45,680	985,029	1,050,080	1,021,980	655,187	552,136	1,681,151	748,429	910,835	686,715	944,150	968,948	1,098,267	1,096,114	1,059,984	1,412,940	1,294,019	1,286,514
1999	697,733	617,240	411,574	750,982	783,771	595,992	489,072	804,472	1,140,100	770,910	669,512	829,137	760,491	557,577	675,147	670,396	504,678	490,496
2000	433,047	659,221	693,697	611,287	360,611	254,377	172,301	213,231	190,732	168,995	328,951	257,111	247,458	330,908	321,745	274,033	313,256	308,596
2001	154,501	496,398	829,150	568,384	511,802	1,071,384	572,640	347,645	264,393	324,950	341,956	381,492	485,759	462,300	545,313	450,666	436,592	485,576
2002	158,104	714,408	910,018	873,019	1,044,635	775,487	1,608,927	1,038,617	1,048,746	918,384	1,113,715	1,291,151	1,085,500	1,149,259	1,088,980	1,005,155	1,250,068	1,257,507
2003	275,852	343,601	130,762	139,645	387,058	648,950	195,259	187,081	296,718	292,378	266,806	418,746	455,200	386,922	373,451	407,925	376,803	376,206
2004	4,782	450,576	767,535	572,329	340,142	512,105	423,908	400,192	204,345	343,560	348,776	327,540	296,905	309,552	421,632	481,026	449,138	453,394
2005	30	29,032	935,063	938,315	624,217	1,261,643	778,728	636,053	508,280	476,475	462,029	457,112	511,579	538,173	523,815	594,746	552,606	555,054
2006	2,336	347,103	432,751	1,033,341	788,341	1,896,152	855,640	728,394	624,876	628,685	726,162	751,725	772,766	760,574	742,557	845,752	788,347	794,436
2007	138,685	539,494	926,806	1,134,411	888,808	1,091,743	952,953	898,795	942,387	908,469	877,246	835,763	824,419	803,417	776,517	875,378	807,422	804,948
2008	6,259	414,124	663,617	700,203	390,567	394,943	598,947	657,555	722,170	782,242	735,863	761,234	759,948	749,652	733,580	837,493	782,524	790,508
2009	357,567	427,805	1,087,625	970,341	552,314	571,870	804,562	1,381,508	578,619	834,027	870,277	898,755	895,694	882,016	861,572	981,830	915,688	923,275
2010	125,493	976,307	188,486	655,611	240,219	165,157	252,880	185,703	313,148	347,528	364,521	378,437	379,168	375,409	368,738	422,580	396,389	402,035
2011	18,477	207,954	1,033,690	524,304	811,882	702,207	658,941	742,505	620,091	684,403	713,889	736,976	734,191	722,703	705,677	803,857	749,400	755,297
2012	23,062	248,010	765,806	721,101	417,538	276,240	526,896	515,485	431,189	476,683	498,039	515,004	513,927	506,756	495,684	565,658	528,301	533,453
2013	136,727	800,507	1,055,638	708,311	622,920	843,198	722,713	701,457	582,037	638,208	661,297	678,103	670,942	655,879	635,922	719,196	665,552	665,752
2014	169,650	816,327	984,309	1,400,137	856,664	1,289,079	1,103,229	1,069,158	885,776	969,748	1,003,246	1,027,096	1,014,601	990,187	958,446	1,082,098	999,632	998,140
2015	617	526,008	1,023,419	985,620	716,504	1,082,362	929,946	904,805	752,628	827,339	859,457	883,577	876,539	859,143	835,260	947,252	879,079	881,889
2016	367,903	142,864	560,194	874,343	635,789	960,579	825,441	803,251	668,261	734,715	763,362	784,915	778,795	763,468	742,374	842,061	781,601	784,245
2017	170,743	322,887	547,088	861,606	630,696	956,350	824,822	805,630	672,763	742,488	774,423	799,412	796,334	783,817	765,296	871,705	812,590	818,919
2018	19,666	82,098	164,378	260,485	192,189	291,400	251,293	245,413	204,911	226,117	235,809	243,382	242,405	238,549	232,860	265,172	247,125	248,985

Notes: (a) For the actual incremental payments at 2018 level, see Appendix E, Exhibit IV, Sheets 3a and 3b. For the estimates of average incremental payments at 2018 level, see Appendix E, Exhibit III, Sheets 1a to 1g, then adjusted to 2018 level (factors from Appendix E, Exhibit II, Sheet 3, Column (5)).

**Average Incremental Payments Per Open Accepted Claim - 2018 Cost Level (a)**  
**Actual and Estimated Incremental Payments - 2018 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			260,872	148,603	162,684	81,099	63,013	74,582	102,775	57,479	69,651	293,589	52,081	111,740	84,631	96,780	104,555	90,900
1990		184,751	118,166	11,566	61,816	38,587	29,795	16,527	21,713	13,713	13,581	19,307	26,478	45,617	50,323	63,995	70,186	38,483
1991	3,082	316,797	18,239	142,232	108,842	46,077	31,298	16,163	12,460	36,162	32,507	44,945	38,865	37,171	44,503	43,832	90,933	155,103
1992	8,408	85,678	78,362	102,932	47,374	38,225	30,263	28,014	22,920	27,247	31,021	42,434	38,658	36,807	38,459	44,299	49,400	58,823
1993	1,251	62,812	92,776	74,750	109,797	91,976	99,486	94,270	96,386	99,657	87,012	77,721	98,888	103,749	87,332	96,961	88,725	104,192
1994	138,821	385,106	135,439	112,228	59,797	146,374	55,980	87,037	62,569	18,484	74,559	162,835	20,641	23,254	47,450	39,582	45,515	37,074
1995		59,772	142,535	94,131	17,249	22,598	38,691	23,963	51,623	57,606	178,138	66,368	89,837	100,589	26,404	283,331	67,708	74,379
1996	2,994	291,002	76,136	146,456	63,042	150,437	97,668	59,021	67,442	70,415	57,946	69,441	60,409	67,385	79,137	79,698	55,319	66,447
1997	17,104	110,761	64,118	55,325	69,651	99,243	57,615	44,390	46,123	31,722	55,052	73,153	82,230	71,527	72,920	113,285	77,405	68,073
1998	11,420	140,718	116,676	85,165	59,562	46,011	140,096	62,369	75,903	57,226	78,679	80,746	91,522	91,343	88,332	117,745	107,835	107,210
1999	232,578	205,747	137,191	107,283	97,971	74,499	61,134	114,925	162,871	110,130	95,645	118,448	126,748	92,930	135,029	167,599	126,170	122,624
2000	216,524	164,805	138,739	122,257	72,122	50,875	34,460	42,646	38,146	33,799	65,790	51,422	49,492	66,182	64,349	54,807	62,651	61,719
2001		496,398	414,575	284,192	127,950	267,846	143,160	86,911	66,098	81,237	85,489	95,373	121,440	115,575	136,328	112,666	109,148	121,394
2002	79,052	142,882	82,729	67,155	80,357	51,699	107,262	69,241	69,916	61,226	74,248	92,225	77,536	82,090	83,768	77,320	96,159	98,046
2003			65,381	46,548	129,019	216,317	65,086	62,360	98,906	97,459	88,935	139,582	151,733	128,974	124,484	135,975	128,209	130,725
2004	4,782	150,192	255,845	143,082	68,028	102,421	84,782	80,038	40,869	68,712	69,755	65,508	59,381	61,910	84,326	97,130	91,583	93,381
2005	30	5,806	133,580	93,832	62,422	126,164	77,873	70,673	63,535	68,068	66,004	65,302	73,083	76,882	75,891	87,414	82,422	84,040
2006	2,336	115,701	72,125	114,816	78,834	189,615	85,564	72,839	62,488	62,869	72,616	83,525	85,863	85,427	84,326	97,130	91,583	93,381
2007		179,831	132,401	162,059	111,101	136,468	119,119	112,349	117,798	113,559	125,321	119,395	120,201	119,591	118,050	135,975	128,209	130,725
2008	6,259	82,825	82,952	77,800	43,396	39,494	59,895	65,755	72,217	86,916	81,763	85,287	85,863	85,427	84,326	97,130	91,583	93,381
2009	357,567	71,301	135,953	107,816	55,231	57,187	80,456	138,151	57,862	83,403	87,891	91,679	92,298	91,830	90,647	104,410	98,447	100,379
2010	125,493	325,436	31,414	109,268	40,036	27,526	50,576	37,141	62,630	69,827	73,584	76,756	77,274	76,882	75,891	87,414	82,422	84,040
2011	9,239	34,659	114,854	47,664	81,188	70,221	65,894	74,250	62,630	69,827	73,584	76,756	77,274	76,882	75,891	87,414	82,422	84,040
2012	11,531	82,670	109,401	103,014	59,648	39,463	75,271	74,250	62,630	69,827	73,584	76,756	77,274	76,882	75,891	87,414	82,422	84,040
2013	68,364	160,101	175,940	101,187	77,865	96,031	83,637	82,503	69,591	77,588	81,763	85,287	85,863	85,427	84,326	97,130	91,583	93,381
2014	56,550	102,041	82,026	116,678	68,992	96,031	83,637	82,503	69,591	77,588	81,763	85,287	85,863	85,427	84,326	97,130	91,583	93,381
2015	617	175,336	102,342	101,868	68,992	96,031	83,637	82,503	69,591	77,588	81,763	85,287	85,863	85,427	84,326	97,130	91,583	93,381
2016		71,432	104,217	101,868	68,992	96,031	83,637	82,503	69,591	77,588	81,763	85,287	85,863	85,427	84,326	97,130	91,583	93,381
2017	85,371	116,904	104,217	101,868	68,992	96,031	83,637	82,503	69,591	77,588	81,763	85,287	85,863	85,427	84,326	97,130	91,583	93,381
2018	92,565	116,904	104,217	101,868	68,992	96,031	83,637	82,503	69,591	77,588	81,763	85,287	85,863	85,427	84,326	97,130	91,583	93,381

Notes: (a) For the actual average incremental payments per open accepted claim at 2018 level, see Appendix E, Exhibit IV, Sheets 1a and 1b. For the estimates of average incremental payments per open accepted claim at 2018 level, see Appendix E, Exhibit III, Sheets 2a to 2g, then adjusted to 2018 level (factors from Appendix E, Exhibit II, Sheet 3, Column (5)).



Summary of 2018 Level Incremental Payments by Maturity

Maturity (Months)	2018 Level (a) Average Incremental Payments per Open Accepted Claim Based on Annual Increase Utilization Rate of			Maturity (Months)	2018 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%
	(2)	(3)	(4)		(6)	(7)	(8)
3:15	91,766	91,766	91,766	735:747	145,812	201,834	278,495
15:27	115,895	115,895	115,895	747:759	147,271	205,871	286,850
27:39	103,318	103,318	103,318	759:771	148,743	209,988	295,456
39:51	100,989	100,989	100,989	771:783	150,231	214,188	304,319
51:63	68,397	68,397	68,397	783:795	151,733	218,472	313,449
63:75	95,203	95,203	95,203	795:807	153,250	222,841	322,852
75:87	82,916	82,916	82,916	807:819	154,783	227,298	332,538
87:99	81,792	81,792	81,792	819:831	156,331	231,844	342,514
99:111	68,991	68,991	68,991	831:843	157,894	236,481	352,789
111:123	76,918	76,918	76,918	843:855	159,473	241,211	363,373
123:135	81,057	81,057	81,057	855:867	161,068	246,035	374,274
135:147	84,551	84,551	84,551	867:879	162,678	250,956	385,502
147:159	85,122	85,122	85,122	879:891	164,305	255,975	397,068
159:171	84,690	84,690	84,690	891:903	165,948	261,094	408,980
171:183	83,599	83,599	83,599	903:915	167,608	266,316	421,249
183:195	96,293	96,293	96,293	915:927	169,284	271,642	433,886
195:207	90,793	90,793	90,793	927:939	170,977	277,075	446,903
207:219	92,575	92,575	92,575	939:951	172,686	282,617	460,310
219:231	94,463	94,463	94,463	951:963	174,413	288,269	474,119
231:243	95,646	95,646	95,646	963:975	176,157	294,034	488,343
243:255	97,848	97,848	97,848	975:987	177,919	299,915	502,993
255:267	102,229	102,229	102,229	987:999	179,698	305,913	518,083
267:279	101,271	101,271	101,271	999:1011	181,495	312,032	533,626
279:291	103,149	103,149	103,149	1011:1023	183,310	318,272	549,634
291:303	105,000	105,000	105,000	1023:1035	185,143	324,638	566,123
303:315	105,000	105,000	105,000	1035:1047	186,995	331,131	583,107
315:327	105,000	105,000	105,000	1047:1059	188,865	337,753	600,600
327:339	105,000	105,000	105,000	1059:1071	190,753	344,508	618,618
339:351	105,000	105,000	105,000	1071:1083	192,661	351,398	637,177
351:363	106,050	107,100	108,150	1083:1095	194,587	358,426	656,292
363:375	107,111	109,242	111,395	1095:1107	196,533	365,595	675,981
375:387	108,182	111,427	114,736	1107:1119	198,498	372,907	696,260
387:399	109,263	113,655	118,178	1119:1131	200,483	380,365	717,148
399:411	110,356	115,928	121,724	1131:1143	202,488	387,972	738,663
411:423	111,460	118,247	125,375	1143:1155	204,513	395,732	760,823
423:435	112,574	120,612	129,137	1155:1167	206,558	403,646	783,647
435:447	113,700	123,024	133,011	1167:1179	208,624	411,719	807,157
447:459	114,837	125,485	137,001	1179:1191	210,710	419,954	831,371
459:471	115,985	127,994	141,111	1191:1203	212,817	428,353	856,312
471:483	117,145	130,554	145,345	1203:1215	214,945	436,920	882,002
483:495	118,317	133,165	149,705	1215:1227	217,095	445,658	908,462
495:507	119,500	135,829	154,196	1227:1239	219,266	454,571	935,716
507:519	120,695	138,545	158,822	1239:1251	221,458	463,663	963,787
519:531	121,902	141,316	163,587	1251:1263	223,673	472,936	992,701
531:543	123,121	144,142	168,494	1263:1275	225,910	482,395	1,022,482
543:555	124,352	147,025	173,549	1275:1287	228,169	492,043	1,053,156
555:567	125,595	149,966	178,755	1287:1299	230,451	501,883	1,084,751
567:579	126,851	152,965	184,118	1299:1311	232,755	511,921	1,117,294
579:591	128,120	156,024	189,642	1311:1323	235,083	522,160	1,150,812
591:603	129,401	159,145	195,331	1323:1335	237,433	532,603	1,185,337
603:615	130,695	162,328	201,191	1335:1347	239,808	543,255	1,220,897
615:627	132,002	165,574	207,227	1347:1359	242,206	554,120	1,257,524
627:639	133,322	168,886	213,443	1359:1371	244,628	565,202	1,295,249
639:651	134,655	172,264	219,847	1371:1383	247,074	576,506	1,334,107
651:663	136,002	175,709	226,442	1383:1395	249,545	588,036	1,374,130
663:675	137,362	179,223	233,235	1395:1407	252,040	599,797	1,415,354
675:687	138,736	182,808	240,232	1407:1419	254,561	611,793	1,457,815
687:699	140,123	186,464	247,439	1419:1431	257,106	624,029	1,501,549
699:711	141,524	190,193	254,863	1431:1443	259,677	636,510	1,546,596
711:723	142,939	193,997	262,508	1443:1455	262,274	649,240	1,592,993
723:735	144,369	197,877	270,384	1455:1467	264,897	662,225	1,640,783

Note: (a) For average incremental payments from 3:15 to 339:351, see Appendix E, Exhibit IV, Sheets 1a and 1b.  
 For average incremental payments from 351:363 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

**0.99140**

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	0.688	0.956	0.900	0.908
1990	0.543	0.924	0.850	0.857
1991	1.145	1.205	1.175	1.185
1992	0.824	1.057	0.900	0.908
1993	0.605	0.871	0.850	0.857
1994	0.722	0.759	0.750	0.757
1995	1.178	1.068	1.050	1.059
1996	0.894	1.181	1.050	1.059
1997	0.673	0.789	0.750	0.757
1998	1.086	1.066	1.075	1.084
1999	1.062	1.437	1.250	1.261
2000	0.665	1.067	0.900	0.908
2001	1.333	1.295	1.300	1.311
2002	0.931	1.071	1.050	1.059
2003	1.409	1.480	1.400	1.412
2004	0.728	1.007	1.000	1.009
2005	0.643	0.938	0.900	0.908
2006	1.128	1.011	1.000	1.009
2007	1.698	1.336	1.400	1.412
2008	0.665	1.046	1.000	1.009
2009	1.047	1.107	1.075	1.084
2010	0.673	0.794	0.900	0.908
2011	0.842	0.919	0.900	0.908
2012	0.658	0.720	0.900	0.908
2013	1.388	0.966	1.000	1.009
2014	1.376	0.907	1.000	1.009
2015	1.400	0.768	1.000	1.009
2016	-	-	1.000	1.009
2017	-	-	1.000	1.009
2018	-	-	1.000	1.009

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) @ 3/31/18			Average Life Expectancy	
	Annual Inflation Factors	2018 Level Adjustment Factors	Annual Inflation Factors	2018 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%	1.524	0.81%	1.422	4	-	4	20.88	26.10
1990	1.68%	1.497	0.74%	1.410	3	-	3	15.59	19.49
1991	1.48%	1.473	0.52%	1.400	4	-	4	27.89	34.86
1992	1.50%	1.451	0.46%	1.393	9	-	9	27.97	34.96
1993	1.54%	1.430	0.41%	1.386	8	-	8	25.43	31.79
1994	1.22%	1.408	0.38%	1.381	4	-	4	31.18	38.98
1995	1.02%	1.391	0.35%	1.376	5	-	5	30.08	37.60
1996	1.04%	1.377	0.34%	1.371	6	-	6	21.10	26.38
1997	0.91%	1.363	0.25%	1.366	8	-	8	31.47	39.34
1998	0.93%	1.350	0.28%	1.363	11	-	11	29.21	36.51
1999	0.97%	1.338	0.36%	1.359	3	-	3	24.17	30.21
2000	0.99%	1.325	0.39%	1.354	5	-	5	20.65	25.81
2001	1.09%	1.312	0.32%	1.349	4	-	4	29.98	37.48
2002	1.16%	1.298	0.35%	1.345	13	-	13	27.68	34.60
2003	1.09%	1.283	0.29%	1.340	3	-	3	22.03	27.54
2004	1.41%	1.269	4.94%	1.336	5	-	5	32.94	41.18
2005	1.30%	1.251	0.87%	1.273	7	-	7	27.44	34.30
2006	1.07%	1.235	4.86%	1.262	9	-	9	31.50	39.38
2007	1.18%	1.222	0.50%	1.204	7	-	7	22.52	28.15
2008	9.95%	1.208	4.55%	1.198	9	-	9	36.06	45.08
2009	4.26%	1.099	0.33%	1.146	10	-	10	33.65	42.06
2010	0.84%	1.054	0.32%	1.142	5	-	5	45.99	57.49
2011	0.94%	1.045	0.42%	1.138	10	-	10	34.01	42.51
2012	0.73%	1.035	9.83%	1.133	7	-	7	37.31	46.64
2013	0.56%	1.028	0.59%	1.032	8	1	9	27.00	33.75
2014	0.51%	1.022	0.19%	1.026	12	2	14	26.00	32.50
2015	0.44%	1.017	0.17%	1.024	9	3	12	30.00	37.50
2016	0.73%	1.012	2.01%	1.022	2	9	11	30.00	37.50
2017	0.50%	1.005	0.20%	1.002	2	11	13	30.00	37.50
2018		1.000		1.000	-	4	4	30.00	37.50
Totals:					192	30	222		

Notes: (a) Current reported open accepted claims alive as of March 31, 2018. See Exhibit X, Sheet 1d, Column (4).  
 (b) Estimated unreported accepted claims alive as of March 31, 2018. 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																		359,973
2002																	929,693	935,226
2003																304,453	281,225	280,780
2004															315,591	360,047	336,179	339,365
2005														422,727	411,449	467,165	434,064	435,987
2006													612,253	602,593	588,318	670,079	624,597	629,422
2007												694,327	684,903	667,455	645,107	727,238	670,782	668,727
2008										614,404	635,587	634,514	625,917	612,498	699,259	653,364	660,030	
2009								728,062	759,706	784,566	781,895	769,954	752,108	857,087	799,348	805,972		
2010								274,277	304,389	319,273	331,461	332,102	328,809	322,966	370,125	347,185	352,130	
2011							652,429	544,865	601,376	627,284	647,571	645,123	635,029	620,069	706,339	658,488	663,669	
2012						464,935	454,865	380,482	420,627	439,471	454,442	453,491	447,163	437,394	499,138	466,175	470,721	
2013						817,179	700,412	679,812	564,077	618,514	640,891	657,178	650,239	635,640	616,299	697,003	645,015	645,209
2014					835,123	1,256,665	1,075,488	1,042,275	863,504	945,365	978,020	1,001,270	989,089	965,290	934,347	1,054,889	974,497	973,043
2015				962,619	699,783	1,057,103	908,244	883,689	735,064	808,031	839,400	862,957	856,084	839,093	815,768	925,146	858,564	861,309
2016			548,060	855,403	622,016	939,771	807,560	785,851	653,785	718,800	746,826	767,913	761,924	746,930	726,293	823,820	764,670	767,257
2017		322,231	545,977	859,856	629,414	954,407	823,146	803,994	671,397	740,980	772,850	797,788	794,716	782,225	763,741	869,935	810,939	817,256
2018	19,666	82,098	164,378	260,485	192,189	291,400	251,293	245,413	204,911	226,117	235,809	243,382	242,405	238,549	232,860	265,172	247,125	248,985

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													273,528	273,640	273,636	273,510	273,259	272,880	272,368
1990											191,493	189,164	186,737	184,209	181,578	178,845	176,012	173,080	
1991										355,549	351,573	354,516	357,398	360,213	362,952	365,612	368,186	370,670	
1992									615,912	608,933	601,904	606,718	611,419	615,994	620,433	624,726	628,864	632,839	
1993								519,451	512,147	504,814	497,453	499,859	502,120	504,222	506,157	507,916	509,491	510,876	
1994							230,099	227,974	225,831	223,669	221,488	223,672	225,830	227,959	230,055	232,114	234,134	236,111	
1995						397,080	400,073	395,908	391,712	387,485	383,226	386,511	389,732	392,881	395,953	398,940	401,838	404,641	
1996				469,464	468,274	466,631	456,619	446,645	436,712	426,820	425,303	423,584	421,651	419,498	417,120	414,514	411,676		
1997			452,852	444,316	448,140	451,652	447,085	442,483	437,846	433,172	437,027	440,816	444,529	448,160	451,703	455,149	458,494		
1998			856,330	884,415	865,900	871,463	876,354	865,545	854,676	843,750	832,763	838,142	843,321	848,279	853,002	857,475	861,686	865,622	
1999		266,192	267,733	274,923	267,590	267,701	267,566	262,629	257,695	252,767	247,843	247,780	247,612	247,334	246,940	246,428	245,794	245,035	
2000	316,633	313,448	313,372	319,823	309,357	307,524	305,384	297,778	290,227	282,735	275,301	273,280	271,119	268,811	266,353	263,743	260,982	258,069	
2001	363,161	363,465	367,457	379,312	371,174	373,357	375,246	370,410	365,550	360,668	355,761	357,843	359,832	361,720	363,499	365,165	366,711	368,132	
2002	941,210	939,655	947,567	975,609	952,167	955,199	957,411	942,444	927,445	912,418	897,361	899,908	902,142	904,040	905,584	906,760	907,554	907,955	
2003	280,412	277,759	277,864	283,762	274,652	273,203	271,483	264,900	258,362	251,870	245,423	243,799	242,052	240,174	238,164	236,019	233,739	231,324	
2004	342,760	343,445	347,630	359,278	352,002	354,516	356,765	352,625	348,460	344,269	340,052	342,521	344,918	347,234	349,464	351,602	353,643	355,581	
2005	438,099	436,685	439,653	451,922	440,326	440,976	441,231	433,566	425,899	418,231	410,562	410,944	411,164	411,211	411,077	410,756	410,242	409,531	
2006	634,591	634,709	641,255	661,495	646,858	650,206	653,029	644,144	635,223	626,265	617,270	620,396	623,346	626,104	628,658	630,999	633,116	635,001	
2007	666,839	659,507	658,714	671,615	648,987	644,485	639,337	622,755	606,312	590,013	573,858	568,996	563,839	558,375	552,596	546,502	540,092	533,367	
2008	667,124	668,961	677,631	700,883	687,237	692,706	697,676	690,160	682,591	674,970	667,294	672,748	678,082	683,281	688,334	693,229	697,958	702,510	
2009	813,055	813,679	822,559	849,035	830,760	835,584	839,749	828,863	817,925	806,936	795,893	800,485	804,867	809,020	812,929	816,581	819,963	823,064	
2010	357,371	359,852	366,068	380,272	374,515	379,195	383,667	381,307	378,918	376,502	374,056	379,010	383,977	388,952	393,931	398,909	403,885	408,853	
2011	669,218	669,442	676,450	697,909	682,574	686,217	689,310	680,045	670,740	661,396	652,012	655,432	658,669	661,708	664,535	667,140	669,514	671,645	
2012	475,564	476,651	482,599	498,918	488,963	492,608	495,888	490,291	484,657	478,987	473,280	476,881	480,387	483,788	487,074	490,238	493,274	496,173	
2013	645,608	640,760	642,290	657,269	637,495	635,481	632,848	618,868	604,950	591,098	577,313	574,859	572,126	569,100	565,771	562,134	558,185	553,921	
2014	971,860	962,757	963,214	983,761	952,273	947,348	941,482	918,755	896,176	873,754	851,487	845,952	839,988	833,574	826,700	819,359	811,549	803,269	
2015	864,394	860,498	865,215	888,175	864,211	864,291	863,572	847,354	831,154	814,975	798,818	798,325	797,492	796,296	794,723	792,762	790,404	787,640	
2016	770,151	766,829	771,184	791,808	770,603	770,835	770,358	756,054	741,763	727,488	713,229	712,956	712,381	711,487	710,258	708,687	706,763	704,480	
2017	824,023	824,232	832,790	859,135	840,185	844,596	848,326	836,847	825,320	813,745	802,122	806,249	810,150	813,804	817,195	820,311	823,139	825,666	
2018	250,983	250,987	253,535	261,494	255,664	256,944	258,016	254,461	250,893	247,309	243,708	244,887	245,991	247,016	247,958	248,813	249,577	250,246	

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	271,720	270,930	269,991	268,900	267,652	266,241	264,662	262,904	260,959	258,820	256,475	253,918	251,138	248,124	244,867	241,356	237,584	233,542
1990	170,051	166,924	163,700	160,379	156,964	153,457	149,857	146,164	142,378	138,497	134,524	130,458	126,301	122,055	117,721	113,302	108,803	104,231
1991	373,058	375,342	377,513	379,565	381,490	383,280	384,923	386,409	387,724	388,854	389,786	390,504	390,993	391,233	391,205	390,891	390,271	389,326
1992	636,639	640,252	643,663	646,859	649,828	652,556	655,025	657,212	659,097	660,656	661,865	662,697	663,125	663,118	662,643	661,667	660,158	658,082
1993	512,062	513,036	513,786	514,303	514,577	514,596	514,345	513,807	512,962	511,794	510,281	508,404	506,142	503,470	500,363	496,797	492,748	488,196
1994	238,042	239,922	241,747	243,511	245,212	246,843	248,398	249,870	251,252	252,534	253,709	254,766	255,696	256,488	257,129	257,608	257,911	258,027
1995	407,341	409,932	412,403	414,747	416,957	419,022	420,932	422,673	424,231	425,593	426,741	427,660	428,332	428,737	428,855	428,664	428,142	427,270
1996	408,604	405,290	401,725	397,907	393,833	389,497	384,892	380,006	374,830	369,356	363,572	357,472	351,044	344,280	337,170	329,706	321,884	313,702
1997	461,730	464,848	467,837	470,689	473,395	475,945	478,326	480,523	482,520	484,301	485,849	487,145	488,169	488,898	489,310	489,380	489,083	488,397
1998	869,268	872,606	875,614	878,275	880,573	882,487	883,992	885,057	885,653	885,748	885,306	884,294	882,672	880,401	877,433	873,728	869,240	863,930
1999	244,149	243,129	241,971	240,671	239,226	237,631	235,880	233,965	231,880	229,617	227,168	224,526	221,683	218,630	215,359	211,862	208,133	204,166
2000	255,004	251,782	248,402	244,863	241,165	237,307	233,287	229,099	224,740	220,207	215,496	210,606	205,533	200,275	194,829	189,196	183,377	177,377
2001	369,423	370,574	371,576	372,423	373,107	373,620	373,950	374,086	374,013	373,720	373,190	372,409	371,362	370,030	368,396	366,440	364,144	361,494
2002	907,947	907,510	906,621	905,265	903,425	901,083	898,212	894,781	890,759	886,115	880,817	874,830	868,119	860,644	852,365	843,245	833,246	822,339
2003	228,772	226,080	223,246	220,268	217,146	213,881	210,467	206,901	203,179	199,297	195,253	191,043	186,665	182,116	177,392	172,493	167,420	162,177
2004	357,412	359,127	360,716	362,175	363,496	364,670	365,687	366,535	367,201	367,673	367,936	367,976	367,777	367,322	366,593	365,571	364,237	362,576
2005	408,617	407,489	406,140	404,562	402,749	400,693	398,383	395,806	392,949	389,799	386,342	382,565	378,453	373,991	369,162	363,952	358,347	352,338
2006	636,644	638,028	639,139	639,964	640,492	640,708	640,593	640,125	639,281	638,038	636,372	634,258	631,669	628,573	624,941	620,742	615,946	610,526
2007	526,329	518,970	511,285	503,276	494,945	486,292	477,310	467,992	458,333	448,327	437,969	427,257	416,186	404,755	392,959	380,803	368,291	355,438
2008	706,874	711,035	714,976	718,684	722,146	725,346	728,263	730,874	733,155	735,080	736,621	737,751	738,438	738,648	738,344	737,491	736,050	733,987
2009	825,869	828,360	830,517	832,323	833,763	834,819	835,464	835,671	835,411	834,653	833,365	831,514	829,065	825,977	822,210	817,723	812,475	806,431
2010	413,810	418,751	423,668	428,556	433,411	438,225	442,990	447,696	452,334	456,892	461,357	465,718	469,960	474,067	478,022	481,806	485,400	488,786
2011	673,524	675,134	676,459	677,486	678,202	678,593	678,636	678,311	677,592	676,455	674,874	672,823	670,272	667,190	663,543	659,299	654,427	648,897
2012	498,929	501,529	503,962	506,220	508,291	510,166	511,828	513,262	514,449	515,373	516,013	516,349	516,360	516,020	515,305	514,189	512,645	510,650
2013	549,337	544,424	539,172	533,577	527,636	521,343	514,688	507,656	500,237	492,419	484,189	475,537	466,453	456,923	446,937	436,486	425,565	414,177
2014	794,516	785,277	775,543	765,310	754,579	743,345	731,596	719,317	706,496	693,119	679,175	664,654	649,546	633,840	617,526	600,601	583,066	564,934
2015	784,460	780,847	776,784	772,260	767,265	761,786	755,801	749,289	742,226	734,589	726,353	717,497	707,995	697,821	686,947	675,350	663,010	649,914
2016	701,828	698,791	695,355	691,508	687,243	682,546	677,400	671,783	665,675	659,054	651,898	644,188	635,899	627,009	617,491	607,325	596,491	584,978
2017	827,881	829,762	831,290	832,449	833,223	833,594	833,536	833,021	832,020	830,504	828,438	825,792	822,529	818,611	813,997	808,647	802,522	795,587
2018	250,815	251,276	251,627	251,861	251,973	251,955	251,800	251,497	251,039	250,415	249,615	248,628	247,444	246,049	244,432	242,581	240,485	238,135

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	229,229	224,642	219,779	214,635	209,208	203,498	197,508	191,243	184,708	177,909	170,856	163,558	156,035	148,303	140,390	132,336	124,186	115,980
1990	99,597	94,911	90,186	85,430	80,656	75,877	71,110	66,369	61,672	57,034	52,474	48,010	43,661	39,445	35,385	31,505	27,829	24,371
1991	388,039	386,394	384,372	381,953	379,113	375,833	372,094	367,877	363,161	357,925	352,150	345,815	338,904	331,401	323,301	314,613	305,356	295,539
1992	655,413	652,122	648,180	643,551	638,197	632,086	625,189	617,472	608,903	599,450	589,080	577,761	565,471	552,185	537,898	522,632	506,421	489,289
1993	483,123	477,514	471,353	464,618	457,288	449,348	440,787	431,592	421,753	411,260	400,106	388,286	375,807	362,673	348,908	334,561	319,689	304,343
1994	257,945	257,652	257,136	256,383	255,378	254,105	252,552	250,703	248,543	246,055	243,224	240,031	236,464	232,505	228,145	223,384	218,225	212,666
1995	426,028	424,399	422,362	419,893	416,968	413,566	409,664	405,241	400,274	394,739	388,614	381,876	374,506	366,486	357,807	348,480	338,520	327,940
1996	305,167	296,287	287,069	277,520	267,648	257,468	246,998	236,261	225,280	214,081	202,692	191,148	179,490	167,759	156,013	144,321	132,758	121,390
1997	487,299	485,770	483,785	481,317	478,338	474,822	470,745	466,079	460,799	454,877	448,283	440,992	432,980	424,223	414,711	404,450	393,456	381,739
1998	857,763	850,707	842,726	833,777	823,816	812,807	800,718	787,517	773,171	757,650	740,922	722,963	703,762	683,305	661,610	638,732	614,745	589,710
1999	199,961	195,516	190,833	185,908	180,741	175,335	169,695	163,826	157,737	151,435	144,931	138,238	131,374	124,358	117,218	109,992	102,721	95,444
2000	171,204	164,870	158,386	151,761	145,006	138,137	131,173	124,132	117,035	109,905	102,765	95,640	88,562	81,558	74,666	67,931	61,395	55,095
2001	358,473	355,071	351,272	347,060	342,416	337,328	331,784	325,771	319,278	312,295	304,811	296,818	288,315	279,300	269,784	259,795	249,368	238,534
2002	810,502	797,717	783,966	769,223	753,462	736,671	718,846	699,981	680,077	659,136	637,167	614,187	590,228	565,328	539,555	513,024	485,863	458,187
2003	156,769	151,207	145,498	139,651	133,674	127,581	121,388	115,109	108,764	102,372	95,952	89,527	83,125	76,770	70,496	64,343	58,350	52,552
2004	360,570	358,207	355,470	352,340	348,797	344,825	340,409	335,533	330,180	324,335	317,983	311,109	303,704	295,759	287,275	278,270	268,768	258,790
2005	345,919	339,086	331,838	324,165	316,064	307,535	298,582	289,211	279,430	269,248	258,677	247,735	236,446	224,836	212,946	200,837	188,576	176,220
2006	604,461	597,731	590,313	582,182	573,310	563,678	553,269	542,067	530,058	517,228	503,566	489,065	473,730	457,564	440,596	422,883	404,494	385,490
2007	342,263	328,794	315,057	301,073	286,869	272,481	257,950	243,318	228,632	213,938	199,287	184,735	170,343	156,174	142,303	128,818	115,804	103,333
2008	731,270	727,868	723,747	718,867	713,187	706,669	699,280	690,981	681,738	671,511	660,263	647,958	634,568	620,065	604,441	587,717	569,929	551,101
2009	799,560	791,833	783,219	773,680	763,177	751,681	739,166	725,605	710,974	695,249	678,409	660,436	641,329	621,083	599,726	577,320	553,946	529,673
2010	491,944	494,856	497,500	499,851	501,882	503,567	504,878	505,785	506,259	506,263	505,761	504,715	503,086	500,833	497,920	494,322	490,016	484,972
2011	642,686	635,772	628,133	619,738	610,558	600,572	589,762	578,109	565,597	552,209	537,934	522,761	506,694	489,736	471,914	453,286	433,924	413,889
2012	508,181	505,219	501,740	497,716	493,120	487,927	482,115	475,659	468,538	460,726	452,200	442,938	432,925	422,144	410,596	398,300	385,289	371,585
2013	402,329	390,037	377,313	364,168	350,614	336,676	322,381	307,762	292,852	277,690	262,316	246,779	231,136	215,446	199,786	184,253	168,945	153,950
2014	546,228	526,978	507,215	486,964	466,256	445,136	423,659	401,878	379,858	357,662	335,361	313,033	290,769	268,662	246,824	225,395	204,515	184,300
2015	636,058	621,443	606,072	589,938	573,041	555,392	537,011	517,918	498,140	477,707	456,655	435,030	412,891	390,302	367,355	344,174	320,897	297,646
2016	572,780	559,898	546,333	532,078	517,131	501,502	485,206	468,260	450,687	432,513	413,767	394,488	374,730	354,546	334,017	313,255	292,380	271,501
2017	787,814	779,176	769,646	759,187	747,765	735,352	721,928	707,471	691,961	675,380	657,712	638,948	619,093	598,151	576,157	553,184	529,322	504,648
2018	235,524	232,643	229,482	226,029	222,277	218,219	213,849	209,161	204,149	198,809	193,137	187,135	180,805	174,157	167,213	160,000	152,541	144,855

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	107,750	99,530	91,358	83,280	75,343	67,595	60,091	52,890	46,048	39,615	33,634	28,140	23,163	18,725	14,836	11,495	8,688	6,387
1990	21,144	18,155	15,412	12,920	10,682	8,697	6,962	5,470	4,210	3,168	2,323	1,656	1,143	760	486	296	171	93
1991	285,164	274,232	262,754	250,749	238,248	225,283	211,908	198,193	184,223	170,085	155,868	141,671	127,608	113,801	100,380	87,478	75,227	63,749
1992	471,244	452,292	432,461	411,788	390,331	368,155	345,355	322,061	298,421	274,589	250,721	226,987	203,583	180,715	158,600	137,457	117,496	98,917
1993	288,560	272,380	255,857	239,059	222,063	204,955	187,841	170,845	154,103	137,744	121,892	106,674	92,216	78,645	66,072	54,596	44,293	35,212
1994	206,701	200,321	193,524	186,310	178,688	170,667	162,269	153,528	144,485	135,187	125,680	116,021	106,276	96,522	86,844	77,334	68,088	59,204
1995	316,737	304,911	292,472	279,440	265,842	251,715	237,112	222,111	206,799	191,271	175,623	159,961	144,409	129,102	114,182	99,796	86,093	73,213
1996	110,268	99,443	88,973	78,914	69,326	60,262	51,779	43,929	36,755	30,288	24,538	19,508	15,185	11,546	8,551	6,149	4,279	2,869
1997	369,294	356,115	342,210	327,597	312,303	296,364	279,837	262,803	245,359	227,607	209,653	191,615	173,632	155,856	138,452	121,591	105,446	90,184
1998	563,665	536,648	508,728	479,991	450,545	420,515	390,060	359,380	328,701	298,245	268,236	238,904	210,503	183,289	157,516	133,423	111,225	91,099
1999	88,191	80,993	73,886	66,909	60,105	53,515	47,186	41,166	35,501	30,228	25,378	20,975	17,036	13,573	10,583	8,056	5,971	4,296
2000	49,058	43,310	37,877	32,784	28,055	23,707	19,757	16,216	13,090	10,374	8,055	6,112	4,520	3,248	2,260	1,516	976	599
2001	227,313	215,725	203,805	191,593	179,141	166,505	153,756	140,983	128,281	115,747	103,475	91,560	80,105	69,213	58,982	49,503	40,853	33,093
2002	430,089	401,662	373,030	344,329	315,716	287,357	259,444	232,194	205,830	180,559	156,568	134,032	113,121	93,981	76,730	61,445	48,160	36,858
2003	46,975	41,642	36,579	31,811	27,361	23,248	19,489	16,100	13,087	10,451	8,182	6,265	4,680	3,401	2,395	1,629	1,065	665
2004	248,344	237,440	226,099	214,352	202,235	189,794	177,087	164,193	151,201	138,201	125,283	112,543	100,089	88,035	76,494	65,577	55,391	46,027
2005	163,820	151,425	139,093	126,892	114,893	103,170	91,805	80,886	70,501	60,726	51,625	43,253	35,659	28,875	22,921	17,797	13,482	9,936
2006	365,916	345,816	325,257	304,321	283,101	261,704	240,258	218,919	197,853	177,224	157,189	137,905	119,538	102,245	86,176	71,459	58,198	46,462
2007	91,458	80,223	69,677	59,864	50,822	42,578	35,154	28,565	22,807	17,861	13,688	10,239	7,453	5,263	3,591	2,357	1,480	884
2008	531,239	510,345	488,448	465,587	441,821	417,220	391,886	365,958	339,600	312,978	286,266	259,652	233,350	207,593	182,625	158,691	136,034	114,880
2009	504,548	478,618	451,961	424,669	396,857	368,653	340,218	311,749	283,461	255,571	228,284	201,817	176,396	152,250	129,596	108,632	89,526	72,410
2010	479,147	472,493	464,966	456,524	447,128	436,742	425,341	412,915	399,469	385,009	369,542	353,087	335,686	317,402	298,318	278,546	258,219	237,498
2011	393,228	371,985	350,229	328,043	305,526	282,787	259,963	237,216	214,724	192,660	171,190	150,485	130,721	112,071	94,699	78,745	64,328	51,529
2012	357,198	342,137	326,429	310,110	293,228	275,840	258,027	239,894	221,561	203,152	184,791	166,613	148,771	131,423	114,736	98,871	83,986	70,222
2013	139,337	125,171	111,527	98,480	86,102	74,461	63,625	53,655	44,603	36,496	29,341	23,131	17,840	13,427	9,833	6,984	4,792	3,163
2014	164,841	146,222	128,535	111,864	96,292	81,888	68,713	56,821	46,240	36,970	28,982	22,225	16,628	12,103	8,540	5,820	3,814	2,390
2015	274,519	251,616	229,055	206,960	185,466	164,706	144,822	125,965	108,276	91,869	76,835	63,239	51,131	40,532	31,431	23,783	17,509	12,503
2016	250,707	230,084	209,739	189,785	170,341	151,528	133,477	116,325	100,201	85,212	71,444	58,962	47,815	38,026	29,593	22,480	16,623	11,927
2017	479,218	453,092	426,353	399,107	371,474	343,592	315,627	287,783	260,274	233,315	207,109	181,863	157,793	135,109	114,006	94,656	77,196	61,723
2018	136,957	128,875	120,639	112,287	103,859	95,406	86,989	78,674	70,525	62,603	54,972	47,697	40,840	34,461	28,612	23,334	18,657	14,594

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	4,553	3,135	2,076	1,317	795	454	244	122	57	24	9	3	1	0	0	0	0	0
1990	47	22	9	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	53,158	43,546	34,982	27,505	21,121	15,804	11,495	8,111	5,539	3,652	2,319	1,414	840	500	297	177	105	62
1992	81,890	66,553	53,000	41,272	31,358	23,189	16,649	11,578	7,781	5,041	3,138	1,871	1,087	631	367	213	124	72
1993	27,369	20,749	15,302	10,944	7,565	5,036	3,215	1,961	1,138	626	324	157	73	34	16	7	3	2
1994	50,780	42,904	35,656	29,102	23,287	18,235	13,947	10,402	7,553	5,329	3,647	2,414	1,567	1,017	660	428	278	180
1995	61,283	50,413	40,685	32,152	24,828	18,694	13,691	9,734	6,704	4,462	2,863	1,765	1,062	639	385	231	139	84
1996	1,844	1,131	657	359	183	86	37	14	5	1	0	0	0	0	0	0	0	0
1997	75,964	62,921	51,166	40,772	31,776	24,169	17,901	12,886	8,997	6,080	3,967	2,492	1,530	939	576	354	217	133
1998	73,176	57,528	44,164	33,026	23,992	16,880	11,466	7,497	4,704	2,823	1,614	875	459	241	126	66	35	18
1999	2,989	2,003	1,287	789	458	250	128	60	26	10	4	1	0	0	0	0	0	0
2000	349	191	98	46	20	7	2	1	0	0	0	0	0	0	0	0	0	0
2001	26,261	20,370	15,407	11,334	8,084	5,573	3,700	2,359	1,439	836	461	240	121	61	30	15	8	4
2002	27,470	19,878	13,920	9,396	6,088	3,768	2,216	1,232	644	314	142	59	23	9	4	1	1	0
2003	395	221	116	56	25	10	3	1	0	0	0	0	0	0	0	0	0	0
2004	37,563	30,051	23,519	17,967	13,364	9,653	6,752	4,561	2,968	1,855	1,110	633	351	194	108	60	33	18
2005	7,102	4,905	3,260	2,076	1,259	723	391	197	92	39	15	5	2	1	0	0	0	0
2006	36,283	27,650	20,508	14,761	10,276	6,895	4,442	2,737	1,606	895	470	232	110	52	25	12	6	3
2007	499	264	129	58	23	8	3	1	0	0	0	0	0	0	0	0	0	0
2008	95,431	77,849	62,252	48,698	37,186	27,653	19,977	13,988	9,473	6,188	3,889	2,343	1,376	808	474	279	164	96
2009	57,364	44,414	33,526	24,606	17,507	12,035	7,966	5,060	3,074	1,779	976	505	252	126	63	31	16	8
2010	216,569	195,637	174,926	154,672	135,115	116,490	99,018	82,913	68,336	55,388	44,109	34,472	26,641	20,588	15,911	12,296	9,503	7,344
2011	40,389	30,905	23,027	16,658	11,662	7,874	5,108	3,172	1,879	1,057	562	280	135	65	31	15	7	3
2012	57,698	46,506	36,699	28,292	21,257	15,527	10,996	7,532	4,977	3,164	1,929	1,124	637	361	204	116	66	37
2013	1,999	1,202	683	364	180	81	33	12	4	1	0	0	0	0	0	0	0	0
2014	1,424	801	421	205	91	37	13	4	1	0	0	0	0	0	0	0	0	0
2015	8,627	5,728	3,642	2,205	1,264	680	341	158	67	25	9	2	1	0	0	0	0	0
2016	8,274	5,527	3,538	2,159	1,248	679	344	161	69	27	9	3	1	0	0	0	0	0
2017	48,282	36,862	27,397	19,764	13,795	9,282	5,998	3,709	2,186	1,223	646	320	153	73	35	16	8	4
2018	11,142	8,281	5,974	4,170	2,806	1,813	1,121	661	370	195	97	46	22	10	5	2	1	1

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	10,627,964
1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,166,235
1991	37	22	13	8	5	3	2	1	1	0	0	0	0	0	19,950,217
1992	42	24	14	8	5	3	2	1	1	0	0	0	0	0	34,111,269
1993	1	0	0	0	0	0	0	0	0	0	0	0	0	0	24,886,709
1994	117	76	49	32	21	13	9	6	4	2	2	1	1	0	14,334,065
1995	50	30	18	11	7	4	2	1	1	1	0	0	0	0	23,562,301
1996	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17,405,510
1997	82	50	31	19	12	7	4	3	2	1	1	0	0	0	27,973,407
1998	10	5	3	1	1	0	0	0	0	0	0	0	0	0	49,040,788
1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,896,023
2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,497,934
2001	2	1	0	0	0	0	0	0	0	0	0	0	0	0	21,535,806
2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50,034,063
2003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,264,196
2004	10	6	3	2	1	1	0	0	0	0	0	0	0	0	22,744,116
2005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22,989,984
2006	1	1	0	0	0	0	0	0	0	0	0	0	0	0	39,424,161
2007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28,217,563
2008	56	33	19	11	7	4	2	1	1	0	0	0	0	0	48,776,302
2009	4	2	1	0	0	0	0	0	0	0	0	0	0	0	54,265,854
2010	5,675	4,386	3,389	2,619	2,024	1,564	1,209	934	722	558	431	333	258	199	35,630,078
2011	2	1	0	0	0	0	0	0	0	0	0	0	0	0	44,954,146
2012	21	12	7	4	2	1	1	0	0	0	0	0	0	0	35,597,742
2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34,275,261
2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50,047,140
2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51,743,986
2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46,922,035
2017	2	1	0	0	0	0	0	0	0	0	0	0	0	0	59,284,032
2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17,729,029

925,887,916

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)

2018 Level	91,766	115,895	103,318	100,989	68,397	95,203	82,916	81,792	68,991	76,918	81,057	84,551	85,122	84,690	83,599	96,293	90,793	92,575		
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																			89,993	
2002																		71,515	72,919	
2003																101,484	95,688	97,566		
2004																	63,118	72,702	68,550	69,895
2005														60,390	59,612	68,663	64,741	66,012		
2006													68,028	67,683	66,811	76,955	72,560	73,984		
2007												99,190	99,860	99,353	98,073	112,964	106,512	108,603		
2008										68,267	71,210	71,691	71,327	70,408	81,098	76,467	77,968			
2009								72,806	76,724	80,031	80,571	80,163	79,130	91,145	85,939	87,626				
2010								54,855	61,159	64,450	67,228	67,682	67,338	66,471	76,564	72,191	73,608			
2011								65,243	55,032	61,356	64,657	67,444	67,900	67,555	66,685	76,810	72,423	73,845		
2012							66,419	65,519	55,265	61,615	64,931	67,729	68,187	67,841	66,967	77,135	72,729	74,157		
2013						93,068	81,056	79,957	67,443	75,194	79,240	82,655	83,213	82,791	81,724	94,133	88,757	90,499		
2014					67,257	93,616	81,534	80,429	67,841	75,637	79,707	83,142	83,704	83,279	82,206	94,688	89,280	91,033		
2015				99,491	67,382	93,790	81,685	80,578	67,967	75,777	79,855	83,296	83,859	83,433	82,359	94,864	89,446	91,201		
2016			101,960	99,661	67,498	93,951	81,825	80,716	68,083	75,907	79,991	83,439	84,003	83,577	82,500	95,026	89,599	91,358		
2017		116,666	104,005	101,661	68,852	95,836	83,467	82,336	69,449	77,430	81,597	85,114	85,688	85,254	84,155	96,933	91,397	93,191		
2018	92,565	116,904	104,217	101,868	68,992	96,031	83,637	82,503	69,591	77,588	81,763	85,287	85,863	85,427	84,326	97,130	91,583	93,381		

Notes: (a) Average incremental payment 2018 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)

2018 Level	94,463	95,646	97,848	102,229	101,271	103,149	105,000	105,000	105,000	105,000	105,000	107,100	109,242	111,427	113,655	115,928	118,247	120,612		
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														68,382	69,750	71,145	72,568	74,019	75,499	77,009
1990												63,831	65,108	66,410	67,738	69,093	70,475	71,884	73,322	
1991										88,887	88,887	90,665	92,478	94,328	96,214	98,139	100,101	102,103		
1992									68,435	68,435	68,435	69,803	71,199	72,623	74,076	75,557	77,069	78,610		
1993								64,931	64,931	64,931	66,230	67,555	68,906	70,284	71,689	73,123	74,586			
1994							57,525	57,525	57,525	57,525	58,675	59,849	61,046	62,267	63,512	64,782	66,078			
1995						79,416	80,841	80,841	80,841	80,841	80,841	82,458	84,107	85,789	87,505	89,255	91,040	92,861		
1996					78,244	79,695	81,125	81,125	81,125	81,125	81,125	82,747	84,402	86,090	87,812	89,569	91,360	93,187		
1997				56,607	56,076	57,116	58,141	58,141	58,141	58,141	58,141	59,304	60,490	61,700	62,934	64,192	65,476	66,786		
1998			77,848	81,334	80,572	82,066	83,539	83,539	83,539	83,539	83,539	85,210	86,914	88,652	90,425	92,234	94,078	95,960		
1999		88,731	90,773	94,838	93,950	95,692	97,409	97,409	97,409	97,409	97,409	99,357	101,344	103,371	105,438	107,547	109,698	111,892		
2000	63,327	64,120	65,596	68,533	67,891	69,150	70,391	70,391	70,391	70,391	70,391	71,799	73,234	74,699	76,193	77,717	79,271	80,857		
2001	91,828	92,978	95,119	99,378	98,447	100,272	102,072	102,072	102,072	102,072	102,072	104,113	106,195	108,319	110,486	112,695	114,949	117,248		
2002	74,405	75,337	77,071	80,522	79,768	81,247	82,705	82,705	82,705	82,705	82,705	84,359	86,046	87,767	89,523	91,313	93,139	95,002		
2003	99,556	100,802	103,123	107,740	106,731	108,710	110,661	110,661	110,661	110,661	110,661	112,874	115,132	117,434	119,783	122,179	124,622	127,115		
2004	71,320	72,214	73,876	77,184	76,461	77,879	79,276	79,276	79,276	79,276	79,276	80,862	82,479	84,128	85,811	87,527	89,278	91,063		
2005	67,358	68,202	69,772	72,896	72,213	73,552	74,872	74,872	74,872	74,872	74,872	76,369	77,897	79,455	81,044	82,664	84,318	86,004		
2006	75,493	76,438	78,198	81,699	80,934	82,435	83,914	83,914	83,914	83,914	83,914	85,592	87,304	89,050	90,831	92,648	94,501	96,391		
2007	110,817	112,205	114,788	119,928	118,804	121,007	123,179	123,179	123,179	123,179	123,179	125,642	128,155	130,718	133,333	135,999	138,719	141,494		
2008	79,557	80,554	82,408	86,098	85,291	86,873	88,432	88,432	88,432	88,432	88,432	90,200	92,004	93,845	95,721	97,636	99,589	101,580		
2009	89,413	90,532	92,616	96,763	95,857	97,634	99,386	99,386	99,386	99,386	99,386	101,374	103,402	105,470	107,579	109,731	111,925	114,164		
2010	75,109	76,049	77,800	81,284	80,522	82,015	83,487	83,487	83,487	83,487	83,487	85,157	86,860	88,597	90,369	92,176	94,020	95,900		
2011	75,350	76,294	78,050	81,545	80,781	82,279	83,755	83,755	83,755	83,755	83,755	85,431	87,139	88,882	90,660	92,473	94,322	96,209		
2012	75,669	76,617	78,380	81,890	81,123	82,627	84,110	84,110	84,110	84,110	84,110	85,792	87,508	89,258	91,043	92,864	94,721	96,616		
2013	92,344	93,501	95,653	99,936	99,000	100,836	102,645	102,645	102,645	102,645	102,645	104,698	106,792	108,928	111,107	113,329	115,595	117,907		
2014	92,889	94,052	96,217	100,525	99,584	101,430	103,250	103,250	103,250	103,250	103,250	105,315	107,422	109,570	111,761	113,997	116,277	118,602		
2015	93,061	94,226	96,395	100,712	99,768	101,618	103,442	103,442	103,442	103,442	103,442	105,511	107,621	109,773	111,969	114,208	116,492	118,822		
2016	93,221	94,388	96,561	100,885	99,939	101,792	103,619	103,619	103,619	103,619	103,619	105,692	107,805	109,962	112,161	114,404	116,692	119,026		
2017	95,091	96,282	98,498	102,909	101,945	103,835	105,698	105,698	105,698	105,698	105,698	107,812	109,969	112,168	114,411	116,700	119,034	121,414		
2018	95,285	96,478	98,699	103,118	102,152	104,046	105,914	105,914	105,914	105,914	105,914	108,032	110,192	112,396	114,644	116,937	119,276	121,661		

Notes: (a) Average incremental payment 2018 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)**

2018 Level	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	172,264
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	78,550	80,121	81,723	83,357	85,025	86,725	88,460	90,229	92,033	93,874	95,751	97,667	99,620	101,612	103,644	105,717	107,832	109,988
1990	74,788	76,284	77,810	79,366	80,953	82,572	84,224	85,908	87,626	89,379	91,167	92,990	94,850	96,747	98,682	100,655	102,668	104,722
1991	104,145	106,228	108,353	110,520	112,730	114,985	117,285	119,630	122,023	124,464	126,953	129,492	132,082	134,723	137,418	140,166	142,969	145,829
1992	80,182	81,786	83,422	85,090	86,792	88,528	90,298	92,104	93,946	95,825	97,742	99,696	101,690	103,724	105,799	107,915	110,073	112,274
1993	76,077	77,599	79,151	80,734	82,349	83,996	85,676	87,389	89,137	90,920	92,738	94,593	96,485	98,414	100,383	102,390	104,438	106,527
1994	67,399	68,747	70,122	71,525	72,955	74,414	75,903	77,421	78,969	80,549	82,160	83,803	85,479	87,188	88,932	90,711	92,525	94,376
1995	94,718	96,613	98,545	100,516	102,526	104,577	106,668	108,802	110,978	113,197	115,461	117,770	120,126	122,528	124,979	127,479	130,028	132,629
1996	95,051	96,952	98,891	100,869	102,886	104,944	107,043	109,184	111,367	113,595	115,866	118,184	120,547	122,958	125,418	127,926	130,484	133,094
1997	68,121	69,484	70,873	72,291	73,737	75,212	76,716	78,250	79,815	81,411	83,040	84,700	86,394	88,122	89,885	91,682	93,516	95,386
1998	97,879	99,837	101,833	103,870	105,947	108,066	110,228	112,432	114,681	116,974	119,314	121,700	124,134	126,617	129,149	131,732	134,367	137,054
1999	114,130	116,413	118,741	121,116	123,538	126,009	128,529	131,099	133,721	136,396	139,124	141,906	144,744	147,639	150,592	153,604	156,676	159,809
2000	82,474	84,123	85,806	87,522	89,272	91,058	92,879	94,737	96,631	98,564	100,535	102,546	104,597	106,689	108,823	110,999	113,219	115,483
2001	119,593	121,985	124,425	126,913	129,451	132,041	134,681	137,375	140,122	142,925	145,783	148,699	151,673	154,707	157,801	160,957	164,176	167,459
2002	96,902	98,840	100,817	102,833	104,890	106,988	109,128	111,310	113,536	115,807	118,123	120,486	122,895	125,353	127,860	130,418	133,026	135,687
2003	129,657	132,250	134,895	137,593	140,345	143,152	146,015	148,935	151,914	154,952	158,051	161,212	164,436	167,725	171,080	174,501	177,991	181,551
2004	92,885	94,742	96,637	98,570	100,541	102,552	104,603	106,695	108,829	111,006	113,226	115,490	117,800	120,156	122,559	125,010	127,511	130,061
2005	87,724	89,479	91,268	93,094	94,955	96,855	98,792	100,768	102,783	104,839	106,935	109,074	111,255	113,481	115,750	118,065	120,427	122,835
2006	98,319	100,285	102,291	104,336	106,423	108,552	110,723	112,937	115,196	117,500	119,850	122,247	124,692	127,186	129,729	132,324	134,970	137,670
2007	144,323	147,210	150,154	153,157	156,220	159,345	162,532	165,782	169,098	172,480	175,930	179,448	183,037	186,698	190,432	194,240	198,125	202,088
2008	103,612	105,684	107,798	109,954	112,153	114,396	116,684	119,018	121,398	123,826	126,302	128,828	131,405	134,033	136,714	139,448	142,237	145,082
2009	116,447	118,776	121,152	123,575	126,046	128,567	131,138	133,761	136,436	139,165	141,948	144,787	147,683	150,637	153,649	156,722	159,857	163,054
2010	97,818	99,775	101,770	103,806	105,882	107,999	110,159	112,362	114,610	116,902	119,240	121,625	124,057	126,538	129,069	131,651	134,284	136,969
2011	98,133	100,096	102,097	104,139	106,222	108,347	110,514	112,724	114,978	117,278	119,623	122,016	124,456	126,945	129,484	132,074	134,715	137,410
2012	98,548	100,519	102,529	104,580	106,672	108,805	110,981	113,201	115,465	117,774	120,129	122,532	124,983	127,482	130,032	132,633	135,285	137,991
2013	120,265	122,671	125,124	127,626	130,179	132,783	135,438	138,147	140,910	143,728	146,603	149,535	152,525	155,576	158,687	161,861	165,098	168,400
2014	120,974	123,394	125,862	128,379	130,946	133,565	136,237	138,961	141,741	144,575	147,467	150,416	153,425	156,493	159,623	162,815	166,072	169,393
2015	121,199	123,623	126,095	128,617	131,189	133,813	136,489	139,219	142,003	144,844	147,740	150,695	153,709	156,783	159,919	163,117	166,380	169,707
2016	121,406	123,835	126,311	128,837	131,414	134,042	136,723	139,458	142,247	145,092	147,994	150,954	153,973	157,052	160,193	163,397	166,665	169,998
2017	123,842	126,319	128,846	131,423	134,051	136,732	139,467	142,256	145,101	148,003	150,963	153,983	157,062	160,203	163,408	166,676	170,009	173,409
2018	124,095	126,576	129,108	131,690	134,324	137,010	139,751	142,546	145,397	148,304	151,271	154,296	157,382	160,530	163,740	167,015	170,355	173,762

Notes: (a) Average incremental payment 2018 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)**

2018 Level	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	246,035
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	112,188	114,432	116,721	119,055	121,436	123,865	126,342	128,869	131,446	134,075	136,757	139,492	142,282	145,127	148,030	150,990	154,010	157,090
1990	106,816	108,952	111,132	113,354	115,621	117,934	120,292	122,698	125,152	127,655	130,208	132,812	135,469	138,178	140,942	143,760	146,636	149,568
1991	148,745	151,720	154,755	157,850	161,007	164,227	167,511	170,862	174,279	177,765	181,320	184,946	188,645	192,418	196,266	200,192	204,196	208,279
1992	114,520	116,810	119,147	121,529	123,960	126,439	128,968	131,547	134,178	136,862	139,599	142,391	145,239	148,144	151,107	154,129	157,211	160,356
1993	108,657	110,831	113,047	115,308	117,614	119,967	122,366	124,813	127,309	129,856	132,453	135,102	137,804	140,560	143,371	146,238	149,163	152,147
1994	96,263	98,188	100,152	102,155	104,198	106,282	108,408	110,576	112,788	115,043	117,344	119,691	122,085	124,527	127,017	129,557	132,149	134,792
1995	135,281	137,987	140,747	143,562	146,433	149,361	152,349	155,396	158,504	161,674	164,907	168,205	171,569	175,001	178,501	182,071	185,712	189,426
1996	135,756	138,471	141,241	144,065	146,947	149,886	152,883	155,941	159,060	162,241	165,486	168,796	172,171	175,615	179,127	182,710	186,364	190,091
1997	97,294	99,240	101,225	103,249	105,314	107,421	109,569	111,760	113,996	116,275	118,601	120,973	123,392	125,860	128,378	130,945	133,564	136,235
1998	139,795	142,591	145,443	148,352	151,319	154,345	157,432	160,581	163,792	167,068	170,410	173,818	177,294	180,840	184,457	188,146	191,909	195,747
1999	163,006	166,266	169,591	172,983	176,443	179,971	183,571	187,242	190,987	194,807	198,703	202,677	206,731	210,865	215,082	219,384	223,772	228,247
2000	117,793	120,149	122,552	125,003	127,503	130,053	132,654	135,307	138,013	140,774	143,589	146,461	149,390	152,378	155,425	158,534	161,705	164,939
2001	170,808	174,225	177,709	181,263	184,889	188,586	192,358	196,205	200,129	204,132	208,215	212,379	216,626	220,959	225,378	229,886	234,483	239,173
2002	138,400	141,168	143,992	146,871	149,809	152,805	155,861	158,978	162,158	165,401	168,709	172,083	175,525	179,035	182,616	186,269	189,994	193,794
2003	185,182	188,886	192,663	196,517	200,447	204,456	208,545	212,716	216,970	221,310	225,736	230,251	234,856	239,553	244,344	249,231	254,215	259,300
2004	132,662	135,315	138,022	140,782	143,598	146,470	149,399	152,387	155,435	158,543	161,714	164,949	168,248	171,613	175,045	178,546	182,117	185,759
2005	125,292	127,798	130,354	132,961	135,620	138,332	141,099	143,921	146,799	149,735	152,730	155,785	158,900	162,078	165,320	168,626	171,999	175,439
2006	140,423	143,232	146,096	149,018	151,998	155,038	158,139	161,302	164,528	167,819	171,175	174,598	178,090	181,652	185,285	188,991	192,771	196,626
2007	206,129	210,252	214,457	218,746	223,121	227,584	232,135	236,778	241,514	246,344	251,271	256,296	261,422	266,650	271,983	277,423	282,972	288,631
2008	147,983	150,943	153,962	157,041	160,182	163,386	166,653	169,986	173,386	176,854	180,391	183,999	187,679	191,432	195,261	199,166	203,149	207,212
2009	166,315	169,641	173,034	176,495	180,025	183,625	187,298	191,044	194,865	198,762	202,737	206,792	210,928	215,146	219,449	223,838	228,315	232,881
2010	139,709	142,503	145,353	148,260	151,225	154,250	157,335	160,481	163,691	166,965	170,304	173,710	177,184	180,728	184,343	188,029	191,790	195,626
2011	140,158	142,961	145,820	148,737	151,711	154,746	157,841	160,997	164,217	167,502	170,852	174,269	177,754	181,309	184,935	188,634	192,407	196,255
2012	140,751	143,566	146,437	149,366	152,353	155,400	158,508	161,678	164,912	168,210	171,574	175,006	178,506	182,076	185,718	189,432	193,221	197,085
2013	171,768	175,204	178,708	182,282	185,928	189,646	193,439	197,308	201,254	205,279	209,385	213,572	217,844	222,201	226,645	231,178	235,801	240,517
2014	172,781	176,237	179,761	183,357	187,024	190,764	194,579	198,471	202,440	206,489	210,619	214,831	219,128	223,511	227,981	232,540	237,191	241,935
2015	173,101	176,563	180,095	183,697	187,371	191,118	194,940	198,839	202,816	206,872	211,010	215,230	219,534	223,925	228,404	232,972	237,631	242,384
2016	173,398	176,866	180,404	184,012	187,692	191,446	195,275	199,180	203,164	207,227	211,372	215,599	219,911	224,309	228,795	233,371	238,039	242,799
2017	176,878	180,415	184,023	187,704	191,458	195,287	199,193	203,177	207,240	211,385	215,613	219,925	224,324	228,810	233,386	238,054	242,815	247,671
2018	177,238	180,782	184,398	188,086	191,848	195,685	199,598	203,590	207,662	211,815	216,052	220,373	224,780	229,276	233,861	238,538	243,309	248,175

Notes: (a) Average incremental payment 2018 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)

2018 Leve	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	351,398
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	160,232	163,437	166,706	170,040	173,441	176,909	180,448	184,056	187,738	191,492	195,322	199,229	203,213	207,278	211,423	215,652	219,965	224,364
1990	152,560	155,611	158,723	161,898	165,136	168,438	171,807	175,243	178,748	182,323	185,969	189,689	193,483	197,352	201,299	205,325	209,432	213,620
1991	212,445	216,694	221,028	225,448	229,957	234,557	239,248	244,033	248,913	253,892	258,969	264,149	269,432	274,820	280,317	285,923	291,642	297,474
1992	163,563	166,834	170,171	173,574	177,045	180,586	184,198	187,882	191,640	195,472	199,382	203,370	207,437	211,586	215,817	220,134	224,536	229,027
1993	155,189	158,293	161,459	164,688	167,982	171,342	174,769	178,264	181,829	185,466	189,175	192,959	196,818	200,754	204,769	208,865	213,042	217,303
1994	137,487	140,237	143,042	145,903	148,821	151,797	154,833	157,930	161,088	164,310	167,596	170,948	174,367	177,855	181,412	185,040	188,741	192,516
1995	193,215	197,079	201,021	205,041	209,142	213,325	217,591	221,943	226,382	230,910	235,528	240,239	245,043	249,944	254,943	260,042	265,243	270,548
1996	193,893	197,771	201,726	205,761	209,876	214,074	218,355	222,722	227,177	231,720	236,354	241,082	245,903	250,821	255,838	260,954	266,174	271,497
1997	138,960	141,739	144,574	147,465	150,415	153,423	156,491	159,621	162,814	166,070	169,391	172,779	176,235	179,760	183,355	187,022	190,762	194,578
1998	199,662	203,655	207,728	211,883	216,121	220,443	224,852	229,349	233,936	238,615	243,387	248,255	253,220	258,284	263,450	268,719	274,093	279,575
1999	232,812	237,468	242,218	247,062	252,003	257,043	262,184	267,428	272,777	278,232	283,797	289,473	295,262	301,167	307,191	313,335	319,601	325,993
2000	168,238	171,602	175,034	178,535	182,106	185,748	189,463	193,252	197,117	201,059	205,081	209,182	213,366	217,633	221,986	226,426	230,954	235,573
2001	243,957	248,836	253,812	258,889	264,066	269,348	274,735	280,229	285,834	291,551	297,382	303,329	309,396	315,584	321,896	328,333	334,900	341,598
2002	197,670	201,623	205,655	209,769	213,964	218,243	222,608	227,060	231,601	236,234	240,958	245,777	250,693	255,707	260,821	266,037	271,358	276,785
2003	264,486	269,775	275,171	280,674	286,288	292,014	297,854	303,811	309,887	316,085	322,407	328,855	335,432	342,140	348,983	355,963	363,082	370,344
2004	189,474	193,264	197,129	201,071	205,093	209,195	213,379	217,646	221,999	226,439	230,968	235,587	240,299	245,105	250,007	255,007	260,107	265,310
2005	178,947	182,526	186,177	189,900	193,698	197,572	201,524	205,554	209,665	213,859	218,136	222,499	226,949	231,488	236,117	240,840	245,657	250,570
2006	200,559	204,570	208,661	212,835	217,091	221,433	225,862	230,379	234,987	239,686	244,480	249,370	254,357	259,444	264,633	269,926	275,324	280,831
2007	294,404	300,292	306,298	312,423	318,672	325,045	331,546	338,177	344,941	351,840	358,876	366,054	373,375	380,842	388,459	396,229	404,153	412,236
2008	211,357	215,584	219,896	224,293	228,779	233,355	238,022	242,782	247,638	252,591	257,643	262,795	268,051	273,412	278,881	284,458	290,147	295,950
2009	237,539	242,290	247,136	252,078	257,120	262,262	267,507	272,858	278,315	283,881	289,559	295,350	301,257	307,282	313,428	319,696	326,090	332,612
2010	199,538	203,529	207,600	211,752	215,987	220,306	224,713	229,207	233,791	238,467	243,236	248,101	253,063	258,124	263,287	268,552	273,923	279,402
2011	200,180	204,184	208,267	212,433	216,681	221,015	225,435	229,944	234,543	239,234	244,018	248,899	253,877	258,954	264,133	269,416	274,804	280,300
2012	201,027	205,047	209,148	213,331	217,598	221,950	226,389	230,917	235,535	240,246	245,051	249,952	254,951	260,050	265,251	270,556	275,967	281,486
2013	245,328	250,234	255,239	260,344	265,551	270,862	276,279	281,804	287,440	293,189	299,053	305,034	311,135	317,357	323,705	330,179	336,782	343,518
2014	246,774	251,709	256,743	261,878	267,116	272,458	277,907	283,466	289,135	294,918	300,816	306,832	312,969	319,228	325,613	332,125	338,768	345,543
2015	247,231	252,176	257,220	262,364	267,611	272,963	278,423	283,991	289,671	295,464	301,374	307,401	313,549	319,820	326,217	332,741	339,396	346,184
2016	247,655	252,609	257,661	262,814	268,070	273,432	278,900	284,478	290,168	295,971	301,891	307,928	314,087	320,369	326,776	333,312	339,978	346,777
2017	252,625	257,677	262,831	268,087	273,449	278,918	284,496	290,186	295,990	301,910	307,948	314,107	320,389	326,797	333,333	340,000	346,800	353,736
2018	253,139	258,202	263,366	268,633	274,006	279,486	285,076	290,777	296,593	302,524	308,575	314,746	321,041	327,462	334,011	340,692	347,505	354,456

Notes: (a) Average incremental payment 2018 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)

2018 Leve	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	501,883
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	228,851	233,428	238,097	242,859	247,716	252,670	257,724	262,878	268,136	273,498	278,968	284,548	290,239	296,043	301,964	308,003	314,164	320,447
1990	217,893	222,251	226,696	231,230	235,854	240,571	245,383	250,290	255,296	260,402	265,610	270,922	276,341	281,868	287,505	293,255	299,120	305,103
1991	303,424	309,492	315,682	321,996	328,436	335,004	341,705	348,539	355,509	362,620	369,872	377,269	384,815	392,511	400,361	408,369	416,536	424,867
1992	233,608	238,280	243,045	247,906	252,864	257,922	263,080	268,342	273,709	279,183	284,766	290,462	296,271	302,196	308,240	314,405	320,693	327,107
1993	221,649	226,082	230,603	235,215	239,920	244,718	249,613	254,605	259,697	264,891	270,189	275,592	281,104	286,726	292,461	298,310	304,276	310,362
1994	196,366	200,293	204,299	208,385	212,553	216,804	221,140	225,563	230,074	234,675	239,369	244,156	249,039	254,020	259,101	264,283	269,568	274,960
1995	275,959	281,478	287,107	292,849	298,706	304,681	310,774	316,990	323,329	329,796	336,392	343,120	349,982	356,982	364,121	371,404	378,832	386,409
1996	276,927	282,465	288,115	293,877	299,755	305,750	311,865	318,102	324,464	330,953	337,572	344,324	351,210	358,235	365,399	372,707	380,161	387,765
1997	198,469	202,438	206,487	210,617	214,829	219,126	223,508	227,979	232,538	237,189	241,933	246,771	251,707	256,741	261,876	267,113	272,455	277,905
1998	285,167	290,870	296,687	302,621	308,674	314,847	321,144	327,567	334,118	340,801	347,617	354,569	361,660	368,893	376,271	383,797	391,473	399,302
1999	332,513	339,163	345,947	352,866	359,923	367,121	374,464	381,953	389,592	397,384	405,332	413,438	421,707	430,141	438,744	447,519	456,469	465,599
2000	240,285	245,090	249,992	254,992	260,092	265,294	270,599	276,011	281,532	287,162	292,906	298,764	304,739	310,834	317,050	323,391	329,859	336,456
2001	348,430	355,399	362,507	369,757	377,152	384,695	392,389	400,237	408,241	416,406	424,734	433,229	441,894	450,731	459,746	468,941	478,320	487,886
2002	282,321	287,967	293,727	299,601	305,593	311,705	317,939	324,298	330,784	337,400	344,148	351,031	358,051	365,212	372,516	379,967	387,566	395,317
2003	377,751	385,306	393,012	400,872	408,889	417,067	425,409	433,917	442,595	451,447	460,476	469,685	479,079	488,661	498,434	508,403	518,571	528,942
2004	270,616	276,028	281,549	287,180	292,923	298,782	304,757	310,852	317,069	323,411	329,879	336,477	343,206	350,070	357,072	364,213	371,497	378,927
2005	255,581	260,693	265,907	271,225	276,649	282,182	287,826	293,582	299,454	305,443	311,552	317,783	324,139	330,621	337,234	343,978	350,858	357,875
2006	286,447	292,176	298,020	303,980	310,060	316,261	322,586	329,038	335,619	342,331	349,178	356,161	363,284	370,550	377,961	385,520	393,231	401,095
2007	420,481	428,891	437,468	446,218	455,142	464,245	473,530	483,000	492,660	502,514	512,564	522,815	533,271	543,937	554,816	565,912	577,230	588,775
2008	301,869	307,907	314,065	320,346	326,753	333,288	339,954	346,753	353,688	360,762	367,977	375,337	382,843	390,500	398,310	406,276	414,402	422,690
2009	339,264	346,049	352,970	360,030	367,230	374,575	382,066	389,708	397,502	405,452	413,561	421,832	430,269	438,874	447,652	456,605	465,737	475,052
2010	284,990	290,690	296,503	302,433	308,482	314,652	320,945	327,364	333,911	340,589	347,401	354,349	361,436	368,665	376,038	383,559	391,230	399,055
2011	285,906	291,625	297,457	303,406	309,474	315,664	321,977	328,417	334,985	341,685	348,518	355,489	362,599	369,850	377,247	384,792	392,488	400,338
2012	287,116	292,858	298,715	304,690	310,783	316,999	323,339	329,806	336,402	343,130	349,993	356,992	364,132	371,415	378,843	386,420	394,149	402,032
2013	350,388	357,396	364,544	371,835	379,272	386,857	394,594	402,486	410,536	418,746	427,121	435,664	444,377	453,265	462,330	471,576	481,008	490,628
2014	352,454	359,503	366,693	374,027	381,507	389,137	396,920	404,859	412,956	421,215	429,639	438,232	446,997	455,937	465,055	474,356	483,843	493,520
2015	353,107	360,170	367,373	374,720	382,215	389,859	397,656	405,609	413,722	421,996	430,436	439,045	447,826	456,782	465,918	475,236	484,741	494,436
2016	353,713	360,787	368,003	375,363	382,870	390,528	398,338	406,305	414,431	422,720	431,174	439,798	448,593	457,565	466,717	476,051	485,572	495,283
2017	360,810	368,027	375,387	382,895	390,553	398,364	406,331	414,458	422,747	431,202	439,826	448,622	457,595	466,747	476,082	485,603	495,315	505,222
2018	361,545	368,776	376,151	383,674	391,348	399,175	407,158	415,301	423,607	432,079	440,721	449,535	458,526	467,697	477,051	486,592	496,323	506,250

Notes: (a) Average incremental payment 2018 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)

2018 Leve	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	662,225
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	326,856	333,393	340,061	346,862	353,799	360,875	368,093	375,455	382,964	390,623	398,435	406,404	414,532	422,823
1990	311,205	317,429	323,777	330,253	336,858	343,595	350,467	357,476	364,626	371,918	379,357	386,944	394,683	402,576
1991	433,364	442,031	450,872	459,889	469,087	478,469	488,038	497,799	507,755	517,910	528,268	538,834	549,610	560,603
1992	333,649	340,322	347,129	354,071	361,153	368,376	375,743	383,258	390,923	398,742	406,717	414,851	423,148	431,611
1993	316,569	322,900	329,358	335,946	342,664	349,518	356,508	363,638	370,911	378,329	385,896	393,614	401,486	409,516
1994	280,459	286,068	291,789	297,625	303,578	309,649	315,842	322,159	328,602	335,174	341,878	348,715	355,690	362,803
1995	394,137	402,019	410,060	418,261	426,626	435,159	443,862	452,739	461,794	471,030	480,450	490,060	499,861	509,858
1996	395,520	403,430	411,499	419,729	428,123	436,686	445,420	454,328	463,415	472,683	482,137	491,779	501,615	511,647
1997	283,463	289,132	294,915	300,813	306,829	312,966	319,225	325,610	332,122	338,764	345,539	352,450	359,499	366,689
1998	407,288	415,434	423,743	432,217	440,862	449,679	458,673	467,846	477,203	486,747	496,482	506,412	516,540	526,871
1999	474,911	484,409	494,097	503,979	514,059	524,340	534,827	545,523	556,434	567,562	578,913	590,492	602,302	614,348
2000	343,186	350,049	357,050	364,191	371,475	378,905	386,483	394,212	402,097	410,139	418,341	426,708	435,242	443,947
2001	497,644	507,597	517,749	528,104	538,666	549,439	560,428	571,636	583,069	594,731	606,625	618,758	631,133	643,755
2002	403,224	411,288	419,514	427,904	436,462	445,192	454,095	463,177	472,441	481,890	491,528	501,358	511,385	521,613
2003	539,521	550,311	561,318	572,544	583,995	595,675	607,588	619,740	632,135	644,777	657,673	670,826	684,243	697,928
2004	386,506	394,236	402,121	410,163	418,366	426,734	435,268	443,974	452,853	461,910	471,148	480,571	490,183	499,987
2005	365,033	372,333	379,780	387,376	395,123	403,026	411,086	419,308	427,694	436,248	444,973	453,872	462,950	472,209
2006	409,117	417,300	425,646	434,158	442,842	451,698	460,732	469,947	479,346	488,933	498,712	508,686	518,860	529,237
2007	600,550	612,561	624,812	637,309	650,055	663,056	676,317	689,843	703,640	717,713	732,067	746,709	761,643	776,876
2008	431,144	439,767	448,562	457,533	466,684	476,018	485,538	495,249	505,154	515,257	525,562	536,073	546,795	557,731
2009	484,553	494,244	504,129	514,211	524,495	534,985	545,685	556,599	567,731	579,085	590,667	602,480	614,530	626,821
2010	407,036	415,176	423,480	431,949	440,588	449,400	458,388	467,556	476,907	486,445	496,174	506,098	516,220	526,544
2011	408,345	416,512	424,842	433,339	442,006	450,846	459,863	469,060	478,441	488,010	497,770	507,725	517,880	528,238
2012	410,072	418,274	426,639	435,172	443,875	452,753	461,808	471,044	480,465	490,074	499,876	509,873	520,071	530,472
2013	500,441	510,450	520,659	531,072	541,693	552,527	563,578	574,849	586,346	598,073	610,034	622,235	634,680	647,373
2014	503,391	513,459	523,728	534,202	544,886	555,784	566,900	578,238	589,803	601,599	613,631	625,903	638,421	651,190
2015	504,324	514,411	524,699	535,193	545,897	556,815	567,951	579,310	590,896	602,714	614,768	627,064	639,605	652,397
2016	505,189	515,293	525,599	536,111	546,833	557,770	568,925	580,304	591,910	603,748	615,823	628,139	640,702	653,516
2017	515,326	525,633	536,145	546,868	557,805	568,962	580,341	591,948	603,787	615,862	628,180	640,743	653,558	666,629
2018	516,375	526,702	537,236	547,981	558,941	570,120	581,522	593,152	605,015	617,116	629,458	642,047	654,888	667,986

Notes: (a) Average incremental payment 2018 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																		4.00
2002																	13.00	12.83
2003																3.00	2.94	2.88
2004															5.00	4.95	4.90	4.86
2005														7.00	6.90	6.80	6.70	6.60
2006													9.00	8.90	8.81	8.71	8.61	8.51
2007											7.00	6.86	6.72	6.58	6.44	6.30	6.16	6.16
2008										9.00	8.93	8.85	8.78	8.70	8.62	8.54	8.47	8.47
2009								10.00	9.90	9.80	9.70	9.60	9.50	9.40	9.30	9.20	9.20	9.20
2010							5.00	4.98	4.95	4.93	4.91	4.88	4.86	4.83	4.81	4.78	4.78	4.78
2011							10.00	9.90	9.80	9.70	9.60	9.50	9.40	9.30	9.20	9.09	8.99	8.99
2012						7.00	6.94	6.88	6.83	6.77	6.71	6.65	6.59	6.53	6.47	6.41	6.35	6.35
2013							8.64	8.50	8.36	8.23	8.09	7.95	7.81	7.68	7.54	7.40	7.27	7.13
2014					12.42	13.42	13.19	12.96	12.73	12.50	12.27	12.04	11.82	11.59	11.37	11.14	10.92	10.69
2015				9.68	10.39	11.27	11.12	10.97	10.82	10.66	10.51	10.36	10.21	10.06	9.91	9.75	9.60	9.44
2016			5.38	8.58	9.22	10.00	9.87	9.74	9.60	9.47	9.34	9.20	9.07	8.94	8.80	8.67	8.53	8.40
2017		2.76	5.25	8.46	9.14	9.96	9.86	9.76	9.67	9.57	9.47	9.37	9.27	9.18	9.08	8.97	8.87	8.77
2018	0.21	0.70	1.58	2.56	2.79	3.03	3.00	2.97	2.94	2.91	2.88	2.85	2.82	2.79	2.76	2.73	2.70	2.67

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) 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	3.92	3.85	3.77	3.69	3.61	3.54
1990											3.00	2.91	2.81	2.72	2.63	2.54	2.45	2.36
1991									4.00	3.96	3.91	3.86	3.82	3.77	3.73	3.68	3.63	
1992								8.00	9.00	8.90	8.80	8.69	8.59	8.48	8.38	8.27	8.16	8.05
1993								8.00	7.89	7.77	7.66	7.55	7.43	7.32	7.20	7.08	6.97	6.85
1994							4.00	3.96	3.93	3.89	3.85	3.81	3.77	3.73	3.69	3.65	3.61	3.57
1995						5.00	4.95	4.90	4.85	4.79	4.74	4.69	4.63	4.58	4.52	4.47	4.41	4.36
1996					6.00	5.88	5.75	5.63	5.51	5.38	5.26	5.14	5.02	4.90	4.78	4.66	4.54	4.42
1997				8.00	7.92	7.85	7.77	7.69	7.61	7.53	7.45	7.37	7.29	7.20	7.12	7.04	6.95	6.87
1998			11.00	10.87	10.75	10.62	10.49	10.36	10.23	10.10	9.97	9.84	9.70	9.57	9.43	9.30	9.16	9.02
1999		3.00	2.95	2.90	2.85	2.80	2.75	2.70	2.65	2.59	2.54	2.49	2.44	2.39	2.34	2.29	2.24	2.19
2000	5.00	4.89	4.78	4.67	4.56	4.45	4.34	4.23	4.12	4.02	3.91	3.81	3.70	3.60	3.50	3.39	3.29	3.19
2001	3.95	3.91	3.86	3.82	3.77	3.72	3.68	3.63	3.58	3.53	3.49	3.44	3.39	3.34	3.29	3.24	3.19	3.14
2002	12.65	12.47	12.29	12.12	11.94	11.76	11.58	11.40	11.21	11.03	10.85	10.67	10.48	10.30	10.12	9.93	9.74	9.56
2003	2.82	2.76	2.69	2.63	2.57	2.51	2.45	2.39	2.33	2.28	2.22	2.16	2.10	2.05	1.99	1.93	1.88	1.82
2004	4.81	4.76	4.71	4.65	4.60	4.55	4.50	4.45	4.40	4.34	4.29	4.24	4.18	4.13	4.07	4.02	3.96	3.90
2005	6.50	6.40	6.30	6.20	6.10	6.00	5.89	5.79	5.69	5.59	5.48	5.38	5.28	5.18	5.07	4.97	4.87	4.76
2006	8.41	8.30	8.20	8.10	7.99	7.89	7.78	7.68	7.57	7.46	7.36	7.25	7.14	7.03	6.92	6.81	6.70	6.59
2007	6.02	5.88	5.74	5.60	5.46	5.33	5.19	5.06	4.92	4.79	4.66	4.53	4.40	4.27	4.14	4.02	3.89	3.77
2008	8.39	8.30	8.22	8.14	8.06	7.97	7.89	7.80	7.72	7.63	7.55	7.46	7.37	7.28	7.19	7.10	7.01	6.92
2009	9.09	8.99	8.88	8.77	8.67	8.56	8.45	8.34	8.23	8.12	8.01	7.90	7.78	7.67	7.56	7.44	7.33	7.21
2010	4.76	4.73	4.71	4.68	4.65	4.62	4.60	4.57	4.54	4.51	4.48	4.45	4.42	4.39	4.36	4.33	4.30	4.26
2011	8.88	8.77	8.67	8.56	8.45	8.34	8.23	8.12	8.01	7.90	7.78	7.67	7.56	7.44	7.33	7.21	7.10	6.98
2012	6.28	6.22	6.16	6.09	6.03	5.96	5.90	5.83	5.76	5.69	5.63	5.56	5.49	5.42	5.35	5.28	5.21	5.14
2013	6.99	6.85	6.71	6.58	6.44	6.30	6.17	6.03	5.89	5.76	5.62	5.49	5.36	5.22	5.09	4.96	4.83	4.70
2014	10.46	10.24	10.01	9.79	9.56	9.34	9.12	8.90	8.68	8.46	8.25	8.03	7.82	7.61	7.40	7.19	6.98	6.77
2015	9.29	9.13	8.98	8.82	8.66	8.51	8.35	8.19	8.03	7.88	7.72	7.57	7.41	7.25	7.10	6.94	6.79	6.63
2016	8.26	8.12	7.99	7.85	7.71	7.57	7.43	7.30	7.16	7.02	6.88	6.75	6.61	6.47	6.33	6.19	6.06	5.92
2017	8.67	8.56	8.45	8.35	8.24	8.13	8.03	7.92	7.81	7.70	7.59	7.48	7.37	7.26	7.14	7.03	6.92	6.80
2018	2.63	2.60	2.57	2.54	2.50	2.47	2.44	2.40	2.37	2.34	2.30	2.27	2.23	2.20	2.16	2.13	2.09	2.06

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	3.46	3.38	3.30	3.23	3.15	3.07	2.99	2.91	2.84	2.76	2.68	2.60	2.52	2.44	2.36	2.28	2.20	2.12
1990	2.27	2.19	2.10	2.02	1.94	1.86	1.78	1.70	1.62	1.55	1.48	1.40	1.33	1.26	1.19	1.13	1.06	1.00
1991	3.58	3.53	3.48	3.43	3.38	3.33	3.28	3.23	3.18	3.12	3.07	3.02	2.96	2.90	2.85	2.79	2.73	2.67
1992	7.94	7.83	7.72	7.60	7.49	7.37	7.25	7.14	7.02	6.89	6.77	6.65	6.52	6.39	6.26	6.13	6.00	5.86
1993	6.73	6.61	6.49	6.37	6.25	6.13	6.00	5.88	5.75	5.63	5.50	5.37	5.25	5.12	4.98	4.85	4.72	4.58
1994	3.53	3.49	3.45	3.40	3.36	3.32	3.27	3.23	3.18	3.14	3.09	3.04	2.99	2.94	2.89	2.84	2.79	2.73
1995	4.30	4.24	4.18	4.13	4.07	4.01	3.95	3.88	3.82	3.76	3.70	3.63	3.57	3.50	3.43	3.36	3.29	3.22
1996	4.30	4.18	4.06	3.94	3.83	3.71	3.60	3.48	3.37	3.25	3.14	3.02	2.91	2.80	2.69	2.58	2.47	2.36
1997	6.78	6.69	6.60	6.51	6.42	6.33	6.24	6.14	6.05	5.95	5.85	5.75	5.65	5.55	5.44	5.34	5.23	5.12
1998	8.88	8.74	8.60	8.46	8.31	8.17	8.02	7.87	7.72	7.57	7.42	7.27	7.11	6.95	6.79	6.63	6.47	6.30
1999	2.14	2.09	2.04	1.99	1.94	1.89	1.84	1.78	1.73	1.68	1.63	1.58	1.53	1.48	1.43	1.38	1.33	1.28
2000	3.09	2.99	2.89	2.80	2.70	2.61	2.51	2.42	2.33	2.23	2.14	2.05	1.96	1.88	1.79	1.70	1.62	1.54
2001	3.09	3.04	2.99	2.93	2.88	2.83	2.78	2.72	2.67	2.61	2.56	2.50	2.45	2.39	2.33	2.28	2.22	2.16
2002	9.37	9.18	8.99	8.80	8.61	8.42	8.23	8.04	7.85	7.65	7.46	7.26	7.06	6.87	6.67	6.47	6.26	6.06
2003	1.76	1.71	1.65	1.60	1.55	1.49	1.44	1.39	1.34	1.29	1.24	1.19	1.14	1.09	1.04	0.99	0.94	0.89
2004	3.85	3.79	3.73	3.67	3.62	3.56	3.50	3.44	3.37	3.31	3.25	3.19	3.12	3.06	2.99	2.92	2.86	2.79
2005	4.66	4.55	4.45	4.35	4.24	4.14	4.03	3.93	3.82	3.72	3.61	3.51	3.40	3.30	3.19	3.08	2.98	2.87
2006	6.48	6.36	6.25	6.13	6.02	5.90	5.79	5.67	5.55	5.43	5.31	5.19	5.07	4.94	4.82	4.69	4.56	4.43
2007	3.65	3.53	3.41	3.29	3.17	3.05	2.94	2.82	2.71	2.60	2.49	2.38	2.27	2.17	2.06	1.96	1.86	1.76
2008	6.82	6.73	6.63	6.54	6.44	6.34	6.24	6.14	6.04	5.94	5.83	5.73	5.62	5.51	5.40	5.29	5.17	5.06
2009	7.09	6.97	6.86	6.74	6.61	6.49	6.37	6.25	6.12	6.00	5.87	5.74	5.61	5.48	5.35	5.22	5.08	4.95
2010	4.23	4.20	4.16	4.13	4.09	4.06	4.02	3.98	3.95	3.91	3.87	3.83	3.79	3.75	3.70	3.66	3.61	3.57
2011	6.86	6.74	6.63	6.51	6.38	6.26	6.14	6.02	5.89	5.77	5.64	5.51	5.39	5.26	5.12	4.99	4.86	4.72
2012	5.06	4.99	4.92	4.84	4.77	4.69	4.61	4.53	4.46	4.38	4.30	4.21	4.13	4.05	3.96	3.88	3.79	3.70
2013	4.57	4.44	4.31	4.18	4.05	3.93	3.80	3.67	3.55	3.43	3.30	3.18	3.06	2.94	2.82	2.70	2.58	2.46
2014	6.57	6.36	6.16	5.96	5.76	5.57	5.37	5.18	4.98	4.79	4.61	4.42	4.23	4.05	3.87	3.69	3.51	3.34
2015	6.47	6.32	6.16	6.00	5.85	5.69	5.54	5.38	5.23	5.07	4.92	4.76	4.61	4.45	4.30	4.14	3.98	3.83
2016	5.78	5.64	5.51	5.37	5.23	5.09	4.95	4.82	4.68	4.54	4.40	4.27	4.13	3.99	3.85	3.72	3.58	3.44
2017	6.68	6.57	6.45	6.33	6.22	6.10	5.98	5.86	5.73	5.61	5.49	5.36	5.24	5.11	4.98	4.85	4.72	4.59
2018	2.02	1.99	1.95	1.91	1.88	1.84	1.80	1.76	1.73	1.69	1.65	1.61	1.57	1.53	1.49	1.45	1.41	1.37

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	2.04	1.96	1.88	1.80	1.72	1.64	1.56	1.48	1.41	1.33	1.25	1.17	1.10	1.02	0.95	0.88	0.81	0.74
1990	0.93	0.87	0.81	0.75	0.70	0.64	0.59	0.54	0.49	0.45	0.40	0.36	0.32	0.29	0.25	0.22	0.19	0.16
1991	2.61	2.55	2.48	2.42	2.35	2.29	2.22	2.15	2.08	2.01	1.94	1.87	1.80	1.72	1.65	1.57	1.50	1.42
1992	5.72	5.58	5.44	5.30	5.15	5.00	4.85	4.69	4.54	4.38	4.22	4.06	3.89	3.73	3.56	3.39	3.22	3.05
1993	4.45	4.31	4.17	4.03	3.89	3.75	3.60	3.46	3.31	3.17	3.02	2.87	2.73	2.58	2.43	2.29	2.14	2.00
1994	2.68	2.62	2.57	2.51	2.45	2.39	2.33	2.27	2.20	2.14	2.07	2.01	1.94	1.87	1.80	1.72	1.65	1.58
1995	3.15	3.08	3.00	2.92	2.85	2.77	2.69	2.61	2.53	2.44	2.36	2.27	2.18	2.09	2.00	1.91	1.82	1.73
1996	2.25	2.14	2.03	1.93	1.82	1.72	1.62	1.52	1.42	1.32	1.22	1.13	1.04	0.96	0.87	0.79	0.71	0.64
1997	5.01	4.89	4.78	4.66	4.54	4.42	4.30	4.17	4.04	3.91	3.78	3.65	3.51	3.37	3.23	3.09	2.95	2.80
1998	6.14	5.97	5.79	5.62	5.44	5.27	5.09	4.90	4.72	4.53	4.35	4.16	3.97	3.78	3.59	3.39	3.20	3.01
1999	1.23	1.18	1.13	1.07	1.02	0.97	0.92	0.87	0.83	0.78	0.73	0.68	0.64	0.59	0.54	0.50	0.46	0.42
2000	1.45	1.37	1.29	1.21	1.14	1.06	0.99	0.92	0.85	0.78	0.72	0.65	0.59	0.54	0.48	0.43	0.38	0.33
2001	2.10	2.04	1.98	1.91	1.85	1.79	1.72	1.66	1.60	1.53	1.46	1.40	1.33	1.26	1.20	1.13	1.06	1.00
2002	5.86	5.65	5.44	5.24	5.03	4.82	4.61	4.40	4.19	3.99	3.78	3.57	3.36	3.16	2.95	2.75	2.56	2.36
2003	0.85	0.80	0.76	0.71	0.67	0.62	0.58	0.54	0.50	0.46	0.43	0.39	0.35	0.32	0.29	0.26	0.23	0.20
2004	2.72	2.65	2.58	2.50	2.43	2.35	2.28	2.20	2.12	2.05	1.97	1.89	1.81	1.72	1.64	1.56	1.48	1.39
2005	2.76	2.65	2.55	2.44	2.33	2.22	2.12	2.01	1.90	1.80	1.69	1.59	1.49	1.39	1.29	1.19	1.10	1.00
2006	4.30	4.17	4.04	3.91	3.77	3.64	3.50	3.36	3.22	3.08	2.94	2.80	2.66	2.52	2.38	2.24	2.10	1.96
2007	1.66	1.56	1.47	1.38	1.29	1.20	1.11	1.03	0.95	0.87	0.79	0.72	0.65	0.59	0.52	0.46	0.41	0.36
2008	4.94	4.82	4.70	4.58	4.45	4.33	4.20	4.06	3.93	3.80	3.66	3.52	3.38	3.24	3.10	2.95	2.81	2.66
2009	4.81	4.67	4.53	4.38	4.24	4.09	3.95	3.80	3.65	3.50	3.35	3.19	3.04	2.89	2.73	2.58	2.43	2.27
2010	3.52	3.47	3.42	3.37	3.32	3.26	3.21	3.15	3.09	3.03	2.97	2.91	2.84	2.77	2.70	2.63	2.55	2.48
2011	4.59	4.45	4.31	4.17	4.02	3.88	3.74	3.59	3.44	3.30	3.15	3.00	2.85	2.70	2.55	2.40	2.26	2.11
2012	3.61	3.52	3.43	3.33	3.24	3.14	3.04	2.94	2.84	2.74	2.64	2.53	2.43	2.32	2.21	2.10	1.99	1.89
2013	2.34	2.23	2.11	2.00	1.89	1.78	1.67	1.56	1.46	1.35	1.25	1.16	1.06	0.97	0.88	0.80	0.72	0.64
2014	3.16	2.99	2.82	2.66	2.49	2.33	2.18	2.02	1.88	1.73	1.59	1.46	1.33	1.20	1.08	0.97	0.86	0.76
2015	3.67	3.52	3.37	3.21	3.06	2.91	2.75	2.60	2.46	2.31	2.16	2.02	1.88	1.74	1.61	1.48	1.35	1.23
2016	3.30	3.17	3.03	2.89	2.76	2.62	2.48	2.35	2.22	2.09	1.96	1.83	1.70	1.58	1.46	1.34	1.23	1.12
2017	4.45	4.32	4.18	4.04	3.91	3.77	3.62	3.48	3.34	3.20	3.05	2.91	2.76	2.61	2.47	2.32	2.18	2.04
2018	1.33	1.29	1.24	1.20	1.16	1.12	1.07	1.03	0.98	0.94	0.89	0.85	0.80	0.76	0.72	0.67	0.63	0.58

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	0.67	0.61	0.55	0.49	0.43	0.38	0.33	0.29	0.25	0.21	0.17	0.14	0.11	0.09	0.07	0.05	0.04	0.03
1990	0.14	0.12	0.10	0.08	0.06	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	1.34	1.27	1.19	1.11	1.04	0.96	0.89	0.81	0.74	0.67	0.60	0.54	0.47	0.41	0.36	0.31	0.26	0.21
1992	2.88	2.71	2.54	2.37	2.20	2.04	1.87	1.71	1.56	1.40	1.26	1.12	0.98	0.85	0.73	0.62	0.52	0.43
1993	1.86	1.72	1.58	1.45	1.32	1.20	1.07	0.96	0.85	0.74	0.64	0.55	0.47	0.39	0.32	0.26	0.21	0.16
1994	1.50	1.43	1.35	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
1995	1.64	1.55	1.45	1.36	1.27	1.18	1.09	1.00	0.91	0.83	0.75	0.67	0.59	0.52	0.45	0.38	0.32	0.27
1996	0.57	0.50	0.44	0.38	0.33	0.28	0.24	0.20	0.16	0.13	0.10	0.08	0.06	0.05	0.03	0.02	0.02	0.01
1997	2.66	2.51	2.37	2.22	2.08	1.93	1.79	1.65	1.51	1.37	1.24	1.11	0.99	0.87	0.76	0.65	0.55	0.46
1998	2.82	2.64	2.45	2.27	2.08	1.91	1.73	1.57	1.41	1.25	1.10	0.96	0.83	0.71	0.60	0.50	0.41	0.33
1999	0.38	0.34	0.31	0.27	0.24	0.21	0.18	0.15	0.13	0.11	0.09	0.07	0.06	0.05	0.03	0.03	0.02	0.01
2000	0.29	0.25	0.22	0.18	0.15	0.13	0.10	0.08	0.07	0.05	0.04	0.03	0.02	0.01	0.01	0.01	0.00	0.00
2001	0.93	0.87	0.80	0.74	0.68	0.62	0.56	0.50	0.45	0.40	0.35	0.30	0.26	0.22	0.18	0.15	0.12	0.10
2002	2.18	1.99	1.81	1.64	1.48	1.32	1.17	1.02	0.89	0.76	0.65	0.55	0.45	0.37	0.29	0.23	0.18	0.13
2003	0.18	0.15	0.13	0.11	0.10	0.08	0.07	0.05	0.04	0.03	0.03	0.02	0.01	0.01	0.01	0.00	0.00	0.00
2004	1.31	1.23	1.15	1.07	0.99	0.91	0.83	0.75	0.68	0.61	0.54	0.48	0.42	0.36	0.31	0.26	0.21	0.17
2005	0.92	0.83	0.75	0.67	0.59	0.52	0.46	0.39	0.34	0.28	0.24	0.19	0.16	0.12	0.10	0.07	0.05	0.04
2006	1.82	1.69	1.56	1.43	1.30	1.18	1.06	0.95	0.84	0.74	0.64	0.55	0.47	0.39	0.33	0.26	0.21	0.17
2007	0.31	0.27	0.23	0.19	0.16	0.13	0.11	0.08	0.07	0.05	0.04	0.03	0.02	0.01	0.01	0.01	0.00	0.00
2008	2.51	2.37	2.22	2.08	1.93	1.79	1.65	1.51	1.37	1.24	1.11	0.99	0.87	0.76	0.65	0.56	0.47	0.39
2009	2.12	1.98	1.83	1.68	1.54	1.41	1.27	1.14	1.02	0.90	0.79	0.68	0.59	0.50	0.41	0.34	0.27	0.22
2010	2.40	2.32	2.24	2.16	2.07	1.98	1.89	1.80	1.71	1.61	1.52	1.42	1.33	1.23	1.13	1.04	0.94	0.85
2011	1.96	1.82	1.68	1.54	1.41	1.28	1.15	1.03	0.92	0.81	0.70	0.60	0.51	0.43	0.36	0.29	0.23	0.18
2012	1.78	1.67	1.56	1.45	1.35	1.24	1.14	1.04	0.94	0.85	0.75	0.67	0.58	0.51	0.43	0.37	0.30	0.25
2013	0.57	0.50	0.44	0.38	0.32	0.27	0.23	0.19	0.16	0.12	0.10	0.08	0.06	0.04	0.03	0.02	0.01	0.01
2014	0.67	0.58	0.50	0.43	0.36	0.30	0.25	0.20	0.16	0.13	0.10	0.07	0.05	0.04	0.03	0.02	0.01	0.01
2015	1.11	1.00	0.89	0.79	0.69	0.60	0.52	0.44	0.37	0.31	0.25	0.21	0.16	0.13	0.10	0.07	0.05	0.04
2016	1.01	0.91	0.81	0.72	0.64	0.55	0.48	0.41	0.35	0.29	0.24	0.19	0.15	0.12	0.09	0.07	0.05	0.03
2017	1.90	1.76	1.62	1.49	1.36	1.23	1.11	0.99	0.88	0.77	0.67	0.58	0.49	0.41	0.34	0.28	0.22	0.17
2018	0.54	0.50	0.46	0.42	0.38	0.34	0.31	0.27	0.24	0.21	0.18	0.15	0.13	0.11	0.09	0.07	0.05	0.04

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	0.02	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	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	0.06	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	0.35	0.28	0.22	0.17	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
1993	0.12	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	0.00	0.00	0.00
1994	0.26	0.21	0.17	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	0.38	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	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	0.10	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	0.00
2003	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
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	0.13	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	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	0.09	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	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	0.05	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
2012	0.20	0.16	0.12	0.09	0.07	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
2013	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
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	0.02	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	0.00	0.00	0.00	0.00
2016	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	0.00	0.00	0.00	0.00
2017	0.13	0.10	0.07	0.05	0.04	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
2018	0.03	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	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	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	-
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	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	-
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	-	-

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																		0.0113
2002																	0.0134	0.0137
2003																0.0203	0.0208	0.0213
2004															0.0095	0.0097	0.0100	0.0102
2005														0.0140	0.0143	0.0146	0.0149	0.0152
2006													0.0108	0.0109	0.0112	0.0114	0.0117	0.0119
2007												0.0202	0.0205	0.0209	0.0213	0.0218	0.0223	0.0227
2008										0.0083	0.0084	0.0085	0.0087	0.0088	0.0090	0.0092	0.0094	
2009									0.0098	0.0100	0.0101	0.0102	0.0104	0.0106	0.0109	0.0111	0.0114	
2010								0.0046	0.0047	0.0047	0.0048	0.0049	0.0050	0.0051	0.0052	0.0053	0.0054	
2011								0.0099	0.0100	0.0102	0.0103	0.0105	0.0106	0.0108	0.0110	0.0113	0.0115	0.0118
2012							0.0082	0.0083	0.0084	0.0085	0.0087	0.0088	0.0089	0.0091	0.0093	0.0095	0.0097	0.0099
2013						0.0159	0.0161	0.0163	0.0165	0.0167	0.0170	0.0172	0.0175	0.0178	0.0181	0.0185	0.0190	0.0194
2014					0.0172	0.0174	0.0176	0.0178	0.0180	0.0183	0.0185	0.0188	0.0191	0.0194	0.0198	0.0203	0.0207	0.0212
2015				0.0242	0.0134	0.0135	0.0137	0.0138	0.0140	0.0142	0.0144	0.0146	0.0148	0.0151	0.0154	0.0158	0.0161	0.0165
2016			0.0323	0.0239	0.0132	0.0133	0.0135	0.0137	0.0139	0.0141	0.0143	0.0145	0.0147	0.0149	0.0152	0.0156	0.0159	0.0163
2017		0.1736	0.0235	0.0174	0.0096	0.0097	0.0098	0.0100	0.0101	0.0102	0.0104	0.0105	0.0107	0.0109	0.0111	0.0114	0.0116	0.0119
2018	0.1736	0.0235	0.0174	0.0096	0.0097	0.0098	0.0100	0.0101	0.0102	0.0104	0.0105	0.0107	0.0109	0.0111	0.0114	0.0116	0.0119	0.0121

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) 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												0.0192	0.0196	0.0201	0.0205	0.0210	0.0214	0.0219
1990											0.0315	0.0322	0.0329	0.0336	0.0344	0.0351	0.0359	0.0368
1991									0.0112	0.0114	0.0116	0.0119	0.0122	0.0124	0.0127	0.0130	0.0133	
1992								0.0141	0.0143	0.0146	0.0149	0.0152	0.0155	0.0158	0.0162	0.0166	0.0169	0.0173
1993							0.0092	0.0094	0.0096	0.0098	0.0099	0.0101	0.0104	0.0106	0.0108	0.0111	0.0113	0.0116
1994						0.0102	0.0104	0.0106	0.0108	0.0110	0.0112	0.0114	0.0117	0.0119	0.0122	0.0125	0.0128	0.0131
1995					0.0207	0.0211	0.0215	0.0218	0.0222	0.0227	0.0231	0.0236	0.0241	0.0246	0.0252	0.0257	0.0263	0.0269
1996				0.0096	0.0098	0.0099	0.0101	0.0103	0.0105	0.0107	0.0109	0.0111	0.0113	0.0116	0.0119	0.0121	0.0124	0.0127
1997			0.0115	0.0117	0.0119	0.0121	0.0123	0.0126	0.0128	0.0130	0.0133	0.0136	0.0138	0.0142	0.0145	0.0148	0.0151	0.0155
1998		0.0168	0.0172	0.0175	0.0178	0.0181	0.0185	0.0188	0.0191	0.0195	0.0199	0.0203	0.0207	0.0212	0.0216	0.0221	0.0226	0.0232
1999	0.0223	0.0227	0.0232	0.0236	0.0240	0.0245	0.0249	0.0254	0.0258	0.0263	0.0268	0.0274	0.0280	0.0286	0.0292	0.0299	0.0306	0.0313
2000	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
2001	0.0140	0.0143	0.0145	0.0148	0.0151	0.0154	0.0156	0.0159	0.0162	0.0165	0.0168	0.0172	0.0175	0.0179	0.0183	0.0187	0.0192	0.0196
2002	0.0217	0.0221	0.0225	0.0230	0.0234	0.0238	0.0242	0.0247	0.0251	0.0256	0.0261	0.0266	0.0272	0.0278	0.0284	0.0291	0.0297	0.0304
2003	0.0104	0.0106	0.0108	0.0110	0.0112	0.0114	0.0116	0.0118	0.0120	0.0122	0.0125	0.0127	0.0130	0.0133	0.0136	0.0139	0.0142	0.0146
2004	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
2005	0.0122	0.0124	0.0126	0.0129	0.0131	0.0134	0.0136	0.0139	0.0141	0.0144	0.0146	0.0149	0.0153	0.0156	0.0160	0.0163	0.0167	0.0171
2006	0.0232	0.0237	0.0241	0.0246	0.0250	0.0255	0.0259	0.0264	0.0269	0.0274	0.0279	0.0285	0.0291	0.0298	0.0304	0.0311	0.0318	0.0325
2007	0.0096	0.0098	0.0100	0.0102	0.0104	0.0106	0.0108	0.0110	0.0112	0.0114	0.0116	0.0118	0.0121	0.0124	0.0126	0.0129	0.0132	0.0135
2008	0.0116	0.0118	0.0121	0.0123	0.0125	0.0127	0.0130	0.0132	0.0134	0.0137	0.0140	0.0142	0.0145	0.0149	0.0152	0.0155	0.0159	0.0163
2009	0.0055	0.0056	0.0057	0.0058	0.0059	0.0060	0.0062	0.0063	0.0064	0.0065	0.0066	0.0068	0.0069	0.0071	0.0072	0.0074	0.0075	0.0077
2010	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
2011	0.0101	0.0103	0.0105	0.0107	0.0109	0.0111	0.0113	0.0115	0.0117	0.0119	0.0121	0.0124	0.0127	0.0129	0.0132	0.0135	0.0138	0.0142
2012	0.0198	0.0202	0.0205	0.0209	0.0213	0.0217	0.0221	0.0225	0.0229	0.0233	0.0238	0.0243	0.0248	0.0253	0.0259	0.0265	0.0271	0.0277
2013	0.0216	0.0220	0.0224	0.0229	0.0233	0.0237	0.0241	0.0246	0.0250	0.0255	0.0260	0.0265	0.0271	0.0277	0.0283	0.0290	0.0296	0.0303
2014	0.0168	0.0171	0.0175	0.0178	0.0181	0.0184	0.0188	0.0191	0.0195	0.0198	0.0202	0.0206	0.0211	0.0215	0.0220	0.0225	0.0230	0.0236
2015	0.0166	0.0170	0.0173	0.0176	0.0179	0.0182	0.0186	0.0189	0.0192	0.0196	0.0200	0.0204	0.0208	0.0213	0.0218	0.0223	0.0228	0.0233
2016	0.0121	0.0124	0.0126	0.0128	0.0130	0.0133	0.0135	0.0138	0.0140	0.0143	0.0146	0.0149	0.0152	0.0155	0.0159	0.0162	0.0166	0.0170
2017	0.0124	0.0126	0.0128	0.0130	0.0133	0.0135	0.0138	0.0140	0.0143	0.0146	0.0149	0.0152	0.0155	0.0159	0.0162	0.0166	0.0170	0.0174
2018																		

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	0.0225	0.0230	0.0236	0.0242	0.0248	0.0254	0.0261	0.0269	0.0276	0.0285	0.0294	0.0303	0.0314	0.0325	0.0337	0.0349	0.0363	0.0377
1990	0.0376	0.0385	0.0395	0.0405	0.0415	0.0426	0.0438	0.0450	0.0463	0.0477	0.0492	0.0508	0.0526	0.0544	0.0564	0.0585	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	0.0140	0.0144	0.0147	0.0151	0.0155	0.0159	0.0163	0.0168	0.0173	0.0178	0.0184	0.0190	0.0196	0.0203	0.0211	0.0218	0.0227	0.0236
1993	0.0177	0.0182	0.0186	0.0191	0.0196	0.0201	0.0206	0.0212	0.0218	0.0225	0.0232	0.0240	0.0248	0.0257	0.0266	0.0276	0.0287	0.0298
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	0.0140	0.0144	0.0148	0.0151	0.0156	0.0160	0.0165	0.0170	0.0175	0.0181	0.0187	0.0193	0.0200	0.0208	0.0216	0.0225
1996	0.0276	0.0282	0.0289	0.0296	0.0304	0.0312	0.0321	0.0330	0.0339	0.0350	0.0361	0.0372	0.0385	0.0399	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	0.0175	0.0181	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	0.0261	0.0268	0.0276	0.0283	0.0292	0.0301	0.0310	0.0320	0.0331	0.0343	0.0355	0.0369	0.0383	0.0398
2000	0.0320	0.0328	0.0336	0.0344	0.0353	0.0362	0.0372	0.0383	0.0394	0.0406	0.0419	0.0432	0.0447	0.0463	0.0480	0.0498	0.0517	0.0537
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	0.0257	0.0267	0.0278
2002	0.0201	0.0206	0.0211	0.0216	0.0221	0.0227	0.0234	0.0240	0.0247	0.0255	0.0263	0.0271	0.0280	0.0290	0.0301	0.0312	0.0324	0.0337
2003	0.0311	0.0319	0.0327	0.0335	0.0344	0.0353	0.0362	0.0372	0.0383	0.0395	0.0407	0.0421	0.0435	0.0450	0.0467	0.0484	0.0503	0.0523
2004	0.0149	0.0153	0.0156	0.0160	0.0164	0.0169	0.0173	0.0178	0.0183	0.0189	0.0195	0.0201	0.0208	0.0216	0.0223	0.0232	0.0241	0.0250
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	0.0175	0.0179	0.0183	0.0188	0.0193	0.0198	0.0203	0.0209	0.0215	0.0222	0.0229	0.0236	0.0244	0.0253	0.0262	0.0272	0.0282	0.0293
2007	0.0333	0.0341	0.0350	0.0358	0.0367	0.0377	0.0387	0.0398	0.0410	0.0423	0.0436	0.0450	0.0465	0.0482	0.0499	0.0518	0.0538	0.0559
2008	0.0138	0.0142	0.0145	0.0149	0.0153	0.0157	0.0161	0.0165	0.0170	0.0176	0.0181	0.0187	0.0193	0.0200	0.0207	0.0215	0.0224	0.0232
2009	0.0167	0.0171	0.0175	0.0179	0.0184	0.0189	0.0194	0.0199	0.0205	0.0211	0.0218	0.0225	0.0233	0.0241	0.0250	0.0259	0.0269	0.0280
2010	0.0079	0.0081	0.0083	0.0085	0.0087	0.0089	0.0092	0.0095	0.0097	0.0100	0.0103	0.0107	0.0110	0.0114	0.0118	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	0.0145	0.0149	0.0152	0.0156	0.0160	0.0164	0.0169	0.0173	0.0178	0.0184	0.0190	0.0196	0.0203	0.0210	0.0217	0.0226	0.0234	0.0243
2013	0.0284	0.0291	0.0298	0.0305	0.0313	0.0321	0.0330	0.0339	0.0349	0.0360	0.0371	0.0383	0.0396	0.0410	0.0425	0.0441	0.0458	0.0477
2014	0.0310	0.0318	0.0325	0.0334	0.0342	0.0351	0.0361	0.0371	0.0382	0.0393	0.0406	0.0419	0.0433	0.0448	0.0465	0.0482	0.0501	0.0521
2015	0.0241	0.0247	0.0253	0.0259	0.0266	0.0273	0.0281	0.0288	0.0297	0.0306	0.0316	0.0326	0.0337	0.0349	0.0362	0.0375	0.0390	0.0405
2016	0.0238	0.0244	0.0250	0.0257	0.0263	0.0270	0.0277	0.0285	0.0294	0.0303	0.0312	0.0322	0.0333	0.0345	0.0357	0.0371	0.0385	0.0401
2017	0.0174	0.0178	0.0182	0.0187	0.0192	0.0197	0.0202	0.0208	0.0214	0.0220	0.0227	0.0235	0.0243	0.0251	0.0261	0.0270	0.0281	0.0292
2018	0.0178	0.0182	0.0187	0.0192	0.0197	0.0202	0.0208	0.0214	0.0220	0.0227	0.0235	0.0243	0.0251	0.0261	0.0270	0.0281	0.0292	0.0304

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	0.0392	0.0408	0.0426	0.0444	0.0464	0.0485	0.0507	0.0531	0.0557	0.0585	0.0615	0.0647	0.0682	0.0719	0.0759	0.0800	0.0844	0.0892
1990	0.0657	0.0684	0.0713	0.0744	0.0777	0.0812	0.0850	0.0890	0.0933	0.0980	0.1030	0.1084	0.1143	0.1205	0.1271	0.1340	0.1414	0.1494
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	0.0460	0.0485	0.0511	0.0540
1992	0.0245	0.0255	0.0266	0.0278	0.0290	0.0303	0.0317	0.0332	0.0348	0.0366	0.0384	0.0405	0.0426	0.0450	0.0474	0.0500	0.0528	0.0558
1993	0.0310	0.0323	0.0336	0.0351	0.0366	0.0383	0.0401	0.0420	0.0440	0.0462	0.0486	0.0511	0.0539	0.0568	0.0599	0.0632	0.0667	0.0704
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	0.0423	0.0446	0.0471
1995	0.0234	0.0243	0.0253	0.0264	0.0276	0.0289	0.0302	0.0316	0.0332	0.0348	0.0366	0.0385	0.0406	0.0428	0.0452	0.0476	0.0503	0.0531
1996	0.0481	0.0501	0.0522	0.0545	0.0569	0.0595	0.0622	0.0652	0.0683	0.0718	0.0754	0.0794	0.0837	0.0883	0.0931	0.0982	0.1036	0.1094
1997	0.0227	0.0236	0.0246	0.0257	0.0268	0.0280	0.0293	0.0307	0.0322	0.0338	0.0356	0.0374	0.0394	0.0416	0.0439	0.0463	0.0488	0.0516
1998	0.0277	0.0288	0.0300	0.0313	0.0327	0.0342	0.0358	0.0375	0.0393	0.0413	0.0434	0.0456	0.0481	0.0507	0.0535	0.0564	0.0595	0.0629
1999	0.0414	0.0431	0.0449	0.0469	0.0489	0.0511	0.0535	0.0560	0.0588	0.0617	0.0649	0.0683	0.0720	0.0759	0.0800	0.0844	0.0891	0.0941
2000	0.0559	0.0582	0.0606	0.0632	0.0660	0.0690	0.0722	0.0757	0.0793	0.0833	0.0876	0.0922	0.0971	0.1024	0.1080	0.1139	0.1202	0.1270
2001	0.0289	0.0301	0.0314	0.0327	0.0342	0.0357	0.0374	0.0391	0.0411	0.0431	0.0453	0.0477	0.0503	0.0530	0.0559	0.0590	0.0622	0.0657
2002	0.0351	0.0365	0.0380	0.0397	0.0415	0.0433	0.0453	0.0475	0.0498	0.0523	0.0550	0.0579	0.0610	0.0643	0.0678	0.0715	0.0755	0.0797
2003	0.0544	0.0566	0.0590	0.0616	0.0643	0.0672	0.0703	0.0736	0.0772	0.0811	0.0853	0.0897	0.0946	0.0997	0.1052	0.1109	0.1170	0.1237
2004	0.0260	0.0271	0.0282	0.0295	0.0308	0.0322	0.0337	0.0352	0.0370	0.0388	0.0408	0.0429	0.0453	0.0477	0.0503	0.0531	0.0560	0.0592
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	0.0715	0.0754	0.0795	0.0838	0.0886
2006	0.0305	0.0318	0.0331	0.0345	0.0361	0.0377	0.0395	0.0413	0.0433	0.0455	0.0478	0.0503	0.0531	0.0560	0.0590	0.0622	0.0657	0.0694
2007	0.0582	0.0606	0.0631	0.0659	0.0688	0.0719	0.0752	0.0788	0.0826	0.0867	0.0912	0.0960	0.1012	0.1067	0.1125	0.1186	0.1252	0.1323
2008	0.0242	0.0252	0.0262	0.0274	0.0286	0.0299	0.0312	0.0327	0.0343	0.0360	0.0379	0.0399	0.0420	0.0443	0.0467	0.0493	0.0520	0.0549
2009	0.0291	0.0303	0.0315	0.0329	0.0344	0.0359	0.0376	0.0394	0.0413	0.0434	0.0456	0.0480	0.0506	0.0533	0.0562	0.0593	0.0626	0.0661
2010	0.0138	0.0144	0.0150	0.0156	0.0163	0.0171	0.0178	0.0187	0.0196	0.0206	0.0216	0.0228	0.0240	0.0253	0.0267	0.0281	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	0.0685
2012	0.0253	0.0264	0.0275	0.0287	0.0299	0.0313	0.0327	0.0343	0.0360	0.0378	0.0397	0.0418	0.0440	0.0464	0.0490	0.0516	0.0545	0.0576
2013	0.0496	0.0516	0.0538	0.0561	0.0586	0.0612	0.0641	0.0671	0.0704	0.0739	0.0777	0.0818	0.0862	0.0909	0.0958	0.1011	0.1066	0.1127
2014	0.0542	0.0564	0.0588	0.0613	0.0640	0.0669	0.0700	0.0733	0.0769	0.0807	0.0849	0.0893	0.0941	0.0993	0.1047	0.1104	0.1165	0.1231
2015	0.0421	0.0439	0.0457	0.0477	0.0498	0.0521	0.0545	0.0570	0.0598	0.0628	0.0660	0.0695	0.0732	0.0772	0.0815	0.0859	0.0906	0.0958
2016	0.0417	0.0434	0.0452	0.0471	0.0492	0.0515	0.0538	0.0564	0.0591	0.0621	0.0653	0.0687	0.0724	0.0764	0.0805	0.0849	0.0896	0.0947
2017	0.0304	0.0316	0.0329	0.0344	0.0359	0.0375	0.0392	0.0411	0.0431	0.0453	0.0476	0.0501	0.0528	0.0557	0.0587	0.0619	0.0653	0.0690
2018	0.0316	0.0329	0.0344	0.0359	0.0375	0.0392	0.0411	0.0431	0.0453	0.0476	0.0501	0.0528	0.0557	0.0587	0.0619	0.0653	0.0690	0.0731

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	0.0944	0.1001	0.1063	0.1130	0.1204	0.1284	0.1371	0.1464	0.1566	0.1676	0.1798	0.1930	0.2075	0.2232	0.2404	0.2590	0.2793	0.3012
1990	0.1582	0.1677	0.1781	0.1894	0.2018	0.2152	0.2297	0.2454	0.2623	0.2809	0.3012	0.3234	0.3476	0.3740	0.4028	0.4340	0.4680	0.5047
1991	0.0572	0.0606	0.0644	0.0685	0.0730	0.0778	0.0831	0.0887	0.0948	0.1016	0.1089	0.1169	0.1257	0.1352	0.1456	0.1569	0.1692	0.1825
1992	0.0590	0.0626	0.0665	0.0707	0.0753	0.0803	0.0857	0.0916	0.0979	0.1048	0.1124	0.1207	0.1297	0.1396	0.1503	0.1620	0.1746	0.1884
1993	0.0746	0.0791	0.0840	0.0893	0.0951	0.1015	0.1083	0.1157	0.1237	0.1324	0.1420	0.1525	0.1639	0.1763	0.1899	0.2046	0.2206	0.2380
1994	0.0499	0.0529	0.0562	0.0597	0.0636	0.0679	0.0724	0.0774	0.0827	0.0885	0.0950	0.1020	0.1096	0.1179	0.1270	0.1368	0.1475	0.1591
1995	0.0562	0.0596	0.0633	0.0673	0.0717	0.0765	0.0816	0.0872	0.0932	0.0998	0.1070	0.1149	0.1235	0.1329	0.1431	0.1542	0.1663	0.1794
1996	0.1159	0.1228	0.1304	0.1387	0.1478	0.1576	0.1682	0.1797	0.1921	0.2057	0.2206	0.2369	0.2546	0.2739	0.2950	0.3178	0.3427	0.3696
1997	0.0546	0.0579	0.0615	0.0654	0.0696	0.0743	0.0793	0.0847	0.0905	0.0969	0.1040	0.1116	0.1200	0.1291	0.1390	0.1498	0.1615	0.1742
1998	0.0666	0.0706	0.0750	0.0798	0.0850	0.0906	0.0967	0.1033	0.1104	0.1183	0.1268	0.1362	0.1464	0.1575	0.1696	0.1827	0.1970	0.2125
1999	0.0996	0.1056	0.1122	0.1193	0.1271	0.1356	0.1447	0.1545	0.1652	0.1769	0.1897	0.2037	0.2189	0.2356	0.2537	0.2733	0.2947	0.3179
2000	0.1345	0.1426	0.1514	0.1610	0.1715	0.1830	0.1953	0.2086	0.2230	0.2388	0.2561	0.2749	0.2955	0.3180	0.3424	0.3690	0.3978	0.4291
2001	0.0696	0.0738	0.0784	0.0833	0.0888	0.0947	0.1011	0.1079	0.1154	0.1236	0.1325	0.1423	0.1529	0.1645	0.1772	0.1909	0.2058	0.2220
2002	0.0844	0.0895	0.0950	0.1011	0.1077	0.1148	0.1226	0.1309	0.1400	0.1499	0.1607	0.1726	0.1855	0.1996	0.2149	0.2316	0.2497	0.2693
2003	0.1309	0.1388	0.1474	0.1568	0.1670	0.1781	0.1901	0.2031	0.2171	0.2324	0.2493	0.2676	0.2877	0.3095	0.3333	0.3592	0.3872	0.4177
2004	0.0627	0.0664	0.0705	0.0750	0.0799	0.0852	0.0910	0.0972	0.1039	0.1113	0.1193	0.1281	0.1377	0.1481	0.1595	0.1719	0.1853	0.1999
2005	0.0938	0.0994	0.1056	0.1123	0.1196	0.1276	0.1362	0.1455	0.1555	0.1665	0.1786	0.1918	0.2061	0.2218	0.2388	0.2573	0.2774	0.2993
2006	0.0735	0.0779	0.0827	0.0880	0.0937	0.0999	0.1067	0.1139	0.1218	0.1304	0.1399	0.1502	0.1614	0.1737	0.1870	0.2015	0.2173	0.2344
2007	0.1400	0.1485	0.1577	0.1677	0.1786	0.1905	0.2034	0.2172	0.2322	0.2487	0.2667	0.2863	0.3077	0.3311	0.3566	0.3842	0.4143	0.4468
2008	0.0582	0.0617	0.0655	0.0697	0.0742	0.0791	0.0845	0.0902	0.0965	0.1033	0.1108	0.1189	0.1278	0.1375	0.1481	0.1596	0.1721	0.1856
2009	0.0700	0.0742	0.0788	0.0838	0.0893	0.0952	0.1016	0.1086	0.1161	0.1243	0.1333	0.1431	0.1538	0.1655	0.1782	0.1920	0.2070	0.2233
2010	0.0332	0.0352	0.0374	0.0398	0.0424	0.0452	0.0482	0.0515	0.0551	0.0590	0.0633	0.0679	0.0730	0.0786	0.0846	0.0912	0.0983	0.1060
2011	0.0726	0.0769	0.0817	0.0869	0.0926	0.0987	0.1054	0.1126	0.1203	0.1289	0.1382	0.1484	0.1595	0.1716	0.1848	0.1991	0.2147	0.2316
2012	0.0609	0.0646	0.0686	0.0730	0.0777	0.0829	0.0885	0.0945	0.1011	0.1082	0.1160	0.1246	0.1339	0.1441	0.1552	0.1672	0.1803	0.1945
2013	0.1193	0.1265	0.1343	0.1428	0.1522	0.1623	0.1732	0.1850	0.1978	0.2118	0.2271	0.2439	0.2621	0.2820	0.3037	0.3273	0.3528	0.3806
2014	0.1303	0.1382	0.1468	0.1561	0.1663	0.1773	0.1893	0.2022	0.2162	0.2314	0.2482	0.2665	0.2864	0.3082	0.3319	0.3576	0.3856	0.4159
2015	0.1014	0.1075	0.1142	0.1214	0.1293	0.1380	0.1473	0.1573	0.1682	0.1801	0.1931	0.2073	0.2228	0.2398	0.2582	0.2782	0.3000	0.3235
2016	0.1003	0.1063	0.1129	0.1201	0.1279	0.1364	0.1456	0.1555	0.1663	0.1780	0.1909	0.2050	0.2203	0.2370	0.2552	0.2751	0.2966	0.3199
2017	0.0731	0.0775	0.0823	0.0875	0.0932	0.0994	0.1061	0.1133	0.1212	0.1297	0.1391	0.1494	0.1605	0.1727	0.1860	0.2004	0.2161	0.2331
2018	0.0775	0.0823	0.0875	0.0932	0.0994	0.1061	0.1133	0.1212	0.1297	0.1391	0.1494	0.1605	0.1727	0.1860	0.2004	0.2161	0.2331	0.2515

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	0.3250	0.3506	0.3783	0.4080	0.4397	0.4735	0.5088	0.5455	0.5835	0.6230	0.6643	0.6886	0.6886	0.6886	0.6886	0.6886	0.6886	0.6886
1990	0.5446	0.5875	0.6339	0.6836	0.7369	0.7935	0.8526	0.9141	0.9778	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1991	0.1969	0.2124	0.2292	0.2472	0.2664	0.2869	0.3083	0.3305	0.3535	0.3774	0.4025	0.4172	0.4172	0.4172	0.4172	0.4172	0.4172	0.4172
1992	0.2032	0.2193	0.2366	0.2551	0.2750	0.2961	0.3182	0.3411	0.3649	0.3896	0.4154	0.4306	0.4306	0.4306	0.4306	0.4306	0.4306	0.4306
1993	0.2567	0.2770	0.2988	0.3223	0.3474	0.3741	0.4020	0.4310	0.4610	0.4922	0.5248	0.5440	0.5440	0.5440	0.5440	0.5440	0.5440	0.5440
1994	0.1717	0.1852	0.1998	0.2155	0.2323	0.2501	0.2688	0.2882	0.3083	0.3291	0.3509	0.3638	0.3638	0.3638	0.3638	0.3638	0.3638	0.3638
1995	0.1935	0.2088	0.2252	0.2429	0.2618	0.2820	0.3030	0.3248	0.3475	0.3710	0.3956	0.4100	0.4100	0.4100	0.4100	0.4100	0.4100	0.4100
1996	0.3988	0.4303	0.4642	0.5006	0.5396	0.5811	0.6244	0.6694	0.7161	0.7646	0.8152	0.8451	0.8451	0.8451	0.8451	0.8451	0.8451	0.8451
1997	0.1879	0.2028	0.2188	0.2359	0.2543	0.2739	0.2943	0.3155	0.3375	0.3603	0.3842	0.3982	0.3982	0.3982	0.3982	0.3982	0.3982	0.3982
1998	0.2293	0.2474	0.2669	0.2878	0.3102	0.3341	0.3590	0.3848	0.4117	0.4395	0.4687	0.4858	0.4858	0.4858	0.4858	0.4858	0.4858	0.4858
1999	0.3430	0.3700	0.3992	0.4305	0.4641	0.4998	0.5370	0.5757	0.6158	0.6575	0.7011	0.7267	0.7267	0.7267	0.7267	0.7267	0.7267	0.7267
2000	0.4629	0.4995	0.5389	0.5811	0.6264	0.6746	0.7248	0.7771	0.8313	0.8875	0.9463	0.9809	0.9809	0.9809	0.9809	0.9809	0.9809	0.9809
2001	0.2395	0.2584	0.2788	0.3007	0.3241	0.3490	0.3750	0.4021	0.4301	0.4592	0.4897	0.5076	0.5076	0.5076	0.5076	0.5076	0.5076	0.5076
2002	0.2906	0.3135	0.3382	0.3648	0.3932	0.4234	0.4549	0.4877	0.5217	0.5570	0.5940	0.6157	0.6157	0.6157	0.6157	0.6157	0.6157	0.6157
2003	0.4506	0.4862	0.5245	0.5657	0.6098	0.6567	0.7056	0.7564	0.8092	0.8639	0.9212	0.9549	0.9549	0.9549	0.9549	0.9549	0.9549	0.9549
2004	0.2157	0.2327	0.2510	0.2708	0.2918	0.3143	0.3377	0.3620	0.3873	0.4135	0.4409	0.4570	0.4570	0.4570	0.4570	0.4570	0.4570	0.4570
2005	0.3229	0.3484	0.3758	0.4053	0.4369	0.4705	0.5055	0.5420	0.5797	0.6190	0.6600	0.6841	0.6841	0.6841	0.6841	0.6841	0.6841	0.6841
2006	0.2529	0.2728	0.2944	0.3175	0.3422	0.3685	0.3959	0.4245	0.4541	0.4848	0.5169	0.5358	0.5358	0.5358	0.5358	0.5358	0.5358	0.5358
2007	0.4821	0.5201	0.5611	0.6052	0.6523	0.7025	0.7548	0.8092	0.8656	0.9242	0.9855	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2008	0.2002	0.2160	0.2331	0.2514	0.2709	0.2918	0.3135	0.3361	0.3595	0.3839	0.4093	0.4243	0.4243	0.4243	0.4243	0.4243	0.4243	0.4243
2009	0.2409	0.2600	0.2805	0.3025	0.3260	0.3511	0.3772	0.4044	0.4326	0.4619	0.4925	0.5105	0.5105	0.5105	0.5105	0.5105	0.5105	0.5105
2010	0.1144	0.1234	0.1331	0.1436	0.1548	0.1667	0.1791	0.1920	0.2054	0.2193	0.2338	0.2423	0.2423	0.2423	0.2423	0.2423	0.2423	0.2423
2011	0.2498	0.2695	0.2908	0.3136	0.3380	0.3640	0.3911	0.4193	0.4486	0.4789	0.5107	0.5294	0.5294	0.5294	0.5294	0.5294	0.5294	0.5294
2012	0.2098	0.2264	0.2442	0.2634	0.2839	0.3057	0.3285	0.3522	0.3767	0.4022	0.4289	0.4445	0.4445	0.4445	0.4445	0.4445	0.4445	0.4445
2013	0.4106	0.4430	0.4779	0.5155	0.5556	0.5983	0.6429	0.6892	0.7373	0.7872	0.8394	0.8701	0.8701	0.8701	0.8701	0.8701	0.8701	0.8701
2014	0.4487	0.4841	0.5223	0.5633	0.6071	0.6538	0.7025	0.7532	0.8057	0.8602	0.9172	0.9508	0.9508	0.9508	0.9508	0.9508	0.9508	0.9508
2015	0.3491	0.3766	0.4063	0.4382	0.4723	0.5086	0.5465	0.5859	0.6268	0.6692	0.7136	0.7397	0.7397	0.7397	0.7397	0.7397	0.7397	0.7397
2016	0.3451	0.3723	0.4017	0.4332	0.4670	0.5029	0.5403	0.5793	0.6197	0.6616	0.7055	0.7313	0.7313	0.7313	0.7313	0.7313	0.7313	0.7313
2017	0.2515	0.2713	0.2927	0.3157	0.3403	0.3665	0.3938	0.4222	0.4516	0.4821	0.5141	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329
2018	0.2713	0.2927	0.3157	0.3403	0.3665	0.3938	0.4222	0.4516	0.4821	0.5141	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329

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	0.6886	0.6886	0.6886	0.6886	0.6886	0.6886	0.6886	0.6886	0.6886	0.6886	0.6886	0.6886	0.6886	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	0.4172	0.4172	0.4172	0.4172	0.4172	0.4172	0.4172	0.4172	0.4172	0.4172	0.4172	0.4172	0.4172	0.4172	1.0000
1992	0.4306	0.4306	0.4306	0.4306	0.4306	0.4306	0.4306	0.4306	0.4306	0.4306	0.4306	0.4306	0.4306	0.4306	1.0000
1993	0.5440	0.5440	0.5440	0.5440	0.5440	0.5440	0.5440	0.5440	0.5440	0.5440	0.5440	0.5440	0.5440	0.5440	1.0000
1994	0.3638	0.3638	0.3638	0.3638	0.3638	0.3638	0.3638	0.3638	0.3638	0.3638	0.3638	0.3638	0.3638	0.3638	1.0000
1995	0.4100	0.4100	0.4100	0.4100	0.4100	0.4100	0.4100	0.4100	0.4100	0.4100	0.4100	0.4100	0.4100	0.4100	1.0000
1996	0.8451	0.8451	0.8451	0.8451	0.8451	0.8451	0.8451	0.8451	0.8451	0.8451	0.8451	0.8451	0.8451	0.8451	1.0000
1997	0.3982	0.3982	0.3982	0.3982	0.3982	0.3982	0.3982	0.3982	0.3982	0.3982	0.3982	0.3982	0.3982	0.3982	1.0000
1998	0.4858	0.4858	0.4858	0.4858	0.4858	0.4858	0.4858	0.4858	0.4858	0.4858	0.4858	0.4858	0.4858	0.4858	1.0000
1999	0.7267	0.7267	0.7267	0.7267	0.7267	0.7267	0.7267	0.7267	0.7267	0.7267	0.7267	0.7267	0.7267	0.7267	1.0000
2000	0.9809	0.9809	0.9809	0.9809	0.9809	0.9809	0.9809	0.9809	0.9809	0.9809	0.9809	0.9809	0.9809	0.9809	1.0000
2001	0.5076	0.5076	0.5076	0.5076	0.5076	0.5076	0.5076	0.5076	0.5076	0.5076	0.5076	0.5076	0.5076	0.5076	1.0000
2002	0.6157	0.6157	0.6157	0.6157	0.6157	0.6157	0.6157	0.6157	0.6157	0.6157	0.6157	0.6157	0.6157	0.6157	1.0000
2003	0.9549	0.9549	0.9549	0.9549	0.9549	0.9549	0.9549	0.9549	0.9549	0.9549	0.9549	0.9549	0.9549	0.9549	1.0000
2004	0.4570	0.4570	0.4570	0.4570	0.4570	0.4570	0.4570	0.4570	0.4570	0.4570	0.4570	0.4570	0.4570	0.4570	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	0.5358	0.5358	0.5358	0.5358	0.5358	0.5358	0.5358	0.5358	0.5358	0.5358	0.5358	0.5358	0.5358	0.5358	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	0.4243	0.4243	0.4243	0.4243	0.4243	0.4243	0.4243	0.4243	0.4243	0.4243	0.4243	0.4243	0.4243	0.4243	1.0000
2009	0.5105	0.5105	0.5105	0.5105	0.5105	0.5105	0.5105	0.5105	0.5105	0.5105	0.5105	0.5105	0.5105	0.5105	1.0000
2010	0.2423	0.2423	0.2423	0.2423	0.2423	0.2423	0.2423	0.2423	0.2423	0.2423	0.2423	0.2423	0.2423	0.2423	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	0.4445	0.4445	0.4445	0.4445	0.4445	0.4445	0.4445	0.4445	0.4445	0.4445	0.4445	0.4445	0.4445	0.4445	1.0000
2013	0.8701	0.8701	0.8701	0.8701	0.8701	0.8701	0.8701	0.8701	0.8701	0.8701	0.8701	0.8701	0.8701	0.8701	1.0000
2014	0.9508	0.9508	0.9508	0.9508	0.9508	0.9508	0.9508	0.9508	0.9508	0.9508	0.9508	0.9508	0.9508	0.9508	1.0000
2015	0.7397	0.7397	0.7397	0.7397	0.7397	0.7397	0.7397	0.7397	0.7397	0.7397	0.7397	0.7397	0.7397	0.7397	1.0000
2016	0.7313	0.7313	0.7313	0.7313	0.7313	0.7313	0.7313	0.7313	0.7313	0.7313	0.7313	0.7313	0.7313	0.7313	1.0000
2017	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	1.0000
2018	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	0.5329	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) - 2018 Cost Level (a)**

Year of Birth	3	15	27	39	51	63	75	87	99	111	123	135	147	159	171	183
1989				260,872	148,603	162,684	81,099	63,013	74,582	102,775	57,479	69,651	293,589	52,081	111,740	84,631
1990			184,751	118,166	11,566	61,816	38,587	29,795	16,527	21,713	13,713	13,581	19,307	26,478	45,617	50,323
1991		3,082	316,797	18,239	142,232	108,842	46,077	31,298	16,163	12,460	36,162	32,507	44,945	38,865	37,171	44,503
1992		8,408	85,678	78,362	102,932	47,374	38,225	30,263	28,014	22,920	27,247	31,021	42,434	38,658	36,807	38,459
1993		1,251	62,812	92,776	74,750	109,797	91,976	99,486	94,270	96,386	99,657	87,012	77,721	98,888	103,749	87,332
1994		138,821	385,106	135,439	112,228	59,797	146,374	55,980	87,037	62,569	18,484	74,559	162,835	20,641	23,254	47,450
1995			59,772	142,535	94,131	17,249	22,598	38,691	23,963	51,623	57,606	178,138	66,368	89,837	100,589	26,404
1996		2,994	291,002	76,136	146,456	63,042	150,437	97,668	59,021	67,442	70,415	57,946	69,441	60,409	67,385	79,137
1997		17,104	110,761	64,118	55,325	69,651	99,243	57,615	44,390	46,123	31,722	55,052	73,153	82,230	71,527	72,920
1998		11,420	140,718	116,676	85,165	59,562	46,011	140,096	62,369	75,903	57,226	78,679	80,746	91,522	91,343	88,332
1999		232,578	205,747	137,191	107,283	97,971	74,499	61,134	114,925	162,871	110,130	95,645	118,448	126,748	92,930	135,029
2000		216,524	164,805	138,739	122,257	72,122	50,875	34,460	42,646	38,146	33,799	65,790	51,422	49,492	66,182	64,349
2001			496,398	414,575	284,192	127,950	267,846	143,160	86,911	66,098	81,237	85,489	95,373	121,440	115,575	136,328
2002		79,052	142,882	82,729	67,155	80,357	51,699	107,262	69,241	69,916	61,226	74,248	92,225	77,536	82,090	83,768
2003				65,381	46,548	129,019	216,317	65,086	62,360	98,906	97,459	88,935	139,582	151,733	128,974	124,484
2004		4,782	150,192	255,845	143,082	68,028	102,421	84,782	80,038	40,869	68,712	69,755	65,508	59,381	61,910	
2005		30	5,806	133,580	93,832	62,422	126,164	77,873	70,673	63,535	68,068	66,004	65,302	73,083		
2006		2,336	115,701	72,125	114,816	78,834	189,615	85,564	72,839	62,488	62,869	72,616	83,525			
2007			179,831	132,401	162,059	111,101	136,468	119,119	112,349	117,798	113,559	125,321				
2008		6,259	82,825	82,952	77,800	43,396	39,494	59,895	65,755	72,217	86,916					
2009		357,567	71,301	135,953	107,816	55,231	57,187	80,456	138,151	57,862						
2010		125,493	325,436	31,414	109,268	40,036	27,526	50,576	37,141							
2011		9,239	34,659	114,854	47,664	81,188	70,221	65,894								
2012		11,531	82,670	109,401	103,014	59,648	39,463									
2013		68,364	160,101	175,940	101,187	77,865										
2014		56,550	102,041	82,026	116,678											
2015		617	175,336	102,342												
2016			71,432													
2017		85,371														
2018																
Averages:																
Latest 3		179,754	114,246	109,406	108,829	74,094	49,722	68,655	88,991	80,113	85,904	86,060	73,161	84,246	83,897	100,387
Latest 5		105,705	120,653	110,520	93,243	64,509	49,079	76,007	89,580	73,399	80,498	83,782	85,428	85,907	85,127	100,155
Latest 10	60	91,766	115,895	103,318	100,989	68,397	95,203	82,916	81,792	68,991	76,918	81,057	84,551	85,122	84,690	83,599
All	60	90,348	132,073	114,431	98,285	76,008	84,456	76,256	68,744	68,498	63,121	72,823	86,352	73,460	76,416	75,659
Cumulative	85,123	85,154	85,079	83,227	80,899	79,366	79,684	79,196	79,513	80,706	82,146	84,480	85,975	85,924	87,698	89,407
<b>Selected</b>		<b>91,766</b>	<b>115,895</b>	<b>103,318</b>	<b>100,989</b>	<b>68,397</b>	<b>95,203</b>	<b>82,916</b>	<b>81,792</b>	<b>68,991</b>	<b>76,918</b>	<b>81,057</b>	<b>84,551</b>	<b>85,122</b>	<b>84,690</b>	<b>83,599</b>

Note (a): Ratio of 2018 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) - 2018 Cost Level (a)**

Year of Birth	195	207	219	231	243	255	267	279	291	303	315	327	339	351
1989	96,780	104,555	90,900	78,381	47,775	60,284	57,955	94,044	87,692	119,620	112,913	129,591	138,320	80,978
1990	63,995	70,186	38,483	31,646	28,871	37,672	31,418	38,303	62,318	105,319	68,104	63,517	64,672	
1991	43,832	90,933	155,103	135,622	136,904	106,849	245,291	123,868	141,459	126,828	126,209	147,828		
1992	44,299	49,400	58,823	81,623	73,274	62,512	99,923	101,623	94,137	93,470	102,255			
1993	96,961	88,725	104,192	94,914	107,623	131,900	123,029	108,959	109,762	102,481				
1994	39,582	45,515	37,074	36,707	58,419	67,716	63,424	63,033	70,137					
1995	283,331	67,708	74,379	127,218	132,085	125,378	148,849	118,270						
1996	79,698	55,319	66,447	66,085	66,802	72,853	77,003							
1997	113,285	77,405	68,073	74,391	73,010	64,612								
1998	117,745	107,835	107,210	111,556	116,607									
1999	167,599	126,170	122,624	130,338										
2000	54,807	62,651	61,719											
2001	112,666	109,148												
2002	77,320													
2003														
2004														
2005														
2006														
2007														
2008														
2009														
2010														
2011														
2012														
2013														
2014														
2015														
2016														
2017														
2018														
Averages:														
Latest 3	78,630	96,502	99,315	101,079	90,703	83,206	97,330	100,891	95,518	103,257	101,840			
Latest 5	100,347	95,993	86,539	98,747	92,990	93,773	104,484	104,174	97,275					
Latest 10	109,452	79,153	85,114	89,956										
All	96,293	80,769	82,984	89,105	87,251	82,058	105,336	96,120	95,866	106,291	104,477	119,152	106,757	80,978
Cumulative	91,629	90,793	92,575	94,463	95,646	97,848	102,229	101,271	103,149	106,541	106,705	108,740	97,382	80,978
<b>Selected</b>	<b>96,293</b>	<b>90,793</b>	<b>92,575</b>	<b>94,463</b>	<b>95,646</b>	<b>97,848</b>	<b>102,229</b>	<b>101,271</b>	<b>103,149</b>	<b>105,000</b>	<b>105,000</b>	<b>105,000</b>	<b>105,000</b>	<b>105,000</b>

Note (a): Ratio of 2018 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	-	-	2	8	8	9	8	8	8	8	8	7	6	6	5	5
1990	-	1	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	7
2006	-	1	3	6	9	10	10	10	10	10	10	10	9			
2007	-	-	3	7	7	8	8	8	8	8	8	7				
2008	-	1	5	8	9	9	10	10	10	10	9					
2009	-	1	6	8	9	10	10	10	10	10						
2010	-	1	3	6	6	6	6	5	5							
2011	-	2	6	9	11	10	10	10								
2012	-	2	3	7	7	7	7									
2013	1	2	5	6	7	8										
2014	-	3	8	12	12											
2015	-	1	3	10												
2016	-	-	2													
2017	-	2														
2018	-															
Totals:																
Latest 3	-	3	13	28	26	25	23	25	25	28	27	24	21	15	22	20
Latest 5	-	8	21	44	43	41	43	43	43	46	39	32	38	33	31	30
Latest 10	1	15	44	79	87	83	79	86	79	78	73	75	75	71	69	66
All	1	40	105	185	201	197	193	184	170	162	150	139	129	119	110	101
Cumulative	2,811	2,810	2,770	2,665	2,480	2,279	2,082	1,889	1,705	1,535	1,373	1,223	1,084	955	836	726

**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
1989	5	5	5	5	5	5	5	5	5	5	5	5	4	4
1990	6	5	4	4	4	4	4	4	4	3	3	3	3	
1991	4	4	4	4	4	4	4	4	4	4	4	4		
1992	10	10	9	9	9	9	9	9	9	9	9			
1993	8	8	8	8	8	8	8	8	8	8				
1994	4	4	4	4	4	4	4	4	4					
1995	5	5	5	5	5	5	5	5						
1996	6	6	6	6	6	6	6							
1997	9	8	8	8	8	8								
1998	12	12	12	12	11									
1999	4	4	4	3										
2000	5	5	5											
2001	4	4												
2002	13													
2003														
2004														
2005														
2006														
2007														
2008														
2009														
2010														
2011														
2012														
2013														
2014														
2015														
2016														
2017														
2018														
Totals:														
Latest 3	22	13	21	23	25	19	15	17	21	21	16			
Latest 5	38	33	35	34	34	31	32	30	29					
Latest 10	70	66	65	63										
All	95	80	74	68	64	53	45	39	34	29	21	12	7	4
Cumulative	625	530	450	376	308	244	191	146	107	73	44	23	11	4

**Incremental Payments - 2018 Level (a)**

Year of Birth	3	15	27	39	51	63	75	87	99	111	123	135	147	159	171	183
1989				2,086,973	1,188,825	1,464,160	648,794	504,105	596,660	822,201	459,829	487,557	1,761,534	312,486	558,701	423,157
1990			554,254	827,161	80,961	432,710	270,111	208,563	115,688	151,991	95,990	95,069	135,148	185,349	319,320	352,264
1991		3,082	316,797	54,718	568,926	435,370	184,307	125,194	64,653	49,840	144,649	130,028	179,779	155,459	148,684	178,010
1992	0	16,817	342,711	940,347	1,338,115	615,863	458,702	363,150	336,162	252,116	299,713	341,236	466,779	425,242	404,874	384,590
1993	0	2,502	314,060	1,020,531	897,000	1,207,766	1,011,735	1,094,343	1,036,967	1,060,242	1,096,230	957,130	854,936	1,087,764	1,037,494	785,989
1994	0	277,642	770,212	677,195	673,368	358,780	1,024,617	391,861	435,186	250,276	73,936	298,237	651,341	82,564	93,016	189,800
1995	0	3,539	179,315	855,213	564,787	103,497	135,589	193,453	119,816	258,115	288,031	890,689	331,842	449,187	502,947	132,022
1996	0	5,989	873,005	304,543	732,281	378,250	902,621	586,008	354,129	404,654	422,493	347,676	416,646	362,456	404,311	474,820
1997	0	17,104	775,325	512,944	387,273	557,208	893,188	518,536	399,512	415,107	285,497	495,468	658,381	740,069	643,739	656,284
1998	0	45,680	985,029	1,050,080	1,021,980	655,187	552,136	1,681,151	748,429	910,835	686,715	944,150	968,948	1,098,267	1,096,114	1,059,984
1999	0	697,733	617,240	411,574	750,982	783,771	595,992	489,072	804,472	1,140,100	770,910	669,512	829,137	760,491	557,577	675,147
2000	0	433,047	659,221	693,697	611,287	360,611	254,377	172,301	213,231	190,732	168,995	328,951	257,111	247,458	330,908	321,745
2001	0	154,501	496,398	829,150	568,384	511,802	1,071,384	572,640	347,645	264,393	324,950	341,956	381,492	485,759	462,300	545,313
2002	0	158,104	714,408	910,018	873,019	1,044,635	775,487	1,608,927	1,038,617	1,048,746	918,384	1,113,715	1,291,151	1,085,500	1,149,259	1,088,980
2003	0	275,852	343,601	130,762	139,645	387,058	648,950	195,259	187,081	296,718	292,378	266,806	418,746	455,200	386,922	373,451
2004	0	4,782	450,576	767,535	572,329	340,142	512,105	423,908	400,192	204,345	343,560	348,776	327,540	296,905	309,552	
2005	0	30	29,032	935,063	938,315	624,217	1,261,643	778,728	636,053	508,280	476,475	462,029	457,112	511,579		
2006	0	2,336	347,103	432,751	1,033,341	788,341	1,896,152	855,640	728,394	624,876	628,685	726,162	751,725			
2007	0	138,685	539,494	926,806	1,134,411	888,808	1,091,743	952,953	898,795	942,387	908,469	877,246				
2008	0	6,259	414,124	663,617	700,203	390,567	394,943	598,947	657,555	722,170	782,242					
2009	0	357,567	427,805	1,087,625	970,341	552,314	571,870	804,562	1,381,508	578,619						
2010	0	125,493	976,307	188,486	655,611	240,219	165,157	252,880	185,703							
2011	0	18,477	207,954	1,033,690	524,304	811,882	702,207	658,941								
2012	60	23,062	248,010	765,806	721,101	417,538	276,240									
2013	0	136,727	800,507	1,055,638	708,311	622,920										
2014	0	169,650	816,327	984,309	1,400,137											
2015	0	617	526,008	1,023,419												
2016	0	367,903	142,864													
2017	0	170,743														
2018	0															
Totals:																
Latest 3	0	539,262	1,485,200	3,063,365	2,829,549	1,852,340	1,143,605	1,716,383	2,224,765	2,243,176	2,319,397	2,065,437	1,536,377	1,263,684	1,845,733	2,007,744
Latest 5	0	845,638	2,533,717	4,862,861	4,009,464	2,644,873	2,110,418	3,268,283	3,851,954	3,376,333	3,139,432	2,681,019	3,246,274	2,834,943	2,638,940	3,004,635
Latest 10	60	1,376,497	5,099,400	8,162,146	8,786,075	5,676,948	7,521,009	7,130,746	6,461,541	5,381,266	5,615,049	6,079,305	6,341,342	6,043,683	5,843,629	5,517,545
All	60	3,613,919	13,867,684	21,169,648	19,755,239	14,973,614	16,300,051	14,031,125	11,686,446	11,096,743	9,468,130	10,122,393	11,139,346	8,741,734	8,405,717	7,641,555
Cumulative	239,281,592	239,281,532	235,667,614	221,799,930	200,630,282	180,875,043	165,901,430	149,601,379	135,570,254	123,883,809	112,787,066	103,318,936	93,196,543	82,057,197	73,315,463	64,909,745

Notes: (a) The product of actual incremental payments (shown in Appendix E, Exhibit IV, Sheets 5a and 5b) and adjustment factors to 2018 level (shown in Appendix E, Exhibit IV, Sheets 4a and 4b).

**Incremental Payments - 2018 Level (a)**

Year of Birth	195	207	219	231	243	255	267	279	291	303	315	327	339	351
1989	483,899	522,775	454,498	391,907	238,873	301,421	289,776	470,219	438,460	598,099	564,567	647,957	553,280	323,911
1990	383,971	350,929	153,930	126,583	115,485	150,689	125,671	153,213	249,273	315,958	204,311	190,552	194,016	
1991	175,327	363,731	620,413	542,486	547,617	427,397	981,164	495,472	565,837	507,314	504,837	591,311		
1992	442,989	493,997	529,405	734,611	659,468	562,607	899,311	914,609	847,237	841,234	920,293			
1993	775,690	709,803	833,537	759,311	860,982	1,055,197	984,234	871,669	878,093	819,844				
1994	158,328	182,058	148,295	146,830	233,675	270,863	253,696	252,132	280,549					
1995	1,416,657	338,541	371,896	636,091	660,423	626,889	744,244	591,351						
1996	478,185	331,915	398,680	396,509	400,813	437,119	462,017							
1997	1,019,567	619,237	544,581	595,125	584,077	516,898								
1998	1,412,940	1,294,019	1,286,514	1,338,672	1,282,673									
1999	670,396	504,678	490,496	391,014										
2000	274,033	313,256	308,596											
2001	450,666	436,592												
2002	1,005,155													
2003														
2004														
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2018														
Totals:														
Latest 3	1,729,854	1,254,526	2,085,605	2,324,811	2,267,564	1,580,906	1,459,956	1,715,152	2,005,878	2,168,393	1,629,441			
Latest 5	3,813,190	3,167,782	3,028,867	3,357,410	3,161,661	2,906,966	3,343,501	3,125,233	2,820,988					
Latest 10	7,661,618	5,224,095	5,532,413	5,667,231										
All	9,147,804	6,461,530	6,140,841	6,059,138	5,584,085	4,349,080	4,740,112	3,748,666	3,259,448	3,082,450	2,194,008	1,429,821	747,296	323,911
Cumulative	57,268,190	48,120,386	41,658,856	35,518,015	29,458,876	23,874,792	19,525,712	14,785,600	11,036,934	7,777,486	4,695,036	2,501,028	1,071,207	323,911

Notes: (a) The product of actual incremental payments (shown in Appendix E, Exhibit IV, Sheets 5a and 5b) and adjustment factors to 2018 level (shown in Appendix E, Exhibit IV, Sheets 4a and 4b).

**Adjustment Factors to 2018 Level (a)**

Year of Birth	3	15	27	39	51	63	75	87	99	111	123	135	147	159	171	183
1989	1.524	1.497	1.473	1.451	1.430	1.408	1.391	1.377	1.363	1.350	1.338	1.325	1.312	1.298	1.283	1.269
1990	1.497	1.473	1.451	1.430	1.408	1.391	1.377	1.363	1.350	1.338	1.325	1.312	1.298	1.283	1.269	1.251
1991	1.473	1.451	1.430	1.408	1.391	1.377	1.363	1.350	1.338	1.325	1.312	1.298	1.283	1.269	1.251	1.235
1992	1.451	1.430	1.408	1.391	1.377	1.363	1.350	1.338	1.325	1.312	1.298	1.283	1.269	1.251	1.235	1.222
1993	1.430	1.408	1.391	1.377	1.363	1.350	1.338	1.325	1.312	1.298	1.283	1.269	1.251	1.235	1.222	1.208
1994	1.408	1.391	1.377	1.363	1.350	1.338	1.325	1.312	1.298	1.283	1.269	1.251	1.235	1.222	1.208	1.099
1995	1.391	1.377	1.363	1.350	1.338	1.325	1.312	1.298	1.283	1.269	1.251	1.235	1.222	1.208	1.099	1.054
1996	1.377	1.363	1.350	1.338	1.325	1.312	1.298	1.283	1.269	1.251	1.235	1.222	1.208	1.099	1.054	1.045
1997	1.363	1.350	1.338	1.325	1.312	1.298	1.283	1.269	1.251	1.235	1.222	1.208	1.099	1.054	1.045	1.035
1998	1.350	1.338	1.325	1.312	1.298	1.283	1.269	1.251	1.235	1.222	1.208	1.099	1.054	1.045	1.035	1.028
1999	1.338	1.325	1.312	1.298	1.283	1.269	1.251	1.235	1.222	1.208	1.099	1.054	1.045	1.035	1.028	1.022
2000	1.325	1.312	1.298	1.283	1.269	1.251	1.235	1.222	1.208	1.099	1.054	1.045	1.035	1.028	1.022	1.017
2001	1.312	1.298	1.283	1.269	1.251	1.235	1.222	1.208	1.099	1.054	1.045	1.035	1.028	1.022	1.017	1.012
2002	1.298	1.283	1.269	1.251	1.235	1.222	1.208	1.099	1.054	1.045	1.035	1.028	1.022	1.017	1.012	1.005
2003	1.283	1.269	1.251	1.235	1.222	1.208	1.099	1.054	1.045	1.035	1.028	1.022	1.017	1.012	1.005	1.000
2004	1.269	1.251	1.235	1.222	1.208	1.099	1.054	1.045	1.035	1.028	1.022	1.017	1.012	1.005	1.000	
2005	1.251	1.235	1.222	1.208	1.099	1.054	1.045	1.035	1.028	1.022	1.017	1.012	1.005	1.000		
2006	1.235	1.222	1.208	1.099	1.054	1.045	1.035	1.028	1.022	1.017	1.012	1.005	1.000			
2007	1.222	1.208	1.099	1.054	1.045	1.035	1.028	1.022	1.017	1.012	1.005	1.000				
2008	1.208	1.099	1.054	1.045	1.035	1.028	1.022	1.017	1.012	1.005	1.000					
2009	1.099	1.054	1.045	1.035	1.028	1.022	1.017	1.012	1.005	1.000						
2010	1.054	1.045	1.035	1.028	1.022	1.017	1.012	1.005	1.000							
2011	1.045	1.035	1.028	1.022	1.017	1.012	1.005	1.000								
2012	1.035	1.028	1.022	1.017	1.012	1.005	1.000									
2013	1.028	1.022	1.017	1.012	1.005	1.000										
2014	1.022	1.017	1.012	1.005	1.000											
2015	1.017	1.012	1.005	1.000												
2016	1.012	1.005	1.000													
2017	1.005	1.000														
2018	1.000															

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

**Adjustment Factors to 2018 Level (a)**

Year of Birth	195	207	219	231	243	255	267	279	291	303	315	327	339	351
1989	1.251	1.235	1.222	1.208	1.099	1.054	1.045	1.035	1.028	1.022	1.017	1.012	1.005	1.000
1990	1.235	1.222	1.208	1.099	1.054	1.045	1.035	1.028	1.022	1.017	1.012	1.005	1.000	
1991	1.222	1.208	1.099	1.054	1.045	1.035	1.028	1.022	1.017	1.012	1.005	1.000		
1992	1.208	1.099	1.054	1.045	1.035	1.028	1.022	1.017	1.012	1.005	1.000			
1993	1.099	1.054	1.045	1.035	1.028	1.022	1.017	1.012	1.005	1.000				
1994	1.054	1.045	1.035	1.028	1.022	1.017	1.012	1.005	1.000					
1995	1.045	1.035	1.028	1.022	1.017	1.012	1.005	1.000						
1996	1.035	1.028	1.022	1.017	1.012	1.005	1.000							
1997	1.028	1.022	1.017	1.012	1.005	1.000								
1998	1.022	1.017	1.012	1.005	1.000									
1999	1.017	1.012	1.005	1.000										
2000	1.012	1.005	1.000											
2001	1.005	1.000												
2002	1.000													
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2017														
2018														

Notes: (a) See Appendix E, Exhibit 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	
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		
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			
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				
2008	0	5,697	393,004	635,038	676,367	380,013	386,437	589,056	649,542	718,577	782,242					
2009	0	339,332	409,381	1,050,602	944,120	540,419	562,426	794,757	1,374,635	578,619						
2010	0	120,088	943,073	183,392	641,491	236,252	163,145	251,622	185,703							
2011	0	17,848	202,334	1,011,428	515,646	801,988	698,714	658,941								
2012	58	22,439	242,669	753,160	712,313	415,461	276,240									
2013	0	133,782	787,288	1,042,774	704,787	622,920										
2014	0	166,848	806,379	979,412	1,400,137											
2015	0	609	523,391	1,023,419												
2016	0	366,072	142,864													
2017	0	170,743														
2018	0															
Totals:																
Latest 3	0	537,424	1,472,635	3,045,604	2,817,238	1,840,369	1,138,099	1,705,320	2,209,879	2,228,099	2,307,216	2,056,194	1,530,112	1,256,660	1,829,803	1,995,681
Latest 5	0	838,054	2,502,591	4,810,192	3,974,375	2,617,040	2,086,962	3,226,806	3,806,538	3,339,990	3,111,984	2,660,271	3,205,286	2,799,532	2,608,249	2,972,719
Latest 10	58	1,343,459	4,941,433	7,952,656	8,515,120	5,511,977	7,264,783	6,866,951	6,293,074	5,253,526	5,456,601	5,883,729	6,137,051	5,858,110	5,667,054	5,390,420
All	58	3,049,402	11,553,402	17,717,441	16,815,571	12,595,457	14,062,837	12,243,749	10,376,698	9,769,722	8,500,969	9,098,542	9,918,729	8,025,669	7,726,603	7,114,819

Note: (a) See actual payments as shown in Appendix E, Exhibit 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
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
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	
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		
1992	366,731	449,638	502,406	702,974	637,019	547,404	879,943	899,506	836,912	837,049	920,293			
1993	706,037	673,604	797,640	733,464	837,717	1,032,472	967,981	861,047	873,725	819,844				
1994	150,253	174,218	143,247	142,862	228,642	266,391	250,604	250,877	280,549					
1995	1,355,648	327,016	361,846	622,391	649,517	619,250	740,541	591,351						
1996	461,908	322,946	390,093	389,961	395,929	434,944	462,017							
1997	992,016	605,901	535,588	587,873	581,171	516,898								
1998	1,382,510	1,272,650	1,270,837	1,332,012	1,282,673									
1999	659,326	498,528	488,055	391,014										
2000	270,694	311,697	308,596											
2001	448,424	436,592												
2002	1,005,155													
2003														
2004														
2005														
2006														
2007														
2008														
2009														
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2014														
2015														
2016														
2017														
2018														
Totals:														
Latest 3	1,724,272	1,246,818	2,067,488	2,310,898	2,259,773	1,571,092	1,453,161	1,703,275	1,991,185	2,158,025	1,624,440			
Latest 5	3,766,108	3,125,368	2,993,169	3,323,251	3,137,932	2,869,954	3,301,085	3,087,582	2,791,583					
Latest 10	7,431,969	5,072,790	5,363,012	5,532,587										
All	8,639,679	6,084,234	5,862,310	5,857,030	5,463,719	4,260,454	4,654,426	3,690,869	3,218,194	3,053,984	2,179,684	1,420,976	744,543	323,911

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	
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		
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			
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				
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					
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						
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							
2011	0	17,848	220,183	1,231,610	1,747,256	2,549,245	3,247,958	3,906,899								
2012	58	22,496	265,165	1,018,325	1,730,638	2,146,099	2,422,340									
2013	0	133,782	921,070	1,963,844	2,668,631	3,291,551										
2014	0	166,848	973,227	1,952,639	3,352,776											
2015	0	609	524,000	1,547,419												
2016	0	366,072	508,937													
2017	0	170,743														
2018	0															

Note: (a) See Exhibit IX, Sheets 6a, 6b, and 6c.

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

Year of Birth	195	207	219	231	243	255	267	279	291	303	315	327	339	351
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
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	
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		
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			
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				
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					
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						
1996	6,075,514	6,398,460	6,788,554	7,178,514	7,574,443	8,009,387	8,471,404							
1997	7,651,311	8,257,212	8,792,800	9,380,673	9,961,845	10,478,742								
1998	12,876,783	14,149,433	15,420,270	16,752,281	18,034,955									
1999	9,718,932	10,217,460	10,705,515	11,096,529										
2000	4,720,821	5,032,518	5,341,114											
2001	6,875,357	7,311,949												
2002	14,596,137													
2003														
2004														
2005														
2006														
2007														
2008														
2009														
2010														
2011														
2012														
2013														
2014														
2015														
2016														
2017														
2018														

Note: (a) See Exhibit IX, Sheets 6a, 6b, and 6c.

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
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
0	0.0140	0.0108	0.0202	0.0083	0.0098	0.0046	0.0099	0.0082	0.0159	0.0172	0.0242	0.0323	0.1736	0.1736
1	0.0143	0.0109	0.0205	0.0084	0.0100	0.0047	0.0100	0.0083	0.0161	0.0174	0.0134	0.0239	0.0235	0.0235
2	0.0146	0.0112	0.0209	0.0085	0.0101	0.0047	0.0102	0.0084	0.0163	0.0176	0.0135	0.0132	0.0174	0.0174
3	0.0149	0.0114	0.0213	0.0087	0.0102	0.0048	0.0103	0.0085	0.0165	0.0178	0.0137	0.0133	0.0096	0.0096
4	0.0152	0.0117	0.0218	0.0088	0.0104	0.0049	0.0105	0.0087	0.0167	0.0180	0.0138	0.0135	0.0097	0.0097
5	0.0156	0.0119	0.0223	0.0090	0.0106	0.0050	0.0106	0.0088	0.0170	0.0183	0.0140	0.0137	0.0098	0.0098
6	0.0159	0.0122	0.0227	0.0092	0.0109	0.0051	0.0108	0.0089	0.0172	0.0185	0.0142	0.0139	0.0100	0.0100
7	0.0161	0.0124	0.0232	0.0094	0.0111	0.0052	0.0110	0.0091	0.0175	0.0188	0.0144	0.0141	0.0101	0.0101
8	0.0164	0.0126	0.0237	0.0096	0.0114	0.0053	0.0113	0.0093	0.0178	0.0191	0.0146	0.0143	0.0102	0.0102
9	0.0168	0.0129	0.0241	0.0098	0.0116	0.0054	0.0115	0.0095	0.0181	0.0194	0.0148	0.0145	0.0104	0.0104
10	0.0171	0.0131	0.0246	0.0100	0.0118	0.0055	0.0118	0.0097	0.0185	0.0198	0.0151	0.0147	0.0105	0.0105
11	0.0174	0.0134	0.0250	0.0102	0.0121	0.0056	0.0120	0.0099	0.0190	0.0203	0.0154	0.0149	0.0107	0.0107
12	0.0177	0.0136	0.0255	0.0104	0.0123	0.0057	0.0123	0.0101	0.0194	0.0207	0.0158	0.0152	0.0109	0.0109
13	0.0180	0.0139	0.0259	0.0106	0.0125	0.0058	0.0125	0.0103	0.0198	0.0212	0.0161	0.0156	0.0111	0.0111
14	0.0183	0.0141	0.0264	0.0108	0.0127	0.0059	0.0127	0.0105	0.0202	0.0216	0.0165	0.0159	0.0114	0.0114
15	0.0187	0.0144	0.0269	0.0110	0.0130	0.0060	0.0130	0.0107	0.0205	0.0220	0.0168	0.0163	0.0116	0.0116
16	0.0191	0.0146	0.0274	0.0112	0.0132	0.0062	0.0132	0.0109	0.0209	0.0224	0.0171	0.0166	0.0119	0.0119
17	0.0195	0.0149	0.0279	0.0114	0.0134	0.0063	0.0134	0.0111	0.0213	0.0229	0.0175	0.0170	0.0121	0.0121
18	0.0199	0.0153	0.0285	0.0116	0.0137	0.0064	0.0137	0.0113	0.0217	0.0233	0.0178	0.0173	0.0124	0.0124
19	0.0204	0.0156	0.0291	0.0118	0.0140	0.0065	0.0139	0.0115	0.0221	0.0237	0.0181	0.0176	0.0126	0.0126
20	0.0208	0.0160	0.0298	0.0121	0.0142	0.0066	0.0142	0.0117	0.0225	0.0241	0.0184	0.0179	0.0128	0.0128
21	0.0213	0.0163	0.0304	0.0124	0.0145	0.0068	0.0145	0.0119	0.0229	0.0246	0.0188	0.0182	0.0130	0.0130
22	0.0218	0.0167	0.0311	0.0126	0.0149	0.0069	0.0148	0.0121	0.0233	0.0250	0.0191	0.0186	0.0133	0.0133
23	0.0223	0.0171	0.0318	0.0129	0.0152	0.0071	0.0151	0.0124	0.0238	0.0255	0.0195	0.0189	0.0135	0.0135
24	0.0229	0.0175	0.0325	0.0132	0.0155	0.0072	0.0154	0.0127	0.0243	0.0260	0.0198	0.0192	0.0138	0.0138
25	0.0234	0.0179	0.0333	0.0135	0.0159	0.0074	0.0158	0.0129	0.0248	0.0265	0.0202	0.0196	0.0140	0.0140
26	0.0240	0.0183	0.0341	0.0138	0.0163	0.0075	0.0161	0.0132	0.0253	0.0271	0.0206	0.0200	0.0143	0.0143
27	0.0246	0.0188	0.0350	0.0142	0.0167	0.0077	0.0165	0.0135	0.0259	0.0277	0.0211	0.0204	0.0146	0.0146
28	0.0253	0.0193	0.0358	0.0145	0.0171	0.0079	0.0169	0.0138	0.0265	0.0283	0.0215	0.0208	0.0149	0.0149
29	0.0259	0.0198	0.0367	0.0149	0.0175	0.0081	0.0173	0.0142	0.0271	0.0290	0.0220	0.0213	0.0152	0.0152
30	0.0267	0.0203	0.0377	0.0153	0.0179	0.0083	0.0177	0.0145	0.0277	0.0296	0.0225	0.0218	0.0155	0.0155
31	0.0275	0.0209	0.0387	0.0157	0.0184	0.0085	0.0181	0.0149	0.0284	0.0303	0.0230	0.0223	0.0159	0.0159
32	0.0283	0.0215	0.0398	0.0161	0.0189	0.0087	0.0186	0.0152	0.0291	0.0310	0.0236	0.0228	0.0162	0.0162
33	0.0292	0.0222	0.0410	0.0165	0.0194	0.0089	0.0190	0.0156	0.0298	0.0318	0.0241	0.0233	0.0166	0.0166
34	0.0301	0.0229	0.0423	0.0170	0.0199	0.0092	0.0195	0.0160	0.0305	0.0325	0.0247	0.0238	0.0170	0.0170
35	0.0312	0.0236	0.0436	0.0176	0.0205	0.0095	0.0201	0.0164	0.0313	0.0334	0.0253	0.0244	0.0174	0.0174
36	0.0323	0.0244	0.0450	0.0181	0.0211	0.0097	0.0206	0.0169	0.0321	0.0342	0.0259	0.0250	0.0178	0.0178
37	0.0334	0.0253	0.0465	0.0187	0.0218	0.0100	0.0213	0.0173	0.0330	0.0351	0.0266	0.0257	0.0182	0.0182
38	0.0347	0.0262	0.0482	0.0193	0.0225	0.0103	0.0219	0.0178	0.0339	0.0361	0.0273	0.0263	0.0187	0.0187
39	0.0360	0.0272	0.0499	0.0200	0.0233	0.0107	0.0226	0.0184	0.0349	0.0371	0.0281	0.0270	0.0192	0.0192
40	0.0375	0.0282	0.0518	0.0207	0.0241	0.0110	0.0233	0.0190	0.0360	0.0382	0.0288	0.0277	0.0197	0.0197
41	0.0390	0.0293	0.0538	0.0215	0.0250	0.0114	0.0241	0.0196	0.0371	0.0393	0.0297	0.0285	0.0202	0.0202
42	0.0406	0.0305	0.0559	0.0224	0.0259	0.0118	0.0250	0.0203	0.0383	0.0406	0.0306	0.0294	0.0208	0.0208
43	0.0423	0.0318	0.0582	0.0232	0.0269	0.0123	0.0259	0.0210	0.0396	0.0419	0.0316	0.0303	0.0214	0.0214
44	0.0441	0.0331	0.0606	0.0242	0.0280	0.0128	0.0269	0.0217	0.0410	0.0433	0.0326	0.0312	0.0220	0.0220
45	0.0461	0.0345	0.0631	0.0252	0.0291	0.0133	0.0279	0.0226	0.0425	0.0448	0.0337	0.0322	0.0227	0.0227
46	0.0481	0.0361	0.0659	0.0262	0.0303	0.0138	0.0290	0.0234	0.0441	0.0465	0.0349	0.0333	0.0235	0.0235
47	0.0504	0.0377	0.0688	0.0274	0.0315	0.0144	0.0302	0.0243	0.0458	0.0482	0.0362	0.0345	0.0243	0.0243
48	0.0528	0.0395	0.0719	0.0286	0.0329	0.0150	0.0314	0.0253	0.0477	0.0501	0.0375	0.0357	0.0251	0.0251
49	0.0553	0.0413	0.0752	0.0299	0.0344	0.0156	0.0327	0.0264	0.0496	0.0521	0.0390	0.0371	0.0261	0.0261
50	0.0581	0.0433	0.0788	0.0312	0.0359	0.0163	0.0341	0.0275	0.0516	0.0542	0.0405	0.0385	0.0270	0.0270
51	0.0611	0.0455	0.0826	0.0327	0.0376	0.0171	0.0356	0.0287	0.0538	0.0564	0.0421	0.0401	0.0281	0.0281
52	0.0643	0.0478	0.0867	0.0343	0.0394	0.0178	0.0373	0.0299	0.0561	0.0588	0.0439	0.0417	0.0292	0.0292
53	0.0677	0.0503	0.0912	0.0360	0.0413	0.0187	0.0390	0.0313	0.0586	0.0613	0.0457	0.0434	0.0304	0.0304
54	0.0715	0.0531	0.0960	0.0379	0.0434	0.0196	0.0408	0.0327	0.0612	0.0640	0.0477	0.0452	0.0316	0.0316
55	0.0754	0.0560	0.1012	0.0399	0.0456	0.0206	0.0428	0.0343	0.0641	0.0669	0.0498	0.0471	0.0329	0.0329
56	0.0795	0.0590	0.1067	0.0420	0.0480	0.0216	0.0450	0.0360	0.0671	0.0700	0.0521	0.0492	0.0344	0.0344
57	0.0838	0.0622	0.1125	0.0443	0.0506	0.0228	0.0473	0.0378	0.0704	0.0733	0.0545	0.0515	0.0359	0.0359
58	0.0886	0.0657	0.1186	0.0467	0.0533	0.0240	0.0497	0.0397	0.0739	0.0769	0.0570	0.0538	0.0375	0.0375
59	0.0938	0.0694	0.1252	0.0493	0.0562	0.0253	0.0524	0.0418	0.0777	0.0807	0.0598	0.0564	0.0392	0.0392
60	0.0994	0.0735	0.1323	0.0520	0.0593	0.0267	0.0553	0.0440	0.0818	0.0849	0.0628	0.0591	0.0411	0.0411

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
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
61	0.1056	0.0779	0.1400	0.0549	0.0626	0.0281	0.0583	0.0464	0.0862	0.0893	0.0660	0.0621	0.0431	0.0431
62	0.1123	0.0827	0.1485	0.0582	0.0661	0.0297	0.0615	0.0490	0.0909	0.0941	0.0695	0.0653	0.0453	0.0453
63	0.1196	0.0880	0.1577	0.0617	0.0700	0.0314	0.0649	0.0516	0.0958	0.0993	0.0732	0.0687	0.0476	0.0476
64	0.1276	0.0937	0.1677	0.0655	0.0742	0.0332	0.0685	0.0545	0.1011	0.1047	0.0772	0.0724	0.0501	0.0501
65	0.1362	0.0999	0.1786	0.0697	0.0788	0.0352	0.0726	0.0576	0.1066	0.1104	0.0815	0.0764	0.0528	0.0528
66	0.1455	0.1067	0.1905	0.0742	0.0838	0.0374	0.0769	0.0609	0.1127	0.1165	0.0859	0.0805	0.0557	0.0557
67	0.1555	0.1139	0.2034	0.0791	0.0893	0.0398	0.0817	0.0646	0.1193	0.1231	0.0906	0.0849	0.0587	0.0587
68	0.1665	0.1218	0.2172	0.0845	0.0952	0.0424	0.0869	0.0686	0.1265	0.1303	0.0958	0.0896	0.0619	0.0619
69	0.1786	0.1304	0.2322	0.0902	0.1016	0.0452	0.0926	0.0730	0.1343	0.1382	0.1014	0.0947	0.0653	0.0653
70	0.1918	0.1399	0.2487	0.0965	0.1086	0.0482	0.0987	0.0777	0.1428	0.1468	0.1075	0.1003	0.0690	0.0690
71	0.2061	0.1502	0.2667	0.1033	0.1161	0.0515	0.1054	0.0829	0.1522	0.1561	0.1142	0.1063	0.0731	0.0731
72	0.2218	0.1614	0.2863	0.1108	0.1243	0.0551	0.1126	0.0885	0.1623	0.1663	0.1214	0.1129	0.0775	0.0775
73	0.2388	0.1737	0.3077	0.1189	0.1333	0.0590	0.1203	0.0945	0.1732	0.1773	0.1293	0.1201	0.0823	0.0823
74	0.2573	0.1870	0.3311	0.1278	0.1431	0.0633	0.1289	0.1011	0.1850	0.1893	0.1380	0.1279	0.0875	0.0875
75	0.2774	0.2015	0.3566	0.1375	0.1538	0.0679	0.1382	0.1082	0.1978	0.2022	0.1473	0.1364	0.0932	0.0932
76	0.2993	0.2173	0.3842	0.1481	0.1655	0.0730	0.1484	0.1160	0.2118	0.2162	0.1573	0.1456	0.0994	0.0994
77	0.3229	0.2344	0.4143	0.1596	0.1782	0.0786	0.1595	0.1246	0.2271	0.2314	0.1682	0.1555	0.1061	0.1061
78	0.3484	0.2529	0.4468	0.1721	0.1920	0.0846	0.1716	0.1339	0.2439	0.2482	0.1801	0.1663	0.1133	0.1133
79	0.3758	0.2728	0.4821	0.1856	0.2070	0.0912	0.1848	0.1441	0.2621	0.2665	0.1931	0.1780	0.1212	0.1212
80	0.4053	0.2944	0.5201	0.2002	0.2233	0.0983	0.1991	0.1552	0.2820	0.2864	0.2073	0.1909	0.1297	0.1297
81	0.4369	0.3175	0.5611	0.2160	0.2409	0.1060	0.2147	0.1672	0.3037	0.3082	0.2228	0.2050	0.1391	0.1391
82	0.4705	0.3422	0.6052	0.2331	0.2600	0.1144	0.2316	0.1803	0.3273	0.3319	0.2398	0.2203	0.1494	0.1494
83	0.5055	0.3685	0.6523	0.2514	0.2805	0.1234	0.2498	0.1945	0.3528	0.3576	0.2582	0.2370	0.1605	0.1605
84	0.5420	0.3959	0.7025	0.2709	0.3025	0.1331	0.2695	0.2098	0.3806	0.3856	0.2782	0.2552	0.1727	0.1727
85	0.5797	0.4245	0.7548	0.2918	0.3260	0.1436	0.2908	0.2264	0.4106	0.4159	0.3000	0.2751	0.1860	0.1860
86	0.6190	0.4541	0.8092	0.3135	0.3511	0.1548	0.3136	0.2442	0.4430	0.4487	0.3235	0.2966	0.2004	0.2004
87	0.6600	0.4848	0.8656	0.3361	0.3772	0.1667	0.3380	0.2634	0.4779	0.4841	0.3491	0.3199	0.2161	0.2161
88	0.6841	0.5169	0.9242	0.3595	0.4044	0.1791	0.3640	0.2839	0.5155	0.5223	0.3766	0.3451	0.2331	0.2331
89	0.6841	0.5358	0.9855	0.3839	0.4326	0.1920	0.3911	0.3057	0.5556	0.5633	0.4063	0.3723	0.2515	0.2515
90	0.6841	0.5358	1.0000	0.4093	0.4619	0.2054	0.4193	0.3285	0.5983	0.6071	0.4382	0.4017	0.2713	0.2713
91	0.6841	0.5358	1.0000	0.4243	0.4925	0.2193	0.4486	0.3522	0.6429	0.6538	0.4723	0.4332	0.2927	0.2927
92	0.6841	0.5358	1.0000	0.4243	0.5105	0.2338	0.4789	0.3767	0.6892	0.7025	0.5086	0.4670	0.3157	0.3157
93	0.6841	0.5358	1.0000	0.4243	0.5105	0.2423	0.5107	0.4022	0.7373	0.7532	0.5465	0.5029	0.3403	0.3403
94	0.6841	0.5358	1.0000	0.4243	0.5105	0.2423	0.5294	0.4289	0.7872	0.8057	0.5859	0.5403	0.3665	0.3665
95	0.6841	0.5358	1.0000	0.4243	0.5105	0.2423	0.5294	0.4445	0.8394	0.8602	0.6268	0.5793	0.3938	0.3938
96	0.6841	0.5358	1.0000	0.4243	0.5105	0.2423	0.5294	0.4445	0.8701	0.9172	0.6692	0.6197	0.4222	0.4222
97	0.6841	0.5358	1.0000	0.4243	0.5105	0.2423	0.5294	0.4445	0.8701	0.9508	0.7136	0.6616	0.4516	0.4516
98	0.6841	0.5358	1.0000	0.4243	0.5105	0.2423	0.5294	0.4445	0.8701	0.9508	0.7397	0.7055	0.4821	0.4821
99	0.6841	0.5358	1.0000	0.4243	0.5105	0.2423	0.5294	0.4445	0.8701	0.9508	0.7397	0.7313	0.5141	0.5141
100	0.6841	0.5358	1.0000	0.4243	0.5105	0.2423	0.5294	0.4445	0.8701	0.9508	0.7397	0.7313	0.5329	0.5329
101	0.6841	0.5358	1.0000	0.4243	0.5105	0.2423	0.5294	0.4445	0.8701	0.9508	0.7397	0.7313	0.5329	0.5329
102	0.6841	0.5358	1.0000	0.4243	0.5105	0.2423	0.5294	0.4445	0.8701	0.9508	0.7397	0.7313	0.5329	0.5329
103	0.6841	0.5358	1.0000	0.4243	0.5105	0.2423	0.5294	0.4445	0.8701	0.9508	0.7397	0.7313	0.5329	0.5329
104	0.6841	0.5358	1.0000	0.4243	0.5105	0.2423	0.5294	0.4445	0.8701	0.9508	0.7397	0.7313	0.5329	0.5329
105	0.6841	0.5358	1.0000	0.4243	0.5105	0.2423	0.5294	0.4445	0.8701	0.9508	0.7397	0.7313	0.5329	0.5329
106	0.6841	0.5358	1.0000	0.4243	0.5105	0.2423	0.5294	0.4445	0.8701	0.9508	0.7397	0.7313	0.5329	0.5329
107	0.6841	0.5358	1.0000	0.4243	0.5105	0.2423	0.5294	0.4445	0.8701	0.9508	0.7397	0.7313	0.5329	0.5329
108	1.0000	0.5358	1.0000	0.4243	0.5105	0.2423	0.5294	0.4445	0.8701	0.9508	0.7397	0.7313	0.5329	0.5329
109	1.0000	1.0000	1.0000	0.4243	0.5105	0.2423	0.5294	0.4445	0.8701	0.9508	0.7397	0.7313	0.5329	0.5329
110	1.0000	1.0000	1.0000	0.4243	0.5105	0.2423	0.5294	0.4445	0.8701	0.9508	0.7397	0.7313	0.5329	0.5329
111	1.0000	1.0000	1.0000	1.0000	0.5105	0.2423	0.5294	0.4445	0.8701	0.9508	0.7397	0.7313	0.5329	0.5329
112	1.0000	1.0000	1.0000	1.0000	1.0000	0.2423	0.5294	0.4445	0.8701	0.9508	0.7397	0.7313	0.5329	0.5329
113	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.5294	0.4445	0.8701	0.9508	0.7397	0.7313	0.5329	0.5329
114	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.4445	0.8701	0.9508	0.7397	0.7313	0.5329	0.5329
115	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.8701	0.9508	0.7397	0.7313	0.5329	0.5329
116	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9508	0.7397	0.7313	0.5329	0.5329
117	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.7397	0.7313	0.5329	0.5329
118	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.7313	0.5329	0.5329
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	0.5329	0.5329
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

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	0.0192	0.0315	0.0112	0.0113	0.0141	0.0092	0.0102	0.0207	0.0096	0.0115	0.0168	0.0223	0.0113	0.0134	0.0203	0.0095
1	0.0196	0.0322	0.0114	0.0115	0.0143	0.0094	0.0104	0.0211	0.0098	0.0117	0.0172	0.0227	0.0115	0.0137	0.0208	0.0097
2	0.0201	0.0329	0.0116	0.0118	0.0146	0.0096	0.0106	0.0215	0.0099	0.0119	0.0175	0.0232	0.0118	0.0140	0.0213	0.0100
3	0.0205	0.0336	0.0119	0.0120	0.0149	0.0098	0.0108	0.0218	0.0101	0.0121	0.0178	0.0236	0.0120	0.0143	0.0217	0.0102
4	0.0210	0.0344	0.0122	0.0123	0.0152	0.0099	0.0110	0.0222	0.0103	0.0123	0.0181	0.0240	0.0122	0.0145	0.0221	0.0104
5	0.0214	0.0351	0.0124	0.0125	0.0155	0.0101	0.0112	0.0227	0.0105	0.0126	0.0185	0.0245	0.0124	0.0148	0.0225	0.0106
6	0.0219	0.0359	0.0127	0.0128	0.0158	0.0104	0.0114	0.0231	0.0107	0.0128	0.0188	0.0249	0.0127	0.0151	0.0230	0.0108
7	0.0225	0.0368	0.0130	0.0131	0.0162	0.0106	0.0117	0.0236	0.0109	0.0130	0.0191	0.0254	0.0129	0.0154	0.0234	0.0110
8	0.0230	0.0376	0.0133	0.0134	0.0166	0.0108	0.0119	0.0241	0.0111	0.0133	0.0195	0.0258	0.0131	0.0156	0.0238	0.0112
9	0.0236	0.0385	0.0136	0.0137	0.0169	0.0111	0.0122	0.0246	0.0113	0.0136	0.0199	0.0263	0.0134	0.0159	0.0242	0.0114
10	0.0242	0.0395	0.0139	0.0140	0.0173	0.0113	0.0125	0.0252	0.0116	0.0138	0.0203	0.0268	0.0136	0.0162	0.0247	0.0116
11	0.0248	0.0405	0.0143	0.0144	0.0177	0.0116	0.0128	0.0257	0.0119	0.0142	0.0207	0.0274	0.0139	0.0165	0.0251	0.0118
12	0.0254	0.0415	0.0146	0.0147	0.0182	0.0119	0.0131	0.0263	0.0121	0.0145	0.0212	0.0280	0.0142	0.0168	0.0256	0.0120
13	0.0261	0.0426	0.0150	0.0151	0.0186	0.0122	0.0134	0.0269	0.0124	0.0148	0.0216	0.0286	0.0145	0.0172	0.0261	0.0122
14	0.0269	0.0438	0.0154	0.0155	0.0191	0.0125	0.0137	0.0276	0.0127	0.0151	0.0221	0.0292	0.0148	0.0175	0.0266	0.0125
15	0.0276	0.0450	0.0158	0.0159	0.0196	0.0128	0.0140	0.0282	0.0130	0.0155	0.0226	0.0299	0.0151	0.0179	0.0272	0.0127
16	0.0285	0.0463	0.0163	0.0163	0.0201	0.0131	0.0144	0.0289	0.0133	0.0158	0.0232	0.0306	0.0155	0.0183	0.0278	0.0130
17	0.0294	0.0477	0.0167	0.0168	0.0206	0.0134	0.0148	0.0296	0.0136	0.0162	0.0237	0.0313	0.0158	0.0187	0.0284	0.0133
18	0.0303	0.0492	0.0173	0.0173	0.0212	0.0138	0.0151	0.0304	0.0140	0.0166	0.0243	0.0320	0.0162	0.0192	0.0291	0.0136
19	0.0314	0.0508	0.0178	0.0178	0.0218	0.0142	0.0156	0.0312	0.0143	0.0170	0.0249	0.0328	0.0166	0.0196	0.0297	0.0139
20	0.0325	0.0526	0.0184	0.0184	0.0225	0.0146	0.0160	0.0321	0.0147	0.0175	0.0255	0.0336	0.0170	0.0201	0.0304	0.0142
21	0.0337	0.0544	0.0190	0.0190	0.0232	0.0150	0.0165	0.0330	0.0151	0.0179	0.0261	0.0344	0.0174	0.0206	0.0311	0.0146
22	0.0349	0.0564	0.0197	0.0196	0.0240	0.0155	0.0170	0.0339	0.0155	0.0184	0.0268	0.0353	0.0178	0.0211	0.0319	0.0149
23	0.0363	0.0585	0.0204	0.0203	0.0248	0.0160	0.0175	0.0350	0.0160	0.0189	0.0276	0.0362	0.0183	0.0216	0.0327	0.0153
24	0.0377	0.0608	0.0212	0.0211	0.0257	0.0166	0.0181	0.0361	0.0165	0.0195	0.0283	0.0372	0.0187	0.0221	0.0335	0.0156
25	0.0392	0.0632	0.0220	0.0218	0.0266	0.0172	0.0187	0.0372	0.0170	0.0201	0.0292	0.0383	0.0193	0.0227	0.0344	0.0160
26	0.0408	0.0657	0.0228	0.0227	0.0276	0.0178	0.0193	0.0385	0.0175	0.0207	0.0301	0.0394	0.0198	0.0234	0.0353	0.0164
27	0.0426	0.0684	0.0238	0.0236	0.0287	0.0185	0.0200	0.0399	0.0181	0.0214	0.0310	0.0406	0.0204	0.0240	0.0362	0.0169
28	0.0444	0.0713	0.0247	0.0245	0.0298	0.0192	0.0208	0.0413	0.0188	0.0221	0.0320	0.0419	0.0210	0.0247	0.0372	0.0173
29	0.0464	0.0744	0.0258	0.0255	0.0310	0.0199	0.0216	0.0429	0.0195	0.0229	0.0331	0.0432	0.0217	0.0255	0.0383	0.0178
30	0.0485	0.0777	0.0269	0.0266	0.0323	0.0207	0.0225	0.0445	0.0202	0.0237	0.0343	0.0447	0.0224	0.0263	0.0395	0.0183
31	0.0507	0.0812	0.0281	0.0278	0.0336	0.0216	0.0234	0.0463	0.0210	0.0246	0.0355	0.0463	0.0231	0.0271	0.0407	0.0189
32	0.0531	0.0850	0.0294	0.0290	0.0351	0.0225	0.0243	0.0481	0.0218	0.0256	0.0369	0.0480	0.0239	0.0280	0.0421	0.0195
33	0.0557	0.0890	0.0307	0.0303	0.0366	0.0235	0.0253	0.0501	0.0227	0.0266	0.0383	0.0498	0.0248	0.0290	0.0435	0.0201
34	0.0585	0.0933	0.0322	0.0317	0.0383	0.0245	0.0264	0.0522	0.0236	0.0277	0.0398	0.0517	0.0257	0.0301	0.0450	0.0208
35	0.0615	0.0980	0.0337	0.0332	0.0401	0.0256	0.0276	0.0545	0.0246	0.0288	0.0414	0.0537	0.0267	0.0312	0.0467	0.0216
36	0.0647	0.1030	0.0354	0.0348	0.0420	0.0268	0.0289	0.0569	0.0257	0.0300	0.0431	0.0559	0.0278	0.0324	0.0484	0.0223
37	0.0682	0.1084	0.0372	0.0366	0.0440	0.0281	0.0302	0.0595	0.0268	0.0313	0.0449	0.0582	0.0289	0.0337	0.0503	0.0232
38	0.0719	0.1143	0.0392	0.0384	0.0462	0.0294	0.0316	0.0622	0.0280	0.0327	0.0469	0.0606	0.0301	0.0351	0.0523	0.0241
39	0.0759	0.1205	0.0413	0.0405	0.0486	0.0309	0.0332	0.0652	0.0293	0.0342	0.0489	0.0632	0.0314	0.0365	0.0544	0.0250
40	0.0800	0.1271	0.0436	0.0426	0.0511	0.0325	0.0348	0.0683	0.0307	0.0358	0.0511	0.0660	0.0327	0.0380	0.0566	0.0260
41	0.0844	0.1340	0.0460	0.0450	0.0539	0.0342	0.0366	0.0718	0.0322	0.0375	0.0535	0.0690	0.0342	0.0397	0.0590	0.0271
42	0.0892	0.1414	0.0485	0.0474	0.0568	0.0360	0.0385	0.0754	0.0338	0.0393	0.0560	0.0722	0.0357	0.0415	0.0616	0.0282
43	0.0944	0.1494	0.0511	0.0500	0.0599	0.0380	0.0406	0.0794	0.0356	0.0413	0.0588	0.0757	0.0374	0.0433	0.0643	0.0295
44	0.1001	0.1582	0.0540	0.0528	0.0632	0.0401	0.0428	0.0837	0.0374	0.0434	0.0617	0.0793	0.0391	0.0453	0.0672	0.0308
45	0.1063	0.1677	0.0572	0.0558	0.0667	0.0423	0.0452	0.0883	0.0394	0.0456	0.0649	0.0833	0.0411	0.0475	0.0703	0.0322
46	0.1130	0.1781	0.0606	0.0590	0.0704	0.0446	0.0476	0.0931	0.0416	0.0481	0.0683	0.0876	0.0431	0.0498	0.0736	0.0337
47	0.1204	0.1894	0.0644	0.0626	0.0746	0.0471	0.0503	0.0982	0.0439	0.0507	0.0720	0.0922	0.0453	0.0523	0.0772	0.0352
48	0.1284	0.2018	0.0685	0.0665	0.0791	0.0499	0.0531	0.1036	0.0463	0.0535	0.0759	0.0971	0.0477	0.0550	0.0811	0.0370
49	0.1371	0.2152	0.0730	0.0707	0.0840	0.0529	0.0562	0.1094	0.0488	0.0564	0.0800	0.1024	0.0503	0.0579	0.0853	0.0388
50	0.1464	0.2297	0.0778	0.0753	0.0893	0.0562	0.0596	0.1159	0.0516	0.0595	0.0844	0.1080	0.0530	0.0610	0.0897	0.0408
51	0.1566	0.2454	0.0831	0.0803	0.0951	0.0597	0.0633	0.1228	0.0546	0.0629	0.0891	0.1139	0.0559	0.0643	0.0946	0.0429
52	0.1676	0.2623	0.0887	0.0857	0.1015	0.0636	0.0673	0.1304	0.0579	0.0666	0.0941	0.1202	0.0590	0.0678	0.0997	0.0453
53	0.1798	0.2809	0.0948	0.0916	0.1083	0.0679	0.0717	0.1387	0.0615	0.0706	0.0996	0.1270	0.0622	0.0715	0.1052	0.0477
54	0.1930	0.3012	0.1016	0.0979	0.1157	0.0724	0.0765	0.1478	0.0654	0.0750	0.1056	0.1345	0.0657	0.0755	0.1109	0.0503
55	0.2075	0.3234	0.1089	0.1048	0.1237	0.0774	0.0816	0.1576	0.0696	0.0798	0.1122	0.1426	0.0696	0.0797	0.1170	0.0531
56	0.2232	0.3476	0.1169	0.1124	0.1324	0.0827	0.0872	0.1682	0.0743	0.0850	0.1193	0.1514	0.0738	0.0844	0.1237	0.0560
57	0.2404	0.3740	0.1257	0.1207	0.1420	0.0885	0.0932	0.1797	0.0793	0.0906	0.1271	0.1610	0.0784	0.0895	0.1309	0.0592
58	0.2590	0.4028	0.1352	0.1297	0.1525	0.0950	0.0998	0.1921	0.0847	0.0967	0.1356	0.1715	0.0833	0.0950	0.1388	0.0627
59	0.2793	0.4340	0.1456	0.1396	0.1639	0.1020	0.1070	0.2057	0.0905	0.1033	0.1447	0.1830	0.0888	0.1011	0.1474	0.0664
60	0.3012	0.4680	0.1569	0.1503	0.1763	0.1096	0.1149	0.2206	0.0969	0.1104	0.1545	0.1953	0.0947	0.1077	0.1568	0.0705

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	0.3250	0.5047	0.1692	0.1620	0.1899	0.1179	0.1235	0.2369	0.1040	0.1183	0.1652	0.2086	0.1011	0.1148	0.1670	0.0750
62	0.3506	0.5446	0.1825	0.1746	0.2046	0.1270	0.1329	0.2546	0.1116	0.1268	0.1769	0.2230	0.1079	0.1226	0.1781	0.0799
63	0.3783	0.5875	0.1969	0.1884	0.2206	0.1368	0.1431	0.2739	0.1200	0.1362	0.1897	0.2388	0.1154	0.1309	0.1901	0.0852
64	0.4080	0.6339	0.2124	0.2032	0.2380	0.1475	0.1542	0.2950	0.1291	0.1464	0.2037	0.2561	0.1236	0.1400	0.2031	0.0910
65	0.4397	0.6836	0.2292	0.2193	0.2567	0.1591	0.1663	0.3178	0.1390	0.1575	0.2189	0.2749	0.1325	0.1499	0.2171	0.0972
66	0.4735	0.7369	0.2472	0.2366	0.2770	0.1717	0.1794	0.3427	0.1498	0.1696	0.2356	0.2955	0.1423	0.1607	0.2324	0.1039
67	0.5088	0.7935	0.2664	0.2551	0.2988	0.1852	0.1935	0.3696	0.1615	0.1827	0.2537	0.3180	0.1529	0.1726	0.2493	0.1113
68	0.5455	0.8526	0.2869	0.2750	0.3223	0.1998	0.2088	0.3988	0.1742	0.1970	0.2733	0.3424	0.1645	0.1855	0.2676	0.1193
69	0.5835	0.9141	0.3083	0.2961	0.3474	0.2155	0.2252	0.4303	0.1879	0.2125	0.2947	0.3690	0.1772	0.1996	0.2877	0.1281
70	0.6230	0.9778	0.3305	0.3182	0.3741	0.2323	0.2429	0.4642	0.2028	0.2293	0.3179	0.3978	0.1909	0.2149	0.3095	0.1377
71	0.6643	1.0000	0.3535	0.3411	0.4020	0.2501	0.2618	0.5006	0.2188	0.2474	0.3430	0.4291	0.2058	0.2316	0.3333	0.1481
72	0.6886	1.0000	0.3774	0.3649	0.4310	0.2688	0.2820	0.5396	0.2359	0.2669	0.3700	0.4629	0.2220	0.2497	0.3592	0.1595
73	0.6886	1.0000	0.4025	0.3896	0.4610	0.2882	0.3030	0.5811	0.2543	0.2878	0.3992	0.4995	0.2395	0.2693	0.3872	0.1719
74	0.6886	1.0000	0.4172	0.4154	0.4922	0.3083	0.3248	0.6244	0.2739	0.3102	0.4305	0.5389	0.2584	0.2906	0.4177	0.1853
75	0.6886	1.0000	0.4172	0.4306	0.5248	0.3291	0.3475	0.6694	0.2943	0.3341	0.4641	0.5811	0.2788	0.3135	0.4506	0.1999
76	0.6886	1.0000	0.4172	0.4306	0.5440	0.3509	0.3710	0.7161	0.3155	0.3590	0.4998	0.6264	0.3007	0.3382	0.4862	0.2157
77	0.6886	1.0000	0.4172	0.4306	0.5440	0.3638	0.3956	0.7646	0.3375	0.3848	0.5370	0.6746	0.3241	0.3648	0.5245	0.2327
78	0.6886	1.0000	0.4172	0.4306	0.5440	0.3638	0.4100	0.8152	0.3603	0.4117	0.5757	0.7248	0.3490	0.3932	0.5657	0.2510
79	0.6886	1.0000	0.4172	0.4306	0.5440	0.3638	0.4100	0.8451	0.3842	0.4395	0.6158	0.7771	0.3750	0.4234	0.6098	0.2708
80	0.6886	1.0000	0.4172	0.4306	0.5440	0.3638	0.4100	0.8451	0.3982	0.4687	0.6575	0.8313	0.4021	0.4549	0.6567	0.2918
81	0.6886	1.0000	0.4172	0.4306	0.5440	0.3638	0.4100	0.8451	0.3982	0.4858	0.7011	0.8875	0.4301	0.4877	0.7056	0.3143
82	0.6886	1.0000	0.4172	0.4306	0.5440	0.3638	0.4100	0.8451	0.3982	0.4858	0.7267	0.9463	0.4592	0.5217	0.7564	0.3377
83	0.6886	1.0000	0.4172	0.4306	0.5440	0.3638	0.4100	0.8451	0.3982	0.4858	0.7267	0.9809	0.4897	0.5570	0.8092	0.3620
84	0.6886	1.0000	0.4172	0.4306	0.5440	0.3638	0.4100	0.8451	0.3982	0.4858	0.7267	0.9809	0.5076	0.5940	0.8639	0.3873
85	0.6886	1.0000	0.4172	0.4306	0.5440	0.3638	0.4100	0.8451	0.3982	0.4858	0.7267	0.9809	0.5076	0.6157	0.9212	0.4135
86	0.6886	1.0000	0.4172	0.4306	0.5440	0.3638	0.4100	0.8451	0.3982	0.4858	0.7267	0.9809	0.5076	0.6157	0.9549	0.4409
87	0.6886	1.0000	0.4172	0.4306	0.5440	0.3638	0.4100	0.8451	0.3982	0.4858	0.7267	0.9809	0.5076	0.6157	0.9549	0.4570
88	0.6886	1.0000	0.4172	0.4306	0.5440	0.3638	0.4100	0.8451	0.3982	0.4858	0.7267	0.9809	0.5076	0.6157	0.9549	0.4570
89	0.6886	1.0000	0.4172	0.4306	0.5440	0.3638	0.4100	0.8451	0.3982	0.4858	0.7267	0.9809	0.5076	0.6157	0.9549	0.4570
90	0.6886	1.0000	0.4172	0.4306	0.5440	0.3638	0.4100	0.8451	0.3982	0.4858	0.7267	0.9809	0.5076	0.6157	0.9549	0.4570
91	0.6886	1.0000	0.4172	0.4306	0.5440	0.3638	0.4100	0.8451	0.3982	0.4858	0.7267	0.9809	0.5076	0.6157	0.9549	0.4570
92	1.0000	1.0000	0.4172	0.4306	0.5440	0.3638	0.4100	0.8451	0.3982	0.4858	0.7267	0.9809	0.5076	0.6157	0.9549	0.4570
93	1.0000	1.0000	0.4172	0.4306	0.5440	0.3638	0.4100	0.8451	0.3982	0.4858	0.7267	0.9809	0.5076	0.6157	0.9549	0.4570
94	1.0000	1.0000	1.0000	0.4306	0.5440	0.3638	0.4100	0.8451	0.3982	0.4858	0.7267	0.9809	0.5076	0.6157	0.9549	0.4570
95	1.0000	1.0000	1.0000	1.0000	0.5440	0.3638	0.4100	0.8451	0.3982	0.4858	0.7267	0.9809	0.5076	0.6157	0.9549	0.4570
96	1.0000	1.0000	1.0000	1.0000	1.0000	0.3638	0.4100	0.8451	0.3982	0.4858	0.7267	0.9809	0.5076	0.6157	0.9549	0.4570
97	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.4100	0.8451	0.3982	0.4858	0.7267	0.9809	0.5076	0.6157	0.9549	0.4570
98	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.8451	0.3982	0.4858	0.7267	0.9809	0.5076	0.6157	0.9549	0.4570
99	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.3982	0.4858	0.7267	0.9809	0.5076	0.6157	0.9549	0.4570
100	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.4858	0.7267	0.9809	0.5076	0.6157	0.9549	0.4570
101	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.7267	0.9809	0.5076	0.6157	0.9549	0.4570
102	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9809	0.5076	0.6157	0.9549	0.4570
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	0.5076	0.6157	0.9549	0.4570
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	0.6157	0.9549	0.4570
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	0.9549	0.4570
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	0.4570
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 @ 3/31/18	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	83.51	5,512,784	107	51,382	0.709	57.48	0.688	11,104,092	132,967	0.956
1990	46.77	2,621,890	78	33,605	0.464	25.40	0.543	6,011,555	128,534	0.924
1991	111.55	8,250,692	99	83,577	1.153	127.75	1.145	18,701,264	167,649	1.205
1992	251.72	13,422,202	218	61,539	0.849	207.44	0.824	37,035,683	147,130	1.057
1993	203.42	14,764,797	180	81,877	1.129	123.05	0.605	24,643,897	121,148	0.871
1994	124.71	3,639,116	87	41,623	0.574	90.04	0.722	13,175,665	105,650	0.759
1995	150.39	9,332,073	105	89,013	1.228	177.17	1.178	22,357,155	148,661	1.068
1996	126.59	7,928,938	119	66,900	0.923	113.22	0.894	20,802,266	164,328	1.181
1997	251.74	9,921,990	145	68,272	0.942	169.45	0.673	27,643,813	109,811	0.789
1998	321.30	17,164,332	195	87,959	1.213	348.85	1.086	47,632,453	148,249	1.066
1999	72.52	3,766,966	48	77,975	1.076	76.98	1.062	14,500,036	199,945	1.437
2000	103.25	4,569,225	82	55,783	0.769	68.69	0.665	15,329,842	148,473	1.067
2001	119.92	5,511,283	55	99,842	1.377	159.87	1.333	21,600,951	180,128	1.295
2002	359.90	11,538,524	169	68,458	0.944	335.24	0.931	53,639,861	149,041	1.071
2003	66.08	3,604,342	36	99,266	1.369	93.13	1.409	13,604,921	205,886	1.480
2004	164.70	3,588,496	56	63,727	0.879	119.92	0.728	23,070,339	140,075	1.007
2005	192.06	5,311,997	73	72,371	0.998	123.47	0.643	25,078,015	130,574	0.938
2006	283.53	7,204,248	84	85,632	1.181	319.92	1.128	39,884,167	140,670	1.011
2007	157.64	7,834,021	61	128,743	1.776	267.66	1.698	29,298,569	185,857	1.336
2008	324.52	3,738,040	70	53,669	0.740	215.67	0.665	47,212,706	145,485	1.046
2009	336.50	5,204,071	70	74,397	1.026	352.48	1.047	51,837,367	154,049	1.107
2010	229.95	1,667,353	30	55,727	0.769	154.73	0.673	25,401,254	110,464	0.794
2011	340.13	3,106,939	48	64,259	0.886	286.54	0.842	43,484,841	127,848	0.919
2012	261.20	1,436,490	29	50,297	0.694	171.77	0.658	26,172,875	100,202	0.720
2013	184.46	2,660,011	25	107,824	1.487	256.11	1.388	24,786,841	134,375	0.966
2014	217.35	2,780,666	24	116,786	1.611	299.14	1.376	27,433,939	126,220	0.907
2015	120.75	677,386	7	103,894	1.433	169.10	1.400	12,905,498	106,878	0.768
2016										
2017										
2018										
Totals / Avg.	5,206.16	166,758,873	2,300	72,500				724,349,862	139,133	

Notes: (a) See Appendix E, Exhibit VI, Sheets 2a to 2f, Column (4).  
 (b) See Appendix E, Exhibit VI, Sheets 2a to 2f, Column (5).  
 (c) See Appendix E, Exhibit VI, Sheets 2a to 2f, Column (6).  
 (d) Based on column (5) divided by the average for all birth years.  
 (e) See Appendix E, Exhibit VI, Sheets 2a to 2f, Column (9).  
 (f) See Appendix E, Exhibit VI, Sheets 2a to 2f, 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 @ 3/31/18	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)
1989			4.61	1,916,942	27.38	70,012	0.966	4.45		650,801	141,172	1.015
1989			36.05	1,316,611	26.70	49,311	0.680	24.52		4,397,944	121,996	0.877
1989			13.90	732,615	26.63	27,511	0.379	5.27		1,622,310	116,713	0.839
1989			28.95	1,546,615	26.58	58,187	0.803	23.23		4,433,037	153,127	1.101
<b>Subtotals / Avg. BY 1989:</b>			<b>83.51</b>	<b>5,512,784</b>	<b>107.29</b>	<b>51,382</b>	<b>0.709</b>	<b>57.48</b>	<b>0.688</b>	<b>11,104,092</b>	<b>132,967</b>	<b>0.956</b>
1990			20.00	1,221,149	26.29	46,449	0.641	12.81		3,431,807	171,590	1.233
1990			17.83	1,258,165	25.99	48,410	0.668	11.91		2,250,244	126,205	0.907
1990			8.94	142,575	25.74	5,539	0.076	0.68		329,505	36,857	0.265
<b>Subtotals / Avg. BY 1990:</b>			<b>46.77</b>	<b>2,621,890</b>	<b>78.02</b>	<b>33,605</b>	<b>0.464</b>	<b>25.40</b>	<b>0.543</b>	<b>6,011,555</b>	<b>128,534</b>	<b>0.924</b>
1991			23.30	2,364,164	26.09	90,616	1.250	29.12		4,438,690	190,502	1.369
1991			28.01	2,788,735	24.54	113,640	1.567	43.90		4,493,703	160,432	1.153
1991			42.25	1,668,518	24.50	68,103	0.939	39.69		6,961,161	164,761	1.184
1991			17.99	1,429,275	23.59	60,588	0.836	15.03		2,807,710	156,071	1.122
<b>Subtotals / Avg. BY 1991:</b>			<b>111.55</b>	<b>8,250,692</b>	<b>98.72</b>	<b>83,577</b>	<b>1.153</b>	<b>127.75</b>	<b>1.145</b>	<b>18,701,264</b>	<b>167,649</b>	<b>1.205</b>
1992			45.53	714,698	25.86	27,637	0.381	17.36		4,732,457	103,942	0.747
1992			18.55	1,970,153	25.62	76,899	1.061	19.68		3,037,309	163,736	1.177
1992			25.00	2,327,192	24.40	95,377	1.316	32.89		4,404,361	176,174	1.266
1992			28.93	1,638,077	23.96	68,367	0.943	27.28		4,727,032	163,396	1.174
1992			33.79	1,012,046	23.96	42,239	0.583	19.69		3,958,062	117,137	0.842
1992			17.89	293,785	23.94	12,272	0.169	3.03		2,214,930	123,808	0.890
1992			26.97	2,863,878	23.52	121,764	1.680	45.30		4,520,150	167,599	1.205
1992			27.93	1,390,579	23.43	59,350	0.819	22.86		5,281,145	189,085	1.359
1992			27.13	1,211,795	23.42	51,742	0.714	19.36		4,160,237	153,345	1.102
<b>Subtotals / Avg. BY 1992:</b>			<b>251.72</b>	<b>13,422,202</b>	<b>218.11</b>	<b>61,539</b>	<b>0.849</b>	<b>207.44</b>	<b>0.824</b>	<b>37,035,683</b>	<b>147,130</b>	<b>1.057</b>
1993			45.72	113,345	24.20	4,684	0.065	2.95		3,355,096	73,384	0.527
1993			30.00	695,779	23.10	30,120	0.415	12.46		4,187,867	139,596	1.003
1993			4.64	1,453,278	23.00	63,186	0.872	4.04		883,549	190,420	1.369
1993			36.39	1,403,759	22.91	61,273	0.845	30.75		5,697,220	156,560	1.125
1993			42.19	491,535	22.83	21,530	0.297	12.53		2,083,349	49,380	0.355
1993			35.00	1,554,017	22.58	68,823	0.949	33.22		5,306,379	151,611	1.090
1993			4.48	6,476,500	22.35	289,776	3.997	17.91		1,746,964	389,947	2.803
1993			5.00	2,576,583	19.36	133,088	1.836	9.18		1,383,474	276,695	1.989
<b>Subtotals / Avg. BY 1993:</b>			<b>203.42</b>	<b>14,764,797</b>	<b>180.33</b>	<b>81,877</b>	<b>1.129</b>	<b>123.05</b>	<b>0.605</b>	<b>24,643,897</b>	<b>121,148</b>	<b>0.871</b>

Notes: (a) As provided by NICA management evaluated as of March 31, 2018.

(b) Number of years since date of claim as shown in column (3) to March 31, 2018.

(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 @ 3/31/18 (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)
1994			4.82	121,531	23.04	5,275	0.073	0.35		299,908	62,222	0.447
1994			36.25	1,140,884	21.92	52,048	0.718	26.02		4,820,100	132,968	0.956
1994			43.64	450,824	21.70	20,775	0.287	12.51		1,694,033	38,818	0.279
1994			40.00	1,925,877	20.77	92,724	1.279	51.16		6,361,624	159,041	1.143
<b>Subtotals / Avg. BY 1994:</b>			<b>124.71</b>	<b>3,639,116</b>	<b>87.43</b>	<b>41,623</b>	<b>0.574</b>	<b>90.04</b>	<b>0.722</b>	<b>13,175,665</b>	<b>105,650</b>	<b>0.759</b>
1995			27.07	3,232,271	21.53	150,129	2.071	56.06		4,935,882	182,338	1.311
1995			36.29	1,074,969	21.16	50,802	0.701	25.43		5,201,723	143,338	1.030
1995			14.45	1,786,525	21.02	84,992	1.172	16.94		2,482,244	171,782	1.235
1995			36.29	1,771,086	20.82	85,067	1.173	42.58		4,756,513	131,070	0.942
1995			36.29	1,467,222	20.31	72,241	0.996	36.16		4,980,793	137,250	0.986
<b>Subtotals / Avg. BY 1995:</b>			<b>150.39</b>	<b>9,332,073</b>	<b>104.84</b>	<b>89,013</b>	<b>1.228</b>	<b>177.17</b>	<b>1.178</b>	<b>22,357,155</b>	<b>148,661</b>	<b>1.068</b>
1996			36.32	1,125,137	21.57	52,162	0.719	26.13		6,697,831	184,412	1.325
1996			33.85	1,606,868	21.13	76,047	1.049	35.51		5,246,334	154,988	1.114
1996			15.00	2,703,698	20.44	132,275	1.824	27.37		3,303,722	220,248	1.583
1996			4.80	349,211	19.92	17,531	0.242	1.16		735,777	153,287	1.102
1996			9.34	1,608,313	18.04	89,153	1.230	11.49		1,488,866	159,408	1.146
1996			27.28	535,711	17.42	30,753	0.424	11.57		3,329,736	122,058	0.877
<b>Subtotals / Avg. BY 1996:</b>			<b>126.59</b>	<b>7,928,938</b>	<b>118.52</b>	<b>66,900</b>	<b>0.923</b>	<b>113.22</b>	<b>0.894</b>	<b>20,802,266</b>	<b>164,328</b>	<b>1.181</b>
1997			40.00	838,157	19.93	42,055	0.580	23.20		3,643,983	91,100	0.655
1997			45.88	138,920	19.73	7,041	0.097	4.46		1,268,500	27,648	0.199
1997			36.35	644,805	19.59	32,915	0.454	16.50		3,562,199	97,997	0.704
1997			10.00	4,296,450	19.39	221,581	3.056	30.56		2,064,436	206,444	1.484
1997			27.31	1,320,856	18.82	70,184	0.968	26.44		4,307,144	157,713	1.134
1997			36.55	1,435,807	16.50	87,019	1.200	43.87		6,073,834	166,179	1.194
1997			19.30	1,028,253	15.73	65,369	0.902	17.40		2,915,226	151,048	1.086
1997			36.35	218,742	15.64	13,986	0.193	7.01		3,808,491	104,773	0.753
<b>Subtotals / Avg. BY 1997:</b>			<b>251.74</b>	<b>9,921,990</b>	<b>145.33</b>	<b>68,272</b>	<b>0.942</b>	<b>169.45</b>	<b>0.673</b>	<b>27,643,813</b>	<b>109,811</b>	<b>0.789</b>
1998			17.99	1,448,299	19.41	74,616	1.029	18.52		2,354,553	130,881	0.941
1998			36.58	1,967,154	19.22	102,349	1.412	51.64		7,298,019	199,508	1.434
1998			38.81	774,296	19.08	40,582	0.560	21.72		4,065,028	104,742	0.753
1998			42.31	2,025,018	18.88	107,257	1.479	62.59		7,032,714	166,219	1.195
1998			36.58	120,190	14.76	8,143	0.112	4.11		2,370,517	64,804	0.466
1998			36.58	1,166,754	18.81	62,028	0.856	31.30		4,347,753	118,856	0.854
1998			8.91	3,505,769	18.15	193,155	2.664	23.74		2,316,697	260,011	1.869
1998			36.37	1,138,405	17.21	66,148	0.912	33.18		4,670,934	128,428	0.923
1998			27.34	2,089,683	16.81	124,312	1.715	46.88		5,052,570	184,805	1.328
1998			35.00	1,714,144	16.48	104,014	1.435	50.21		7,272,714	207,792	1.493
1998			4.83	1,214,618	16.33	74,380	1.026	4.96		850,956	176,181	1.266
<b>Subtotals / Avg. BY 1998:</b>			<b>321.30</b>	<b>17,164,332</b>	<b>195.14</b>	<b>87,959</b>	<b>1.213</b>	<b>348.85</b>	<b>1.086</b>	<b>47,632,453</b>	<b>148,249</b>	<b>1.066</b>

Notes: (a) As provided by NICA management evaluated as of March 31, 2018.  
 (b) Number of years since date of claim as shown in column (3) to March 31, 2018.  
 (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 @ 3/31/18	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)
1999			27.15	1,587,565	18.06	87,905	1.212	32.92		6,044,013	222,616	1.600
1999			18.00	1,231,435	15.69	78,485	1.083	19.49		4,242,055	235,670	1.694
1999			27.37	947,966	14.56	65,108	0.898	24.58		4,213,969	153,963	1.107
<b>Subtotals / Avg. BY 1999:</b>			<b>72.52</b>	<b>3,766,966</b>	<b>48.31</b>	<b>77,975</b>	<b>1.076</b>	<b>76.98</b>	<b>1.062</b>	<b>14,500,036</b>	<b>199,945</b>	<b>1.437</b>
2000			15.00	375,013	17.21	21,790	0.301	4.51		2,675,812	178,387	1.282
2000			13.94	1,247,120	16.96	73,533	1.014	14.14		2,316,115	166,149	1.194
2000			14.47	1,899,847	16.41	115,774	1.597	23.11		2,939,275	203,129	1.460
2000			45.77	506,513	15.87	31,916	0.440	20.15		6,512,609	142,290	1.023
2000			14.07	540,732	15.46	34,976	0.482	6.79		886,031	62,973	0.453
<b>Subtotals / Avg. BY 2000:</b>			<b>103.25</b>	<b>4,569,225</b>	<b>81.91</b>	<b>55,783</b>	<b>0.769</b>	<b>68.69</b>	<b>0.665</b>	<b>15,329,842</b>	<b>148,473</b>	<b>1.067</b>
2001			19.38	1,696,557	15.32	110,741	1.527	29.60		4,549,549	234,755	1.687
2001			36.44	888,332	15.01	59,183	0.816	29.75		5,309,254	145,699	1.047
2001			36.68	1,078,847	12.79	84,351	1.163	42.68		5,916,113	161,290	1.159
2001			27.42	1,847,547	12.08	152,943	2.110	57.84		5,826,035	212,474	1.527
<b>Subtotals / Avg. BY 2001:</b>			<b>119.92</b>	<b>5,511,283</b>	<b>55.20</b>	<b>99,842</b>	<b>1.377</b>	<b>159.87</b>	<b>1.333</b>	<b>21,600,951</b>	<b>180,128</b>	<b>1.295</b>
2002			10.00	855,565	15.37	55,665	0.768	7.68		1,082,545	108,254	0.778
2002			24.17	2,166,096	14.85	145,865	2.012	48.63		6,020,885	249,106	1.790
2002			36.71	957,790	14.81	64,672	0.892	32.75		4,464,681	121,620	0.874
2002			24.24	1,566,838	14.06	111,439	1.537	37.26		3,607,700	148,833	1.070
2002			36.47	1,234,093	13.95	88,465	1.220	44.50		5,044,628	138,323	0.994
2002			18.65	465,435	13.45	34,605	0.477	8.90		2,843,315	152,457	1.096
2002			27.21	793,482	13.18	60,204	0.830	22.60		6,190,536	227,510	1.635
2002			27.45	905,903	13.05	69,418	0.957	26.28		3,448,421	125,626	0.903
2002			9.08	114,776	12.55	9,145	0.126	1.15		299,908	33,030	0.237
2002			47.32	702,175	11.04	63,603	0.877	41.51		5,286,563	111,719	0.803
2002			23.52	652,672	10.89	59,933	0.827	19.44		5,595,314	237,896	1.710
2002			29.03	1,005,077	10.75	93,496	1.290	37.44		4,586,880	158,005	1.136
2002			46.05	118,623	10.60	11,191	0.154	7.11		5,168,484	112,236	0.807
<b>Subtotals / Avg. BY 2002:</b>			<b>359.90</b>	<b>11,538,524</b>	<b>168.55</b>	<b>68,458</b>	<b>0.944</b>	<b>335.24</b>	<b>0.931</b>	<b>53,639,861</b>	<b>149,041</b>	<b>1.071</b>
2003			18.04	637,432	12.68	50,271	0.693	12.51		3,579,723	198,433	1.426
2003			30.00	1,319,001	12.19	108,204	1.492	44.77		5,790,498	193,017	1.387
2003			18.04	1,647,909	11.44	144,048	1.987	35.84		4,234,700	234,739	1.687
<b>Subtotals / Avg. BY 2003:</b>			<b>66.08</b>	<b>3,604,342</b>	<b>36.31</b>	<b>99,266</b>	<b>1.369</b>	<b>93.13</b>	<b>1.409</b>	<b>13,604,921</b>	<b>205,886</b>	<b>1.480</b>

Notes: (a) As provided by NICA management evaluated as of March 31, 2018.  
 (b) Number of years since date of claim as shown in column (3) to March 31, 2018.  
 (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 @ 3/31/18 (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)
2004			36.54	395,658	13.41	29,505	0.407	14.87		4,501,238	123,187	0.885
2004			20.00	1,428,877	12.38	115,418	1.592	31.84		4,398,498	219,925	1.581
2004			27.26	1,032,462	12.29	84,008	1.159	31.59		3,300,595	121,078	0.870
2004			45.90	172,828	9.13	18,930	0.261	11.98		3,251,301	70,834	0.509
2004			35.00	558,672	9.10	61,393	0.847	29.64		7,618,706	217,677	1.565
<b>Subtotals / Avg. BY 2004:</b>			<b>164.70</b>	<b>3,588,496</b>	<b>56.31</b>	<b>63,727</b>	<b>0.879</b>	<b>119.92</b>	<b>0.728</b>	<b>23,070,339</b>	<b>140,075</b>	<b>1.007</b>
2005			36.82	579,388	12.05	48,082	0.663	24.42		4,678,097	127,053	0.913
2005			35.00	762,059	11.33	67,260	0.928	32.47		6,661,133	190,318	1.368
2005			45.94	390,739	11.18	34,950	0.482	22.15		5,194,948	113,081	0.813
2005			4.83	1,795,370	10.51	170,825	2.356	11.38		1,119,053	231,688	1.665
2005			14.47	971,088	10.15	95,674	1.320	19.10		2,377,876	164,331	1.181
2005			50.00	116,288	9.60	12,113	0.167	8.35		3,895,984	77,920	0.560
2005			5.00	697,065	8.58	81,243	1.121	5.60		1,150,924	230,185	1.654
<b>Subtotals / Avg. BY 2005:</b>			<b>192.06</b>	<b>5,311,997</b>	<b>73.40</b>	<b>72,371</b>	<b>0.998</b>	<b>123.47</b>	<b>0.643</b>	<b>25,078,015</b>	<b>130,574</b>	<b>0.938</b>
2006			18.13	885,494	11.35	78,017	1.076	19.51		3,087,436	170,294	1.224
2006			27.58	930,260	10.85	85,738	1.183	32.62		4,287,823	155,469	1.117
2006			45.98	722,520	8.62	83,819	1.156	53.16		4,144,613	90,139	0.648
2006			27.34	2,682,880	9.60	279,467	3.855	105.39		8,248,990	301,719	2.169
2006			48.60	791,423	9.52	83,133	1.147	55.73		5,786,801	119,070	0.856
2006			15.00	339,022	9.27	36,572	0.504	7.57		2,292,853	152,857	1.099
2006			27.34	255,761	9.18	27,861	0.384	10.51		2,900,944	106,106	0.763
2006			27.58	392,462	8.43	46,555	0.642	17.71		4,056,193	147,070	1.057
2006			45.98	204,427	7.31	27,965	0.386	17.74		5,078,513	110,450	0.794
<b>Subtotals / Avg. BY 2006:</b>			<b>283.53</b>	<b>7,204,248</b>	<b>84.13</b>	<b>85,632</b>	<b>1.181</b>	<b>319.92</b>	<b>1.128</b>	<b>39,884,167</b>	<b>140,670</b>	<b>1.011</b>
2007			10.00	1,448,990	9.73	148,920	2.054	20.54		1,801,351	180,135	1.295
2007			15.00	776,047	9.47	81,948	1.130	16.95		1,966,465	131,098	0.942
2007			25.00	852,532	9.10	93,685	1.292	32.31		4,421,943	176,878	1.271
2007			46.25	1,178,711	8.98	131,260	1.810	83.73		9,207,744	199,086	1.431
2007			14.49	1,923,681	8.67	221,878	3.060	44.35		3,538,736	244,219	1.755
2007			10.00	934,318	8.10	115,348	1.591	15.91		1,947,865	194,786	1.400
2007			36.90	719,741	6.80	105,844	1.460	53.87		6,414,466	173,834	1.249
<b>Subtotals / Avg. BY 2007:</b>			<b>157.64</b>	<b>7,834,021</b>	<b>60.85</b>	<b>128,743</b>	<b>1.776</b>	<b>267.66</b>	<b>1.698</b>	<b>29,298,569</b>	<b>185,857</b>	<b>1.336</b>

Notes: (a) As provided by NICA management evaluated as of March 31, 2018.

(b) Number of years since date of claim as shown in column (3) to March 31, 2018.

(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 @ 3/31/18 (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)
2008			25.00	107,642	9.19	11,713	0.162	4.04		299,901	11,996	0.086
2008			36.93	627,651	9.00	69,739	0.962	35.52		5,977,969	161,873	1.163
2008			27.64	902,065	8.62	104,648	1.443	39.90		4,727,932	171,054	1.229
2008			48.63	131,767	8.15	16,168	0.223	10.84		4,798,556	98,675	0.709
2008			48.63	149,550	8.10	18,463	0.255	12.38		4,365,159	89,763	0.645
2008			27.41	1,130,855	7.84	144,242	1.990	54.53		6,589,895	240,419	1.728
2008			46.06	277,348	7.49	37,029	0.511	23.53		9,574,929	207,879	1.494
2008			24.22	202,477	6.59	30,725	0.424	10.26		4,864,492	200,846	1.444
2008			40.00	208,685	4.67	44,686	0.616	24.65		6,013,874	150,347	1.081
<b>Subtotals / Avg. BY 2008:</b>			<b>324.52</b>	<b>3,738,040</b>	<b>69.65</b>	<b>53,669</b>	<b>0.740</b>	<b>215.67</b>	<b>0.665</b>	<b>47,212,706</b>	<b>145,485</b>	<b>1.046</b>
2009			45.00	666,395	8.66	76,951	1.061	47.76		6,818,378	151,520	1.089
2009			28.14	653,280	7.93	82,381	1.136	31.98		5,042,507	179,194	1.288
2009			55.00	478,439	7.92	60,409	0.833	45.83		6,653,973	120,981	0.870
2009			20.00	605,481	7.80	77,626	1.071	21.41		3,604,588	180,229	1.295
2009			28.14	262,822	7.54	34,857	0.481	13.53		5,803,508	206,237	1.482
2009			30.00	470,099	7.12	66,025	0.911	27.32		6,215,892	207,196	1.489
2009			24.31	527,088	6.57	80,227	1.107	26.90		4,275,163	175,860	1.264
2009			47.50	112,348	6.57	17,100	0.236	11.20		3,746,952	78,883	0.567
2009			28.41	547,979	5.76	95,135	1.312	37.28		5,023,849	176,834	1.271
2009			30.00	880,140	4.08	215,720	2.975	89.26		4,652,557	155,085	1.115
<b>Subtotals / Avg. BY 2009:</b>			<b>336.50</b>	<b>5,204,071</b>	<b>69.95</b>	<b>74,397</b>	<b>1.026</b>	<b>352.48</b>	<b>1.047</b>	<b>51,837,367</b>	<b>154,049</b>	<b>1.107</b>
2010			34.07	708,233	7.01	101,032	1.394	47.48		4,011,631	117,747	0.846
2010			56.42	296,465	6.86	43,217	0.596	33.63		6,082,203	107,802	0.775
2010			47.37	123,273	5.51	22,373	0.309	14.62		4,689,340	98,994	0.712
2010			38.45	419,317	5.28	79,416	1.095	42.12		5,750,329	149,553	1.075
2010			53.64	120,064	5.26	22,826	0.315	16.89		4,867,752	90,749	0.652
<b>Subtotals / Avg. BY 2010:</b>			<b>229.95</b>	<b>1,667,353</b>	<b>29.92</b>	<b>55,727</b>	<b>0.769</b>	<b>154.73</b>	<b>0.673</b>	<b>25,401,254</b>	<b>110,464</b>	<b>0.794</b>
2011			29.38	590,531	6.50	90,851	1.253	36.82		4,969,341	169,140	1.216
2011			28.77	206,631	6.16	33,544	0.463	13.31		4,270,342	148,430	1.067
2011			28.93	634,435	5.48	115,773	1.597	46.20		4,479,658	154,845	1.113
2011			48.67	326,942	5.45	59,989	0.827	40.27		7,999,457	164,361	1.181
2011			38.19	189,435	5.45	34,759	0.479	18.31		5,664,129	148,314	1.066
2011			9.68	271,042	5.38	50,380	0.695	6.73		744,882	76,951	0.553
2011			48.67	262,627	4.02	65,330	0.901	43.86		5,207,304	106,992	0.769
2011			48.67	211,922	3.82	55,477	0.765	37.24		5,431,428	111,597	0.802
2011			49.33	148,895	3.25	45,814	0.632	31.17		3,043,786	61,703	0.443
2011			9.84	264,479	2.84	93,126	1.285	12.64		1,674,514	170,174	1.223
<b>Subtotals / Avg. BY 2011:</b>			<b>340.13</b>	<b>3,106,939</b>	<b>48.35</b>	<b>64,259</b>	<b>0.886</b>	<b>286.54</b>	<b>0.842</b>	<b>43,484,841</b>	<b>127,848</b>	<b>0.919</b>

- Notes: (a) As provided by NICA management evaluated as of March 31, 2018.  
 (b) Number of years since date of claim as shown in column (3) to March 31, 2018.  
 (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 @ 3/31/18	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) (13)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2012			38.86	341,532	5.59	61,097	0.843	32.75		7,116,216	183,124	1.316
2012			19.41	377,248	5.59	67,486	0.931	18.07		2,010,658	103,589	0.745
2012			48.33	137,780	4.22	32,649	0.450	21.76		3,813,705	78,910	0.567
2012			55.00	136,251	3.90	34,936	0.482	26.50		4,472,271	81,314	0.584
2012			40.00	302,583	3.10	97,607	1.346	53.85		3,677,608	91,940	0.661
2012			30.00	124,848	3.10	40,274	0.555	16.66		4,682,578	156,086	1.122
2012			29.60	16,248	3.06	5,310	0.073	2.17		399,839	13,508	0.097
<b>Subtotals / Avg. BY 2012:</b>			<b>261.20</b>	<b>1,436,490</b>	<b>28.56</b>	<b>50,297</b>	<b>0.694</b>	<b>171.77</b>	<b>0.658</b>	<b>26,172,875</b>	<b>100,202</b>	<b>0.720</b>
2013			10.00	585,593	5.10	114,822	1.584	15.84		1,732,633	173,263	1.245
2013			30.02	325,846	4.57	71,301	0.983	29.52		5,520,026	183,878	1.322
2013			29.63	265,422	3.98	66,689	0.920	27.26		3,720,301	125,559	0.902
2013			24.81	399,165	3.18	125,523	1.731	42.96		2,327,167	93,800	0.674
2013			20.00	448,148	3.15	142,269	1.962	39.25		3,772,513	188,626	1.356
2013			20.00	496,175	2.92	169,923	2.344	46.88		2,813,454	140,673	1.011
2013			50.00	139,661	1.77	78,905	1.088	54.42		4,900,748	98,015	0.704
<b>Subtotals / Avg. BY 2013:</b>			<b>184.46</b>	<b>2,660,011</b>	<b>24.67</b>	<b>107,824</b>	<b>1.487</b>	<b>256.11</b>	<b>1.388</b>	<b>24,786,841</b>	<b>134,375</b>	<b>0.966</b>
2014			11.49	613,653	3.67	167,208	2.306	26.50		1,764,585	153,576	1.104
2014			30.45	236,743	3.61	65,580	0.905	27.54		3,533,517	116,043	0.834
2014			15.00	431,647	3.19	135,313	1.866	28.00		2,281,460	152,097	1.093
2014			10.00	449,785	2.97	151,443	2.089	20.89		1,687,424	168,742	1.213
2014			30.45	403,103	2.76	146,052	2.015	61.34		4,036,077	132,548	0.953
2014			30.06	300,165	2.23	134,603	1.857	55.81		3,993,349	132,846	0.955
2014			39.90	12,162	2.05	5,933	0.082	3.27		4,797,022	120,226	0.864
2014			30.00	269,665	1.72	156,782	2.163	64.88		3,540,158	118,005	0.848
2014			20.00	63,742	1.61	39,591	0.546	10.92		1,800,348	90,017	0.647
<b>Subtotals / Avg. BY 2014:</b>			<b>217.35</b>	<b>2,780,666</b>	<b>23.81</b>	<b>116,786</b>	<b>1.611</b>	<b>299.14</b>	<b>1.376</b>	<b>27,433,939</b>	<b>126,220</b>	<b>0.907</b>
2015			40.00	115,381	2.13	54,169	0.747	29.89		3,446,053	86,151	0.619
2015			20.75	277,102	1.92	144,324	1.991	41.31		3,074,158	148,152	1.065
2015			20.00	176,747	1.58	111,865	1.543	30.86		2,278,892	113,945	0.819
2015			40.00	108,156	0.89	121,524	1.676	67.05		4,106,395	102,660	0.738
<b>Subtotals / Avg. BY 2015:</b>			<b>120.75</b>	<b>677,386</b>	<b>6.52</b>	<b>103,894</b>	<b>1.433</b>	<b>169.10</b>	<b>1.400</b>	<b>12,905,498</b>	<b>106,878</b>	<b>0.768</b>
<b>Totals / Averages:</b>			<b>5,206.16</b>	<b>166,758,873</b>	<b>2,300.13</b>	<b>72,500</b>				<b>724,349,862</b>	<b>139,133</b>	

Notes: (a) As provided by NICA management evaluated as of March 31, 2018.  
 (b) Number of years since date of claim as shown in column (3) to March 31, 2018.  
 (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				20.88			20.88	26.10
1990				15.59			15.59	19.49
1991				27.89			27.89	34.86
1992				27.97			27.97	34.96
1993				25.43			25.43	31.79
1994				31.18			31.18	38.98
1995				30.08			30.08	37.60
1996				21.10			21.10	26.38
1997				31.47			31.47	39.34
1998				29.21			29.21	36.51
1999				24.17			24.17	30.21
2000				20.65			20.65	25.81
2001				29.98			29.98	37.48
2002				27.68			27.68	34.60
2003				22.03			22.03	27.54
2004				32.94			32.94	41.18
2005				27.44			27.44	34.30
2006				31.50			31.50	39.38
2007				22.52			22.52	28.15
2008				36.06			36.06	45.08
2009				33.65			33.65	42.06
2010				45.99			45.99	57.49
2011				34.01			34.01	42.51
2012				37.31			37.31	46.64
2013	7	9	2	26.35	29.08	26.96	<b>27.00</b>	33.75
2014	9	14	5	24.15	29.08	25.91	<b>26.00</b>	32.50
2015	4	13	9	30.19	29.08	29.42	<b>30.00</b>	37.50
2016	-	11	11	-	29.08	29.08	<b>30.00</b>	37.50
2017	-	13	13	-	29.08	29.08	<b>30.00</b>	37.50
2018	-	4	4	-	29.08	29.08	<b>30.00</b>	37.50

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 2012 and prior, it is based on actual average remaining life expectancy by birth year as shown in column (5). For birth years 2013 and subsequent, see column (7).