

BRIGHOUSE LIFE INSURANCE COMPANY

Address: 1209 Orange Street, Wilmington, DE 19801

Actuarial Memorandum for the LTC4 Tax-Qualified Comprehensive Product

September 2017

Product or Rider

**Long Term Care
Annual 5% Compound Benefit Inflation Rider
Annual 5% Simple Benefit Inflation Rider
Cost of Living (CPI) Benefit Rider
Nonforfeiture Benefit Rider**

Form Number

**H-LTC4JQ9, et al.
H-5AIC-1
H-5AIS-2
H-COLR-1
H-NF3-4**

These policy forms are tax-qualified individual policy forms providing comprehensive long term care coverage. These forms were issued in Maryland from February 1998 through February 2001.

1. Purpose of Filing

This actuarial memorandum has been prepared for the purpose of documenting the rates and demonstrating that the anticipated loss ratio of this product with those rates meets the minimum requirements in the statutes of Maryland. It may not be suitable for other purposes.

2. Description of Benefits

These are individually underwritten policies which pay a daily benefit for Nursing Facility Care, Alzheimer's Facility Care, Assisted Living Facility Care, Hospice Facility Care, Bed Reservation, Respite Care provided in a Facility setting, Home Health Care, Home Hospice Care, Adult Day Care, and Respite Care provided in a Home or Community Based setting.

There are three Home Health Care options available at issue. The Standard ("Standard Benefits") option sets the daily benefit amount for Home and Community Based Care at 75% of the daily benefit amount for Nursing Facility Care. The Increased ("Increased Benefits") option sets the daily benefit amount for Home and Community Based Care at 100% of the daily benefit amount for Nursing Facility Care. The Reduced ("Reduced Benefits") option sets the daily benefit amount for Home and Community Based Care at 50% of the daily benefit amount for Nursing Facility Care.

Elimination periods are 20, 60, and 100 days. The elimination period applies to all benefits except the Informal Caregiver Training, Respite Care Benefit, Care Coordination Benefit, and Supplemental Benefits. The elimination period must be satisfied in full only once during the life of the contract.

Benefit periods are 2 years, 3 years, 5 years, and unlimited. Benefit eligibility is defined as having a 90-day certification period and not being able to perform at least two of six ADLs (dressing, eating, toileting, transferring, bathing, and continence) or cognitive impairment.

The most the company will pay for all services received on one day will be the daily benefit amount for Nursing Facility Care, except for Care Coordination benefits, Informal Caregiver Training benefits and Supplemental benefits, which may be paid in a lump sum.

Premiums will be waived if benefits, other than Respite Care, Care Coordination, Informal Caregiver Training or Supplemental, are being paid.

A 5% simple, a 5% compound, and a cost of living (CPI) inflation rider as well as a non-forfeiture rider are available options.

3. Renewability

These policy forms are guaranteed renewable for life.

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4. Applicability

This filing is applicable to in-force policies only as these policy forms are no longer being sold in the market. The premium changes will apply to the base form and all riders associated with the base form.

5. Actuarial Assumptions

- a. Morbidity. In 2015 Genworth long-term care (LTC) actuaries undertook a project to develop a completely new and up-to-date set of claim costs to be used for this block of business. Genworth is the administrator and a reinsurer for these policies. The claim costs were derived from Genworth’s 2014 best estimate morbidity assumptions used for older blocks of Genworth LTC business that correlate to the Brighthouse policy forms.

The Genworth best estimate claim cost assumptions were developed from first principles, using incidence rates, continuance rates, and utilization factors. These rates and factors were individually developed based upon experience from inception to fourth quarter of 2013. Incidence rates were developed by product, gender, attained age, and policy duration. Utilization factors were developed by product, situs, benefit inflation option, benefit period, claim age, diagnosis, and claim duration. Continuance was developed by situs, gender, claim age, and benefit period. The incidence rates, continuance, and utilization factors were then combined together to develop total life claim cost factors which can be applied to life years of LTC exposure adjusted for daily benefit amounts.

The Genworth LTC actuaries then customized the Genworth morbidity assumption for use with the Brighthouse policy forms based on the actual emerging experience of the Brighthouse policy forms. These claim costs provided by Genworth were used as the basis for the morbidity assumption in this filing.

The company reviewed emerging experience in 2016 and determined that no changes were needed to the morbidity assumption developed in 2015.

A cumulative 0.6% increase in morbidity is assumed due to adverse selection from the rate increase.

- b. Termination Rates. Historical termination rates are based on actual experience of these policy forms.

Future voluntary lapse rates vary by duration as developed from actual experience through December 31, 2015, including runout through June 30, 2016, and are shown in the following table:

Voluntary Lapse Rates

Policy Duration	Lapse Rate
1	6.0%
2	4.0%
3	2.5%
4	1.5%
5	1.3%
6	1.1%
7	1.0%
8+	0.8%

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A benefit exhaustion rate assumption, varying by benefit period, is applied to policies with non-lifetime benefit periods additively in conjunction with the lapse assumption. Policies with benefit periods less than 4 years have been mapped to the 3-year benefit period assumption while all other non-lifetime policies have been mapped to the 5-year benefit period assumption. The benefit exhaustion assumption is not applicable to policies with a lifetime benefit period. Benefit exhaustion rates were developed from actual experience through December 31, 2015, including runout through June 30, 2016, and are shown in the following table:

Assumed Benefit Exhaustion Rates

Attained Age	3-year Assumed Rates	5-year Assumed Rates	Attained Age	3-year Assumed Rates	5-year Assumed Rates
< 67	0.000%	0.000%	84	0.912%	0.667%
67	0.013%	0.006%	85	1.109%	0.806%
68	0.016%	0.008%	86	1.346%	0.971%
69	0.020%	0.010%	87	1.632%	1.168%
70	0.025%	0.013%	88	1.980%	1.405%
71	0.031%	0.016%	89	2.405%	1.684%
72	0.039%	0.021%	90	2.928%	2.013%
73	0.049%	0.026%	91	3.533%	2.394%
74	0.062%	0.033%	92	4.221%	2.835%
75	0.077%	0.042%	93	4.996%	3.336%
76	0.097%	0.053%	94	5.859%	3.909%
77	0.123%	0.069%	95	6.814%	4.552%
78	0.199%	0.131%	96	7.862%	5.287%
79	0.282%	0.198%	97	9.003%	6.107%
80	0.376%	0.272%	98	10.202%	6.999%
81	0.482%	0.353%	99	11.503%	8.001%
82	0.603%	0.444%	100	12.907%	9.134%
83	0.745%	0.547%	101+	12.907%	9.134%

In the year of rate increase implementation, an additional 1.0% of in-force policyholders are assumed to lapse, and a 1.5% reduction in premium and claims is expected due to the election of reduced benefits.

Future mortality is based on 1983 IAM with selection factors consistent with experience through December 31, 2015, including runout through June 30, 2016, and shown in the following table:

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Mortality Selection Factors

Policy Duration	Factor
1	30%
2	45%
3	51%
4	55%
5	59%
6	63%
7	66%
8	68%
9	69%
10	70%
11	71%
12	72%
13	73%
14	75%
15	77%
16	80%
17	84%
18	88%
19	91%
20	94%
21	96%
22	98%
23	100%
24	101%
25+	102%

- c. Expenses. Expenses have not been explicitly projected. It is assumed that the originally filed expense assumptions remain appropriate, except that commission will not be paid on any increase in premium.

The above assumptions are based on actual experience of the policies in-force under these policy forms and general experience of the reinsurer and are deemed reasonable for these particular policies. Exhibit I provides justification for the assumptions used in this filing.

Exhibit II provides an analysis of actual and projected nationwide experience with respect to changes in morbidity, mortality, lapse, and interest and how changing each assumption from original pricing to current impacts the projected lifetime loss ratio.

Exhibit III provides a comparison of the current and original pricing assumptions used to project the values in Exhibit II.

6. Marketing Method

These policy forms were marketed by agents as well as through various subsidiaries of Citigroup.

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7. Underwriting Description

These policy forms were fully underwritten with the use of various underwriting tools in addition to the application, which may have included medical records, an attending physician’s statement, telephone interview and/or face-to-face assessment.

8. Premiums

Premiums are unisex, level and payable for life. The premiums vary by issue age, elimination period, benefit period, initial daily benefit, level of community-based care benefits and inflation protection option.

9. Issue Age Range

Elimination periods of 20, 60, and 100 days are available for issue ages 18 to 79. Only the 60 and 100 day elimination periods of the 2-year benefit period are available for issue ages 80 through 84.

10. Area Factors

Area factors are not used for this product.

11. Premium Modalization Rules

The following modal factors and nationwide percent distributions (based on in-force count as of 12/31/2016) are applied to the annual premium (AP):

Premium Mode	Modal Factors	Percent Distribution
Annual	1.00*AP	53.4%
Semi-Annual	0.51*AP	14.4%
Quarterly	0.26*AP	14.8%
Monthly	0.09*AP	17.4%

12. Reserves

Active life reserves have not been used in this rate increase analysis. Claim reserves as of December 31, 2016 have been discounted to the incurred date of each respective claim and included in historical incurred claims. Incurred but not reported balances as of December 31, 2016 have been allocated to a calendar year of incurred and included in historic incurred claims.

13. Trend Assumptions

As this is not medical insurance, we have not included any explicit medical cost trends in the projections.

14. Past and Future Policy Experience

Nationwide experience for these policy forms is shown in Exhibit IV. The experience and projections in Exhibit IV have been restated to reflect the rate level approved in Maryland on a nationwide basis as described in Section 16. Maryland-specific experience for these policy forms is shown in Exhibit V.

The company has chosen a credibility standard of a 90% confidence interval for the number of claims with an error of plus or minus 5%. Based on these parameters, 1,082 claims (over the entire historical period) is the criterion for full credibility. Using this standard, the nationwide

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experience provided with this filing is 100.0% credible; whereas Maryland-specific experience is only 46.6% credible. The credibility percentages shown in the following table are determined as (Number of Claims / 1,082)^{1/2}.

Experience	Claim Count	Credibility
Maryland	235	46.6%
Nationwide	5,106	100.0%

Maryland-specific experience for the above-referenced forms is not considered fully credible, but is being provided as generally requested by the Administration.

Historical experience is shown by claim incurral year with the loss ratio for each loss year calculated by the following formula:

$$LR_j = \frac{\sum_{t=j}^{2016} Pmt_t^j * v^{t-j} + {}_jCR_{2016} * v^{2016-j+1/2} + {}_jIBNR_{2016} * v^{2016-j+1/2}}{EP_j}$$

LR_j = loss ratio for year j

Pmt_t^j = claim payments in year t on claims incurred in year j , assumed to occur mid-year

${}_jCR_{2016}$ = open claim reserve held on December 31, 2016 for claims incurred in year j

${}_jIBNR_{2016}$ = incurred but not reported reserve as of December 31, 2016 attributable to claims incurred in year j

EP_j = earned premium in year j , assumed mid-year

j = year of incurral

$V = 1 / 1.045 = 0.956938$

A future annual loss ratio is calculated, with and without interest, as anticipated incurred claims divided by earned premiums.

A lifetime loss ratio as of 12/31/2016 is calculated as the sum of accumulated past and discounted future claims divided by the sum of accumulated past and discounted future earned premium. Historical values are accumulated with interest using an interest rate of 4.5% from inception through 2014 and 4.0% for 2015 and 2016. Future values are discounted using an interest rate of 4.0%.

15. Projected Earned Premiums and Incurred Claims

Exhibits IV and V contain lifetime projections of earned premium and incurred claims based on the current premiums and the filed premium rate schedule increase. Earned premiums and incurred claims for projection years 2017 through 2056 are developed from an asset share model representing actual contracts in-force as of December 31, 2016. The assumptions described above for morbidity, voluntary lapse and mortality are used to project life years, earned premiums

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and incurred claims. The projections reflecting the rate increase assume that the increase is effective on each policy's first anniversary on or after January 1, 2018, but no sooner than 12 months after the prior rate increase was effective.

A large and complex Excel-based and Access-integrated model was used to project the earned premium, incurred claim, and end of year life values. A description of how the model works to project these values on a seriatim basis is provided in Exhibit VI.

Enclosed with this actuarial memorandum is an Excel workbook of Exhibits IV and V. This workbook contains formulas for the projected earned premium, incurred claims, and life years using illustrative factors, which are retained in this workbook.

16. History of Previous Rate Revisions

Five prior rate increases have been approved and implemented on these policy forms and associated riders. A 15.0% increase was approved on August 19, 2004 and implemented on each contract's next billing anniversary beginning December 4, 2004. A 15.0% increase was approved on August 13, 2010 and implemented on each contract's next billing anniversary beginning December 2, 2010. A 15.0% increase was approved on February 4, 2014 and implemented on each contract's next billing anniversary beginning September 27, 2014. A 15.0% increase was approved on June 16, 2015 and implemented on each contract's next billing anniversary beginning October 3, 2015. A 15.0% increase was approved on November 9, 2016 and implemented on each contract's next billing anniversary beginning February 4, 2017.

The experience and projections in Exhibit IV have been restated to reflect the rate level approved in Maryland on a nationwide basis. The restated nationwide projections assume the previously approved rate increases in Maryland were implemented on each policy's first anniversary on or after the effective dates of the prior rate increases in Maryland.

Exhibit VII provides a nationwide status listing of the current and all prior rate increase filings for each jurisdiction in which these policy forms are in force.

17. Requested Rate Increase and Demonstration of Satisfaction of Loss Ratio Requirements

Emerging experience continues to show the need for significant rate relief. The company is requesting a premium rate increase of 15.0% at this time. Even though the company believes a larger increase is needed to alleviate the poor performance on this block of business, it is limiting the increase to 15.0% to comply with COMAR 31.14.01.04(5).

The company is seeking approximately equal cumulative premium rate increases across all jurisdictions (except where limited by regulatory restrictions) and as such, is requesting a 21.0% increase in all jurisdictions plus the difference between past requests and prior approvals in each jurisdiction.

As mentioned above, the rate increase request is limited to 15.0% in Maryland in order to comply with COMAR 31.14.01.04(5). Absent this restriction, the company would be requesting a 38.3% rate increase in Maryland at this time. Exhibit VIII shows projected nationwide experience with a 38.3% rate increase. Similar to Exhibit IV, the experience and projections in Exhibit VIII have been restated to reflect the rate level approved in Maryland on a nationwide basis.

As shown in Exhibit VIII, the projected lifetime loss ratio would be 100.1% if the company were able to request a 38.3% rate increase. The company agrees to establish this as a target loss ratio for this product going forward. This means that any future rate increase requests will result in a lifetime loss ratio exceeding 100.1%. As the current 15.0% rate increase request does not achieve the target loss ratio of 100.1%, future rate increase requests are likely.

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Projected experience assuming the requested increase is implemented is shown in Exhibits IV and V. As shown in Exhibits IV and V, the expected lifetime loss ratio with and without the requested rate increase exceeds the minimum loss ratio of 60.0%.

Corresponding rate tables are included with this memorandum in Exhibit IX. The actual rates implemented may vary slightly from those in Exhibit IX due to rounding in the implementation algorithm.

18. Maryland Average Annual Premium (Annual Premium Based on 2016 In-force)

Before increase: \$3,383
After increase: \$3,891

19. Proposed Effective Date

The rate increase will apply to policies on their billing anniversary date following at least a 60-day policyholder notification period following approval, but no sooner than 12 months after the prior rate increase was effective.

20. Nationwide Distribution of Business as of 12/31/2016 (based on in-force count)

By Issue Age:

Issue Ages	Percent Distribution
< 48	4.6%
48 - 52	10.4%
53 - 57	22.1%
58 - 62	27.6%
63 - 67	21.3%
68 - 72	10.9%
73 +	3.1%

By Elimination Period:

Elimination Period	Percent Distribution
20-day	29.8%
60-day	15.5%
100-day	54.7%

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By Benefit Period:

Benefit Period	Percent Distribution
2-Year	4.2%
3-Year	29.9%
5-Year	34.7%
Unlimited	31.2%

By Inflation Protection Option:

Inflation Option	Percent Distribution
None	6.2%
Simple	26.2%
Compound	45.3%
CPI	22.3%

By Home Care (HC) Daily Benefit:

HC Benefit Option	Percent Distribution
Reduced	7.0%
Standard	22.0%
Increased	71.0%

21. Number of Policyholders

As of 12/31/2016, the number of policies in-force and annualized premium in the state and nationwide are:

	Number of Insured	Annual Premium* based on 2016 In-force
Maryland	1,268	\$4,290,214
Nationwide	21,461	\$66,007,521

*Annualized premiums reflect all prior rate increases approved prior to March 21, 2017.

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22. Actuarial Certification

I am a Principal and Consulting Actuary for Milliman, Inc. and have been retained by GNA Corporation (Genworth), a reinsurer of this business, to prepare this memorandum on behalf of Brighthouse Life Insurance Company. I am a Fellow of the Society of Actuaries and a member of the American Academy of Actuaries. I meet the Academy's qualification standards to render this actuarial opinion and am familiar with the requirements for filing long-term care insurance premium and rate increases. This memorandum has been prepared for the sole purpose stated, and it may not be appropriate for other purposes.

I believe this rate filing is in compliance with the applicable laws of the State of Maryland and with the rules of the Administration. This memorandum has been prepared in conformity with all applicable Actuarial Standards of Practice, including ASOP No. 8 and 18.

I hereby certify that, to the best of my knowledge and judgment, this rate submission is in compliance with the applicable laws and regulations of the state where it is filed. In my opinion, the actuarial assumptions are appropriate and the rates are not excessive or unfairly discriminatory. Furthermore, the gross premiums bear reasonable relationship to the benefits, based on the lifetime loss ratio exceeding the minimum loss ratio requirement.

In preparing this actuarial memorandum, I relied on data and assumptions provided to me by Union Fidelity Life Insurance Company, the retrocessionaire on this business, and Genworth. I did not audit this information but did review it for reasonableness and for consistency with the intended purpose. To the extent that this information is incomplete or inaccurate the contents of this memorandum may be materially affected.



Mike Bergerson, FSA, MAAA
Principal and Consulting Actuary, Milliman, Inc.

Date: September 18, 2017

Exhibit I
Brighthouse Life Insurance Company
Assumption Justification
LTC4 Tax-Qualified Comprehensive Policy Form

Voluntary Lapse

The voluntary lapse assumption for this policy form was developed from experience on all of Brighthouse's individual long-term care (LTC) policy forms combined.

Table 1 below provides a comparison of the actual voluntary lapse rates for all individual LTC policy forms combined through December 2015, including runout through June 2016, and the currently assumed voluntary lapse rates for this policy form.

Table 1
Actual and Assumed Voluntary Lapse Rates
Using Experience through December 2015

Duration	Actual Lapse Rates	Currently Assumed Lapse Rates
1	6.0%	6.0%
2	4.1%	4.0%
3	2.4%	2.5%
4	1.6%	1.5%
5	1.2%	1.3%
6	1.0%	1.1%
7	0.9%	1.0%
8 +	0.8%	0.8%

Table 2 below provides the benefit exhaustion rate assumption. This assumption which was embedded in the voluntary lapse assumption prior to 2014 is now split out as a separate assumption. This assumption, varying by benefit period, is applied to policies with non-lifetime benefit periods additively in conjunction with the lapse assumption. Policies with benefit periods less than 4 years have been mapped to the 3-year benefit period assumption while all other non-lifetime policies have been mapped to the 5-year benefit period assumption. The benefit exhaustion assumption is not applicable to policies with a lifetime benefit period. The assumption is based on actual benefit exhaustion experience for all individual LTC policy forms combined through December 2015, including runout through June 2016.

Table 2
Assumed Benefit Exhaustion Rates
Using Experience through December 2015

Attained Age	3-year Assumed Rates	5-year Assumed Rates	Attained Age	3-year Assumed Rates	5-year Assumed Rates
< 67	0.000%	0.000%	84	0.912%	0.667%
67	0.013%	0.006%	85	1.109%	0.806%
68	0.016%	0.008%	86	1.346%	0.971%
69	0.020%	0.010%	87	1.632%	1.168%
70	0.025%	0.013%	88	1.980%	1.405%
71	0.031%	0.016%	89	2.405%	1.684%
72	0.039%	0.021%	90	2.928%	2.013%
73	0.049%	0.026%	91	3.533%	2.394%
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75	0.077%	0.042%	93	4.996%	3.336%
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79	0.282%	0.198%	97	9.003%	6.107%
80	0.376%	0.272%	98	10.202%	6.999%
81	0.482%	0.353%	99	11.503%	8.001%
82	0.603%	0.444%	100	12.907%	9.134%
83	0.745%	0.547%	101+	12.907%	9.134%

Exhibit I
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In the year of rate increase implementation, an additional 1.0% of in-force policyholders are assumed to lapse, and a 1.5% reduction in premium and claims is expected due to the election of reduced benefits. These assumptions are loosely based on data from prior rate increase requests as well as actuarial judgment.

Mortality

The mortality assumption for this policy form was developed from experience on all of Brighthouse's individual LTC policy forms combined.

Future mortality is based on the 1983 Individual Annuitant Mortality Table with selection consistent with experience. Table 3 below provides a comparison of the actual selection experienced through December 2015, including runout through June 2016, and the currently assumed selection factors.

Table 3
Actual and Assumed Mortality Selection Factors
Using Experience through December 2015

Duration	Actual Selection Factors	Currently Assumed Selection Factors
1	29%	30%
2	48%	45%
3	51%	51%
4	56%	55%
5	57%	59%
6	64%	63%
7	66%	66%
8	68%	68%
9	69%	69%
10	69%	70%
11	70%	71%
12	73%	72%
13	75%	73%
14	75%	75%
15	75%	77%
16	81%	80%
17	81%	84%
18	89%	88%
19	90%	91%
20	93%	94%
21	93%	96%
22	98%	98%
23	105%	100%
24	114%	101%
25+	100%	102%

Exhibit I
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Assumption Justification
LTC4 Tax-Qualified Comprehensive Policy Form

Morbidity

In 2015 Genworth LTC actuaries undertook a project to develop a completely new and up-to-date set of claim costs to be used for this block of business. Genworth is the administrator and a reinsurer for these policies. The claim costs were derived from Genworth's 2014 best estimate morbidity assumptions used for older blocks of Genworth LTC business that correlate to the Brighthouse policy forms.

The Genworth best estimate claim cost assumptions were developed from first principles, using incidence rates, continuance rates, and utilization factors. These rates and factors were individually developed based upon experience from inception to fourth quarter of 2013. Incidence rates were developed by product, gender, attained age, and policy duration. Utilization factors were developed by product, situs, benefit inflation option, benefit period, claim age, diagnosis, and claim duration. Continuance was developed by situs, gender, claim age, and benefit period. The incidence rates, continuance, and utilization factors were then combined together to develop total life claim cost factors which can be applied to life years of LTC exposure adjusted for daily benefit amounts.

The Genworth LTC actuaries then customized the Genworth morbidity assumption for use with the Brighthouse policy forms based on the actual emerging experience of the Brighthouse policy forms. These claim costs provided by Genworth were used as the basis for the morbidity assumption in this filing.

The company reviewed emerging experience in 2016 and determined that no changes were needed to the morbidity assumption developed in 2015.

Table 4 below provides a projection of historical experience using the current morbidity assumption compared to actual historical experience for this policy form and other similar policy forms sold during the same issue era. As seen in this table, the assumption validates reasonably well to emerging experience.

Exhibit I
Brighthouse Life Insurance Company
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Table 4
Nationwide Historical Actual-to-Model Incurred Claim Projection Results (in 000's)

Policy Duration	Actual Incurred Claims	Model Incurred Claims	Actual To Model	Cumulative Actual Incurred Claims	Cumulative Model Incurred Claims	Cumulative Actual To Model
1	\$9,823	\$17,946	55%	\$9,823	\$17,946	55%
2	19,025	25,809	74%	28,848	43,755	66%
3	25,962	34,665	75%	54,810	78,420	70%
4	35,676	44,907	79%	90,486	123,327	73%
5	49,192	57,078	86%	139,679	180,405	77%
6	60,333	67,636	89%	200,011	248,041	81%
7	76,170	78,967	96%	276,182	327,009	84%
8	86,843	91,430	95%	363,024	418,439	87%
9	106,442	106,269	100%	469,466	524,708	89%
10	125,631	122,966	102%	595,097	647,673	92%
11	145,182	141,675	102%	740,279	789,349	94%
12	162,959	159,251	102%	903,237	948,600	95%
13	189,800	179,344	106%	1,093,038	1,127,944	97%
14	212,073	200,577	106%	1,305,111	1,328,521	98%
15	247,704	222,638	111%	1,552,814	1,551,159	100%
16	267,867	245,365	109%	1,820,681	1,796,524	101%
17	280,404	253,303	111%	2,101,086	2,049,828	103%
18	249,921	229,624	109%	2,351,006	2,279,452	103%
19	207,699	186,691	111%	2,558,705	2,466,143	104%
20	153,147	136,566	112%	2,711,852	2,602,709	104%
21	69,793	72,112	97%	2,781,645	2,674,820	104%
22	23,429	25,076	93%	2,805,074	2,699,896	104%
23	1,872	2,604	72%	2,806,946	2,702,500	104%

Exhibit I-a provides an analysis of the loss ratios using three-year groupings of the before increase values with experience restated to the originally filed rate level. The use of three-year groupings and restating of earned premium to the original rate level smooths the historical and projected loss ratios and aids in identifying the trend in claim experience. As seen in Exhibit I-a, the annualized trend in loss ratios is reasonably consistent from the historical to projection periods.

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Assumption Justification
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Interest Rate

The company has provided actual historical earned rates on the assets backing its LTC products in Table 5 below. Actual earned rates are unavailable prior to 2004. The historical earned rates are net of investment expenses and default risk, but are provided on both a pre-tax and post-tax basis.

Table 5
Historical Earned Investment Rates
Net of Investment Expenses and Default Risk

Calendar Year	Pre-Tax Rates	Post-Tax Rates
2004	6.19%	4.17%
2005	6.17%	4.16%
2006	6.38%	4.30%
2007	6.02%	4.06%
2008	5.14%	4.04%
2009	5.12%	4.03%
2010	5.92%	4.04%
2011	5.93%	4.05%
2012	5.77%	3.95%
2013	5.68%	3.89%
2014	5.56%	3.81%
2015	5.26%	3.61%
2016	5.22%	3.57%

A 4.5% interest rate assumption had been used for this block of business. However, based on the continued low interest rate environment, the company has revised its interest rate assumption to be 4.5% for historical years through 2014 and 4.0% for years 2015 and later (including all projection years). This assumption, like all assumptions, will continue to be monitored and updates will be made as the interest rate environment changes.

Expenses

Expenses have not been reflected in the projections for this filing. It is assumed that the originally filed expense assumptions remain appropriate.

Exhibit I-a
Brighthouse Life Insurance Company
Nationwide Three-Year Average Experience Projections Restated to the Original Rate Level with No Increase
LTC4 Tax-Qualified Comprehensive Policy Form

Loss Ratio Demonstration with Interest									
	Calendar Year Values				3-Year Totals			Analysis	
	Calendar Year	Earned Premium	Incurred Claims	Loss Ratio	Earned Premium	Incurred Claims	Loss Ratio	3-Year Trend	Annualized Trend
Historical Experience	1997	5,609	0	0.0%	17,372,595	529,698	3.0%		
	1998	17,366,986	529,698	3.1%					
	1999	66,167,794	2,056,142	3.1%					
	2000	110,964,541	8,986,257	8.1%	300,812,444	22,300,719	7.4%	2.43	1.34
	2001	123,680,109	11,258,321	9.1%					
	2002	115,469,491	18,527,738	16.0%					
	2003	108,044,339	20,826,409	19.3%	324,863,907	61,883,689	19.0%	2.57	1.37
	2004	101,350,077	22,529,542	22.2%					
	2005	94,083,758	32,257,275	34.3%					
	2006	87,828,153	32,269,880	36.7%	264,721,627	111,794,034	42.2%	2.22	1.30
	2007	82,809,716	47,266,879	57.1%					
	2008	78,251,517	45,675,552	58.4%					
	2009	73,673,458	57,385,961	77.9%	220,870,774	167,360,987	75.8%	1.79	1.22
	2010	68,945,800	64,299,474	93.3%					
	2011	63,781,186	75,788,978	118.8%					
	2012	59,313,056	75,421,037	127.2%	178,246,720	221,815,986	124.4%	1.64	1.18
2013	55,152,479	70,605,972	128.0%						
2014	50,889,758	84,037,890	165.1%						
2015	46,520,000	87,610,878	188.3%	139,576,670	258,216,371	185.0%	1.49	1.14	
2016	42,166,912	86,567,602	205.3%						
Projected Future Experience	2017	38,400,386	93,314,526	243.0%					
	2018	34,588,058	95,969,909	277.5%	103,968,106	286,217,449	275.3%	1.49	1.14
	2019	30,979,661	96,933,014	312.9%					
	2020	27,593,027	96,367,991	349.2%					
	2021	24,439,586	94,743,748	387.7%	73,559,454	283,504,479	385.4%	1.40	1.12
	2022	21,526,841	92,392,741	429.2%					
	2023	18,859,308	89,359,156	473.8%					
	2024	16,437,628	85,726,084	521.5%	49,553,769	256,616,633	517.9%	1.34	1.10
	2025	14,256,833	81,531,392	571.9%					
	2026	12,306,123	77,088,509	626.4%					
	2027	10,570,823	72,854,205	689.2%	31,911,923	218,797,106	685.6%	1.32	1.10
	2028	9,034,977	68,854,392	762.1%					
	2029	7,682,667	64,768,643	843.0%					
	2030	6,498,242	60,376,549	929.1%	19,647,400	180,924,096	920.9%	1.34	1.10
	2031	5,466,491	55,778,904	1020.4%					
	2032	4,572,746	51,050,458	1116.4%					
	2033	3,803,017	46,293,284	1217.3%	11,519,829	138,958,230	1206.3%	1.31	1.09
	2034	3,144,066	41,614,487	1323.6%					
	2035	2,583,454	37,094,549	1435.9%					
	2036	2,109,581	32,830,800	1556.3%	6,404,733	98,771,089	1542.2%	1.28	1.09
	2037	1,711,698	28,845,741	1685.2%					
	2038	1,379,918	25,141,111	1821.9%					
	2039	1,105,202	21,671,948	1960.9%	3,364,494	65,246,259	1939.3%	1.26	1.08
	2040	879,374	18,433,200	2096.2%					
	2041	695,093	15,486,641	2228.0%					
	2042	545,823	12,864,171	2356.8%	1,666,723	38,921,714	2335.2%	1.20	1.06
	2043	425,807	10,570,902	2482.6%					
	2044	330,025	8,583,644	2600.9%					
	2045	254,145	6,892,272	2711.9%	778,637	20,947,781	2690.3%	1.15	1.05
	2046	194,466	5,471,864	2813.8%					
2047	147,858	4,297,494	2906.5%						
2048	111,712	3,338,417	2988.4%	343,442	10,204,324	2971.2%	1.10	1.03	
2049	83,872	2,568,414	3062.3%						
2050	62,575	1,956,590	3126.8%						
2051	46,394	1,478,258	3186.3%	143,150	4,542,017	3172.9%	1.07	1.02	
2052	34,182	1,107,169	3239.0%						
2053	25,028	821,974	3284.2%						
2054	18,213	603,940	3315.9%	56,416	1,866,135	3307.8%	1.04	1.01	
2055	13,174	440,221	3341.6%						
2056	9,473	317,862	3355.6%						
Past		1,446,464,737	843,901,484	58.3%					
Future		302,927,547	1,605,835,174	530.1%					
Lifetime		1,749,392,285	2,449,736,658	140.0%					

Exhibit II
Brighthouse Life Insurance Company
Nationwide Experience
Impact on the Lifetime Loss Ratio of Changing from Original Pricing to Current Assumptions

The following table provides the isolated impact of each changed assumption (current versus original pricing) on the projected lifetime loss ratio when actual historical experience and rate history is reflected and only the projection assumptions vary. All of the lifetime loss ratios in the table below reflect actual historical experience, except for the loss ratio calculated using the original pricing assumptions from inception.

This table also shows the rate increase needed to produce a lifetime loss ratio of 77.1%. This lifetime loss ratio represents the maximum of the lifetime loss ratio based on (a) original pricing assumptions from inception and (b) historical experience and projections with original pricing assumptions.

Please note that the lifetime loss ratio for each changed assumption does not reflect any synergy of the assumptions. As a result, the total impact of all current assumptions on the lifetime loss ratio (e.g. 42.9%) is not equal to the sum of each changed assumptions' impact on the lifetime loss ratio (e.g. 32.8% = 6.9% + 2.3% + 8.0% + 15.6%).

LTC4 Tax-Qualified Comprehensive Policy Form

Scenario	Lifetime Loss Ratio	Impact of Each Assumption on the Lifetime Loss Ratio	Increase Needed to Produce a Lifetime Loss Ratio of 77.1%*
Original Pricing Assumptions	60.9%	N/A	N/A
Historical Experience & Projections with Original Pricing Assumptions	77.1%	N/A	0.0%
Historical Experience & Projections with Original Pricing Assumptions except for Current:			
Morbidity	84.0%	6.9%	70.1%
Mortality	79.4%	2.3%	22.8%
Lapse	85.1%	8.0%	70.0%
Interest	92.7%	15.6%	118.8%
Historical Experience & Projections with All Current Assumptions	120.0%	42.9%	263.0%

* Calculations ignore the effects of shock lapse, reduced benefit option election, and adverse selection due to the needed rate increase. Calculations do not include the effects of rate increases implemented after March 21, 2017 and assume that the needed rate increase is fully implemented on January 1, 2018.

Exhibit III
Brighthouse Life Insurance Company
Original Pricing & Current Assumptions Comparison

Policy Form: LTC4 Tax-Qualified Comprehensive Policy Form

Original Pricing Assumptions

Mortality: 1983 Group Annuity Mortality table

Voluntary Lapse Rates:

Duration	Rate
1+	4.25%

Morbidity: Data published by the National Center for Health Statistics ("NCHS") in 1977 and 1985, the Wilkins adjustments to the 1985 National Nursing Home Survey conducted by the NCHS, the 1982 and 1984 National Long Term Care Surveys, and the NCHS advance data publications #92 and #133.

Interest Rate: 6.5%

Exhibit III
Brighthouse Life Insurance Company
Original Pricing & Current Assumptions Comparison

Policy Form: LTC4 Tax-Qualified Comprehensive Policy Form

Current Assumptions

Mortality: 1983 Individual Annuitant Mortality Basic Table with selection.

Duration	Factor
1	30%
2	45%
3	51%
4	55%
5	59%
6	63%
7	66%
8	68%
9	69%
10	70%
11	71%
12	72%
13	73%
14	75%
15	77%
16	80%
17	84%
18	88%
19	91%
20	94%
21	96%
22	98%
23	100%
24	101%
25+	102%

Voluntary Lapse Rates:

Duration	Rate
1	6.0%
2	4.0%
3	2.5%
4	1.5%
5	1.3%
6	1.1%
7	1.0%
8+	0.8%

Exhibit III
Brighthouse Life Insurance Company
Original Pricing & Current Assumptions Comparison

Policy Form: LTC4 Tax-Qualified Comprehensive Policy Form

Current Assumptions

Voluntary Lapse Rates (Continued):

A benefit exhaustion rate assumption, varying by benefit period, is applied to policies with non-lifetime benefit periods additively in conjunction with the lapse assumption. Policies with benefit periods less than 4 years have been mapped to the 3-year benefit period assumption while all other non-lifetime policies have been mapped to the 5-year benefit period assumption. The benefit exhaustion assumption is not applicable to policies with a lifetime benefit period.

Attained Age	3-year Assumed Rates	5-year Assumed Rates	Attained Age	3-year Assumed Rates	5-year Assumed Rates
< 67	0.000%	0.000%	84	0.912%	0.667%
67	0.013%	0.006%	85	1.109%	0.806%
68	0.016%	0.008%	86	1.346%	0.971%
69	0.020%	0.010%	87	1.632%	1.168%
70	0.025%	0.013%	88	1.980%	1.405%
71	0.031%	0.016%	89	2.405%	1.684%
72	0.039%	0.021%	90	2.928%	2.013%
73	0.049%	0.026%	91	3.533%	2.394%
74	0.062%	0.033%	92	4.221%	2.835%
75	0.077%	0.042%	93	4.996%	3.336%
76	0.097%	0.053%	94	5.859%	3.909%
77	0.123%	0.069%	95	6.814%	4.552%
78	0.199%	0.131%	96	7.862%	5.287%
79	0.282%	0.198%	97	9.003%	6.107%
80	0.376%	0.272%	98	10.202%	6.999%
81	0.482%	0.353%	99	11.503%	8.001%
82	0.603%	0.444%	100	12.907%	9.134%
83	0.745%	0.547%	101+	12.907%	9.134%

Morbidity:

In 2015 Genworth long-term care (LTC) actuaries undertook a project to develop a completely new and up-to-date set of claim costs to be used for this block of business. Genworth is the administrator and a reinsurer for these policies. The claim costs were derived from Genworth's 2014 best estimate morbidity assumptions used for older blocks of Genworth LTC business that correlate to the Brighthouse policy forms.

The Genworth best estimate claim cost assumptions were developed from first principles, using incidence rates, continuance rates, and utilization factors. These rates and factors were individually developed based upon experience from inception to fourth quarter of 2013. Incidence rates were developed by product, gender, attained age, and policy duration. Utilization factors were developed by product, situs, benefit inflation option, benefit period, claim age, diagnosis, and claim duration. Continuance was developed by situs, gender, claim age, and benefit period. The incidence rates, continuance, and utilization factors were then combined together to develop total life claim cost factors which can be applied to life years of LTC exposure adjusted for daily benefit amounts.

The Genworth LTC actuaries then customized the Genworth morbidity assumption for use with the Brighthouse policy forms based on the actual emerging experience of the Brighthouse policy forms. These claim costs provided by Genworth were used as the basis for the morbidity assumption in this filing.

The company reviewed emerging experience in 2016 and determined that no changes were needed to the morbidity assumption developed in 2015.

Interest Rate:

4.5% from inception through 2014 and 4.0% for 2015 and beyond.

Exhibit IV
Brighthouse Life Insurance Company
Nationwide Experience Projections with No Increase
LTC4 Tax-Qualified Comprehensive Policy Form

	Calendar Year	Loss Ratio Demonstration							Interest Rate Factors	
		Without Interest			Life Years	With Interest			Calendar Year Effective Int Rate	Mid-Year Disc / Accum Factor
		Earned Premium	Incurred Claims	Loss Ratio		Earned Premium	Incurred Claims	Loss Ratio		
Historical Experience	1997	2,400	0	0.0%	15	5,609	0	0.0%	4.4%	2.3367
	1998	7,766,744	236,888	3.1%	10,311	17,366,986	529,698	3.1%	4.4%	2.2361
	1999	30,922,705	960,912	3.1%	23,193	66,167,794	2,056,142	3.1%	4.4%	2.1398
	2000	54,191,520	4,388,599	8.1%	33,816	110,964,541	8,986,257	8.1%	4.4%	2.0476
	2001	63,119,458	5,745,622	9.1%	33,187	123,680,109	11,258,321	9.1%	4.4%	1.9595
	2002	61,581,029	9,881,027	16.0%	32,244	115,469,491	18,527,738	16.0%	4.4%	1.8751
	2003	60,214,072	11,606,743	19.3%	31,479	108,044,339	20,826,409	19.3%	4.4%	1.7943
	2004	59,052,695	13,120,930	22.2%	30,648	101,397,548	22,529,542	22.2%	4.4%	1.7171
	2005	62,074,042	19,631,625	31.6%	29,739	101,995,607	32,257,275	31.6%	4.4%	1.6431
	2006	64,235,651	20,523,064	31.9%	29,077	101,002,303	32,269,880	31.9%	4.4%	1.5724
	2007	63,290,749	31,413,626	49.6%	28,492	95,231,163	47,266,879	49.6%	4.4%	1.5047
	2008	62,498,270	31,722,049	50.8%	27,894	89,989,236	45,675,552	50.8%	4.4%	1.4399
	2009	61,489,728	41,648,502	67.7%	27,192	84,724,468	57,385,961	67.7%	4.4%	1.3779
	2010	60,166,209	48,766,034	81.1%	26,507	79,330,946	64,299,474	81.1%	4.3%	1.3185
	2011	63,069,976	60,066,504	95.2%	25,671	79,578,612	75,788,978	95.2%	4.3%	1.2618
	2012	64,966,299	62,464,763	96.1%	24,917	78,441,435	75,421,037	96.1%	4.3%	1.2074
	2013	63,125,361	61,108,316	96.8%	24,149	72,936,512	70,605,972	96.8%	4.2%	1.1554
2014	61,193,592	76,006,427	124.2%	23,280	67,659,809	84,037,890	124.2%	4.1%	1.1057	
2015	64,537,017	82,605,321	128.0%	22,275	68,447,706	87,610,878	128.0%	4.0%	1.0606	
2016	69,488,386	84,886,518	122.2%	21,461	70,864,528	86,567,602	122.2%	4.0%	1.0198	
Projected Future Experience	2017	72,512,865	95,162,518	131.2%	20,402	71,104,714	93,314,526	131.2%	4.0%	0.9806
	2018	73,713,953	101,785,307	138.1%	19,303	69,502,383	95,969,909	138.1%	4.0%	0.9429
	2019	68,703,203	106,919,044	155.6%	18,173	62,286,458	96,933,014	155.6%	4.0%	0.9066
	2020	63,640,945	110,547,644	173.7%	17,025	55,477,889	96,367,991	173.7%	4.0%	0.8717
	2021	58,623,086	113,031,785	192.8%	15,867	49,138,133	94,743,748	192.8%	4.0%	0.8382
	2022	53,702,356	114,636,051	213.5%	14,713	43,282,264	92,392,741	213.5%	4.0%	0.8060
	2023	48,930,268	115,307,024	235.7%	13,573	37,919,351	89,359,156	235.7%	4.0%	0.7750
	2024	44,353,748	115,043,751	259.4%	12,460	33,050,671	85,726,084	259.4%	4.0%	0.7452
	2025	40,008,667	113,791,086	284.4%	11,382	28,666,238	81,531,392	284.4%	4.0%	0.7165
	2026	35,916,376	111,893,889	311.5%	10,346	24,744,335	77,088,509	311.5%	4.0%	0.6889
	2027	32,086,371	109,977,713	342.8%	9,356	21,255,462	72,854,205	342.8%	4.0%	0.6624
	2028	28,521,976	108,097,351	379.0%	8,417	18,167,544	68,854,392	379.0%	4.0%	0.6370
	2029	25,223,507	105,750,283	419.3%	7,530	15,448,586	64,768,643	419.3%	4.0%	0.6125
	2030	22,188,621	102,522,306	462.0%	6,699	13,067,130	60,376,549	462.0%	4.0%	0.5889
	2031	19,412,610	98,503,894	507.4%	5,925	10,992,602	55,778,904	507.4%	4.0%	0.5663
	2032	16,888,579	93,759,742	555.2%	5,209	9,195,521	51,050,458	555.2%	4.0%	0.5445
	2033	14,607,798	88,423,579	605.3%	4,551	7,647,767	46,293,284	605.3%	4.0%	0.5235
	2034	12,559,967	82,666,202	658.2%	3,952	6,322,736	41,614,487	658.2%	4.0%	0.5034
	2035	10,733,403	76,634,949	714.0%	3,409	5,195,420	37,094,549	714.0%	4.0%	0.4840
	2036	9,115,331	70,539,370	773.9%	2,922	4,242,505	32,830,800	773.9%	4.0%	0.4654
	2037	7,692,063	64,456,267	838.0%	2,488	3,442,385	28,845,741	838.0%	4.0%	0.4475
	2038	6,449,230	58,425,342	905.9%	2,104	2,775,179	25,141,111	905.9%	4.0%	0.4303
	2039	5,371,984	52,377,900	975.0%	1,768	2,222,719	21,671,948	975.0%	4.0%	0.4138
	2040	4,445,342	46,332,337	1042.3%	1,475	1,768,568	18,433,200	1042.3%	4.0%	0.3978
	2041	3,654,368	40,483,127	1107.8%	1,223	1,397,962	15,486,641	1107.8%	4.0%	0.3825
	2042	2,984,411	34,972,924	1171.9%	1,007	1,097,763	12,864,171	1171.9%	4.0%	0.3678
	2043	2,421,348	29,887,909	1234.3%	824	856,394	10,570,902	1234.3%	4.0%	0.3537
	2044	1,951,769	25,239,954	1293.2%	670	663,761	8,583,644	1293.2%	4.0%	0.3401
	2045	1,563,148	21,077,185	1348.4%	542	511,152	6,892,272	1348.4%	4.0%	0.3270
	2046	1,243,938	17,402,786	1399.0%	435	391,125	5,471,864	1399.0%	4.0%	0.3144
2047	983,642	14,214,517	1445.1%	347	297,386	4,297,494	1445.1%	4.0%	0.3023	
2048	772,905	11,483,935	1485.8%	276	224,686	3,338,417	1485.8%	4.0%	0.2907	
2049	603,499	9,188,583	1522.6%	217	168,691	2,568,414	1522.6%	4.0%	0.2795	
2050	468,270	7,279,753	1554.6%	170	125,858	1,956,590	1554.6%	4.0%	0.2688	
2051	361,069	5,720,057	1584.2%	133	93,313	1,478,258	1584.2%	4.0%	0.2584	
2052	276,671	4,455,512	1610.4%	103	68,751	1,107,169	1610.4%	4.0%	0.2485	
2053	210,685	3,440,131	1632.8%	79	50,340	821,974	1632.8%	4.0%	0.2389	
2054	159,450	2,628,718	1648.6%	61	36,633	603,940	1648.6%	4.0%	0.2297	
2055	119,946	1,992,757	1661.4%	46	26,497	440,221	1661.4%	4.0%	0.2209	
2056	89,696	1,496,428	1668.3%	35	19,053	317,862	1668.3%	4.0%	0.2124	
Past		1,096,985,904	666,783,471	60.8%	505,547	1,633,298,742	843,901,484	51.7%		
Future		793,267,064	2,487,549,610	313.6%	225,216	602,945,923	1,605,835,174	266.3%		
Lifetime		1,890,252,967	3,154,333,081	166.9%	730,763	2,236,244,665	2,449,736,658	109.5%		

Exhibit IV
Brighthouse Life Insurance Company
Nationwide Experience Projections with 15.0% Increase
LTC4 Tax-Qualified Comprehensive Policy Form

	Calendar Year	Loss Ratio Demonstration							Interest Rate Factors	
		Without Interest			Life Years	With Interest			Calendar Year Effective Int Rate	Mid-Year Disc / Accum Factor
		Earned Premium	Incurred Claims	Loss Ratio		Earned Premium	Incurred Claims	Loss Ratio		
Historical Experience	1997	2,400	0	0.0%	15	5,609	0	0.0%	4.4%	2.3367
	1998	7,766,744	236,888	3.1%	10,311	17,366,986	529,698	3.1%	4.4%	2.2361
	1999	30,922,705	960,912	3.1%	23,193	66,167,794	2,056,142	3.1%	4.4%	2.1398
	2000	54,191,520	4,388,599	8.1%	33,816	110,964,541	8,986,257	8.1%	4.4%	2.0476
	2001	63,119,458	5,745,622	9.1%	33,187	123,680,109	11,258,321	9.1%	4.4%	1.9595
	2002	61,581,029	9,881,027	16.0%	32,244	115,469,491	18,527,738	16.0%	4.4%	1.8751
	2003	60,214,072	11,606,743	19.3%	31,479	108,044,339	20,826,409	19.3%	4.4%	1.7943
	2004	59,052,695	13,120,930	22.2%	30,648	101,397,548	22,529,542	22.2%	4.4%	1.7171
	2005	62,074,042	19,631,625	31.6%	29,739	101,995,607	32,257,275	31.6%	4.4%	1.6431
	2006	64,235,651	20,523,064	31.9%	29,077	101,002,303	32,269,880	31.9%	4.4%	1.5724
	2007	63,290,749	31,413,626	49.6%	28,492	95,231,163	47,266,879	49.6%	4.4%	1.5047
	2008	62,498,270	31,722,049	50.8%	27,894	89,989,236	45,675,552	50.8%	4.4%	1.4399
	2009	61,489,728	41,648,502	67.7%	27,192	84,724,468	57,385,961	67.7%	4.4%	1.3779
	2010	60,166,209	48,766,034	81.1%	26,507	79,330,946	64,299,474	81.1%	4.3%	1.3185
	2011	63,069,976	60,066,504	95.2%	25,671	79,578,612	75,788,978	95.2%	4.3%	1.2618
	2012	64,966,299	62,464,763	96.1%	24,917	78,441,435	75,421,037	96.1%	4.3%	1.2074
	2013	63,125,361	61,108,316	96.8%	24,149	72,936,512	70,605,972	96.8%	4.2%	1.1554
2014	61,193,592	76,006,427	124.2%	23,280	67,659,809	84,037,890	124.2%	4.1%	1.1057	
2015	64,537,017	82,605,321	128.0%	22,275	68,447,706	87,610,878	128.0%	4.0%	1.0606	
2016	69,488,386	84,886,518	122.2%	21,461	70,864,528	86,567,602	122.2%	4.0%	1.0198	
Projected Future Experience	2017	72,512,865	95,162,518	131.2%	20,402	71,104,714	93,314,526	131.2%	4.0%	0.9806
	2018	77,994,910	100,831,729	129.3%	19,109	73,538,751	95,070,812	129.3%	4.0%	0.9429
	2019	77,045,322	104,917,842	136.2%	17,991	69,849,440	95,118,721	136.2%	4.0%	0.9066
	2020	71,368,392	108,478,526	152.0%	16,854	62,214,157	94,564,273	152.0%	4.0%	0.8717
	2021	65,741,252	110,916,172	168.7%	15,709	55,104,611	92,970,431	168.7%	4.0%	0.8382
	2022	60,223,034	112,490,410	186.8%	14,566	48,537,708	90,663,427	186.8%	4.0%	0.8060
	2023	54,871,507	113,148,825	206.2%	13,437	42,523,616	87,686,623	206.2%	4.0%	0.7750
	2024	49,739,295	112,890,479	227.0%	12,335	37,063,769	84,121,551	227.0%	4.0%	0.7452
	2025	44,866,622	111,661,260	248.9%	11,268	32,146,966	80,005,371	248.9%	4.0%	0.7165
	2026	40,277,436	109,799,573	272.6%	10,243	27,748,856	75,645,645	272.6%	4.0%	0.6889
	2027	35,982,381	107,919,262	299.9%	9,263	23,836,355	71,490,594	299.9%	4.0%	0.6624
	2028	31,985,188	106,074,095	331.6%	8,333	20,373,494	67,565,646	331.6%	4.0%	0.6370
	2029	28,286,210	103,770,957	366.9%	7,455	17,324,393	63,556,369	366.9%	4.0%	0.6125
	2030	24,882,820	100,603,398	404.3%	6,632	14,653,775	59,246,482	404.3%	4.0%	0.5889
	2031	21,769,739	96,660,198	444.0%	5,866	12,327,352	54,734,892	444.0%	4.0%	0.5663
	2032	18,939,234	92,004,843	485.8%	5,157	10,312,065	50,094,948	485.8%	4.0%	0.5445
	2033	16,381,514	86,768,557	529.7%	4,506	8,576,379	45,426,814	529.7%	4.0%	0.5235
	2034	14,085,030	81,118,940	575.9%	3,912	7,090,459	40,835,590	575.9%	4.0%	0.5034
	2035	12,036,680	75,200,574	624.8%	3,375	5,826,261	36,400,251	624.8%	4.0%	0.4840
	2036	10,222,138	69,219,086	677.1%	2,893	4,757,641	32,216,306	677.1%	4.0%	0.4654
	2037	8,626,053	63,249,840	733.2%	2,463	3,860,368	28,305,835	733.2%	4.0%	0.4475
	2038	7,232,312	57,331,796	792.7%	2,083	3,112,149	24,670,545	792.7%	4.0%	0.4303
	2039	6,024,264	51,397,544	853.2%	1,750	2,492,607	21,266,315	853.2%	4.0%	0.4138
	2040	4,985,107	45,465,135	912.0%	1,461	1,983,312	18,088,186	912.0%	4.0%	0.3978
	2041	4,098,091	39,725,405	969.4%	1,211	1,567,707	15,196,778	969.4%	4.0%	0.3825
	2042	3,346,786	34,318,337	1025.4%	997	1,231,056	12,623,392	1025.4%	4.0%	0.3678
	2043	2,715,355	29,328,497	1080.1%	816	960,380	10,373,046	1080.1%	4.0%	0.3537
	2044	2,188,758	24,767,538	1131.6%	664	744,356	8,422,985	1131.6%	4.0%	0.3401
	2045	1,752,950	20,682,684	1179.9%	536	573,217	6,763,270	1179.9%	4.0%	0.3270
2046	1,394,980	17,077,059	1224.2%	431	438,616	5,369,447	1224.2%	4.0%	0.3144	
2047	1,103,078	13,948,464	1264.5%	344	333,495	4,217,058	1264.5%	4.0%	0.3023	
2048	866,754	11,268,990	1300.1%	273	251,968	3,275,931	1300.1%	4.0%	0.2907	
2049	676,778	9,016,600	1332.3%	215	189,174	2,520,341	1332.3%	4.0%	0.2795	
2050	525,129	7,143,498	1360.3%	169	141,140	1,919,968	1360.3%	4.0%	0.2688	
2051	404,911	5,612,995	1386.2%	131	104,643	1,450,589	1386.2%	4.0%	0.2584	
2052	310,265	4,372,118	1409.2%	102	77,099	1,086,446	1409.2%	4.0%	0.2485	
2053	236,267	3,375,742	1428.8%	78	56,453	806,589	1428.8%	4.0%	0.2389	
2054	178,811	2,579,517	1442.6%	60	41,081	592,636	1442.6%	4.0%	0.2297	
2055	134,511	1,955,458	1453.8%	46	29,715	431,981	1453.8%	4.0%	0.2209	
2056	100,587	1,468,420	1459.9%	35	21,366	311,913	1459.9%	4.0%	0.2124	
Past		1,096,985,904	666,783,471	60.8%	505,547	1,633,298,742	843,901,484	51.7%		
Future		876,113,315	2,443,722,881	278.9%	223,168	663,120,663	1,578,422,524	238.0%		
Lifetime		1,973,099,219	3,110,506,352	157.6%	728,715	2,296,419,405	2,422,324,008	105.5%		

Exhibit V
Brighthouse Life Insurance Company
Maryland-Specific Experience Projections with No Increase
LTC4 Tax-Qualified Comprehensive Policy Form

	Calendar Year	Loss Ratio Demonstration							Interest Rate Factors	
		Without Interest			Life Years	With Interest			Calendar Year Effective Int Rate	Mid-Year Disc / Accum Factor
		Earned Premium	Incurred Claims	Loss Ratio		Earned Premium	Incurred Claims	Loss Ratio		
Historical Experience	1997	0	0	0.0%	0	0	0	0.0%	0.0%	0.0000
	1998	374,366	0	0.0%	583	837,108	0	0.0%	4.4%	2.2361
	1999	1,631,932	8,549	0.5%	1,295	3,491,976	18,293	0.5%	4.4%	2.1398
	2000	2,717,696	212,995	7.8%	1,816	5,564,855	436,137	7.8%	4.4%	2.0476
	2001	3,131,419	388,379	12.4%	1,803	6,135,893	761,014	12.4%	4.4%	1.9595
	2002	3,105,293	937,743	30.2%	1,766	5,822,680	1,758,345	30.2%	4.4%	1.8751
	2003	3,058,490	316,267	10.3%	1,730	5,487,963	567,489	10.3%	4.4%	1.7943
	2004	3,012,378	214,774	7.1%	1,692	5,172,461	368,781	7.1%	4.4%	1.7171
	2005	3,167,501	565,676	17.9%	1,648	5,204,610	929,478	17.9%	4.4%	1.6431
	2006	3,289,875	1,558,674	47.4%	1,622	5,172,905	2,450,814	47.4%	4.4%	1.5724
	2007	3,274,583	1,093,139	33.4%	1,609	4,927,139	1,644,804	33.4%	4.4%	1.5047
	2008	3,242,402	864,232	26.7%	1,574	4,668,630	1,244,380	26.7%	4.4%	1.4399
	2009	3,182,943	3,117,834	98.0%	1,544	4,385,662	4,295,951	98.0%	4.4%	1.3779
	2010	3,111,006	2,906,577	93.4%	1,503	4,101,955	3,832,409	93.4%	4.3%	1.3185
	2011	3,279,971	2,891,620	88.2%	1,472	4,138,507	3,648,504	88.2%	4.3%	1.2618
	2012	3,412,422	2,171,343	63.6%	1,445	4,120,218	2,621,717	63.6%	4.3%	1.2074
	2013	3,338,394	3,846,218	115.2%	1,403	3,857,258	4,444,010	115.2%	4.2%	1.1554
2014	3,224,340	3,689,197	114.4%	1,361	3,565,050	4,079,028	114.4%	4.1%	1.1057	
2015	3,377,700	1,664,232	49.3%	1,307	3,582,375	1,765,078	49.3%	4.0%	1.0606	
2016	3,641,350	4,493,735	123.4%	1,268	3,713,463	4,582,729	123.4%	4.0%	1.0198	
Projected Future Experience	2017	3,845,612	4,790,765	124.6%	1,212	3,770,932	4,697,731	124.6%	4.0%	0.9806
	2018	3,942,188	5,227,027	132.6%	1,153	3,716,955	4,928,387	132.6%	4.0%	0.9429
	2019	3,706,378	5,585,309	150.7%	1,093	3,360,210	5,063,652	150.7%	4.0%	0.9066
	2020	3,465,084	5,872,693	169.5%	1,030	3,020,627	5,119,418	169.5%	4.0%	0.8717
	2021	3,222,661	6,103,613	189.4%	966	2,701,249	5,116,076	189.4%	4.0%	0.8382
	2022	2,981,593	6,295,111	211.1%	902	2,403,062	5,073,645	211.1%	4.0%	0.8060
	2023	2,744,433	6,437,542	234.6%	838	2,126,846	4,988,884	234.6%	4.0%	0.7750
	2024	2,513,631	6,526,398	259.6%	774	1,873,059	4,863,216	259.6%	4.0%	0.7452
	2025	2,291,160	6,554,588	286.1%	712	1,641,618	4,696,367	286.1%	4.0%	0.7165
	2026	2,078,345	6,542,851	314.8%	651	1,431,861	4,507,651	314.8%	4.0%	0.6889
	2027	1,875,974	6,528,152	348.0%	593	1,242,730	4,324,543	348.0%	4.0%	0.6624
	2028	1,684,585	6,508,205	386.3%	536	1,073,024	4,145,509	386.3%	4.0%	0.6370
	2029	1,504,576	6,452,478	428.9%	482	921,504	3,951,935	428.9%	4.0%	0.6125
	2030	1,336,232	6,334,015	474.0%	431	786,922	3,730,173	474.0%	4.0%	0.5889
	2031	1,179,732	6,156,592	521.9%	383	668,036	3,486,237	521.9%	4.0%	0.5663
	2032	1,035,164	5,922,471	572.1%	338	563,628	3,224,677	572.1%	4.0%	0.5445
	2033	902,513	5,642,574	625.2%	296	472,502	2,954,113	625.2%	4.0%	0.5235
	2034	781,644	5,327,758	681.6%	258	393,483	2,682,014	681.6%	4.0%	0.5034
	2035	672,312	4,986,638	741.7%	223	325,427	2,413,743	741.7%	4.0%	0.4840
	2036	574,174	4,631,660	806.7%	191	267,235	2,155,691	806.7%	4.0%	0.4654
	2037	486,796	4,264,484	876.0%	163	217,853	1,908,460	876.0%	4.0%	0.4475
	2038	409,646	3,889,665	949.5%	137	176,276	1,673,768	949.5%	4.0%	0.4303
	2039	342,117	3,502,420	1023.7%	115	141,555	1,449,166	1023.7%	4.0%	0.4138
	2040	283,533	3,107,035	1095.8%	96	112,803	1,236,126	1095.8%	4.0%	0.3978
	2041	233,165	2,718,313	1165.8%	79	89,196	1,039,879	1165.8%	4.0%	0.3825
	2042	190,249	2,347,440	1233.9%	65	69,980	863,464	1233.9%	4.0%	0.3678
	2043	154,022	2,000,283	1298.7%	53	54,475	707,470	1298.7%	4.0%	0.3537
	2044	123,729	1,677,622	1355.9%	42	42,078	570,528	1355.9%	4.0%	0.3401
	2045	98,637	1,394,259	1413.5%	34	32,255	455,925	1413.5%	4.0%	0.3270
	2046	78,048	1,144,106	1465.9%	27	24,540	359,735	1465.9%	4.0%	0.3144
2047	61,308	926,974	1512.0%	21	18,535	280,253	1512.0%	4.0%	0.3023	
2048	47,820	737,365	1542.0%	17	13,901	214,354	1542.0%	4.0%	0.2907	
2049	37,047	579,066	1563.0%	13	10,356	161,862	1563.0%	4.0%	0.2795	
2050	28,516	450,141	1578.5%	10	7,664	120,985	1578.5%	4.0%	0.2688	
2051	21,813	346,233	1587.3%	8	5,637	89,478	1587.3%	4.0%	0.2584	
2052	16,589	262,947	1585.1%	6	4,122	65,341	1585.1%	4.0%	0.2485	
2053	12,546	198,298	1580.5%	5	2,998	47,381	1580.5%	4.0%	0.2389	
2054	9,441	149,048	1578.7%	4	2,169	34,243	1578.7%	4.0%	0.2297	
2055	7,072	111,242	1573.1%	3	1,562	24,574	1573.1%	4.0%	0.2209	
2056	5,277	82,551	1564.5%	2	1,121	17,535	1564.5%	4.0%	0.2124	
Past		56,574,061	30,941,182	54.7%	28,441	83,950,706	39,448,959	47.0%		
Future		44,985,362	148,315,931	329.7%	13,961	33,789,986	93,444,190	276.5%		
Lifetime		101,559,424	179,257,113	176.5%	42,402	117,740,692	132,893,149	112.9%		

Exhibit V
Brighthouse Life Insurance Company
Maryland-Specific Experience Projections with 15.0% Increase
LTC4 Tax-Qualified Comprehensive Policy Form

	Calendar Year	Loss Ratio Demonstration						Interest Rate Factors		
		Without Interest			Life Years	With Interest			Calendar Year Effective Int Rate	Mid-Year Disc / Accum Factor
		Earned Premium	Incurred Claims	Loss Ratio		Earned Premium	Incurred Claims	Loss Ratio		
Historical Experience	1997	0	0	0.0%	0	0	0	0.0%	0.0%	0.0000
	1998	374,366	0	0.0%	583	837,108	0	0.0%	4.4%	2.2361
	1999	1,631,932	8,549	0.5%	1,295	3,491,976	18,293	0.5%	4.4%	2.1398
	2000	2,717,696	212,995	7.8%	1,816	5,564,855	436,137	7.8%	4.4%	2.0476
	2001	3,131,419	388,379	12.4%	1,803	6,135,893	761,014	12.4%	4.4%	1.9595
	2002	3,105,293	937,743	30.2%	1,766	5,822,680	1,758,345	30.2%	4.4%	1.8751
	2003	3,058,490	316,267	10.3%	1,730	5,487,963	567,489	10.3%	4.4%	1.7943
	2004	3,012,378	214,774	7.1%	1,692	5,172,461	368,781	7.1%	4.4%	1.7171
	2005	3,167,501	565,676	17.9%	1,648	5,204,610	929,478	17.9%	4.4%	1.6431
	2006	3,289,875	1,558,674	47.4%	1,622	5,172,905	2,450,814	47.4%	4.4%	1.5724
	2007	3,274,583	1,093,139	33.4%	1,609	4,927,139	1,644,804	33.4%	4.4%	1.5047
	2008	3,242,402	864,232	26.7%	1,574	4,668,630	1,244,380	26.7%	4.4%	1.4399
	2009	3,182,943	3,117,834	98.0%	1,544	4,385,662	4,295,951	98.0%	4.4%	1.3779
	2010	3,111,006	2,906,577	93.4%	1,503	4,101,955	3,832,409	93.4%	4.3%	1.3185
	2011	3,279,971	2,891,620	88.2%	1,472	4,138,507	3,648,504	88.2%	4.3%	1.2618
	2012	3,412,422	2,171,343	63.6%	1,445	4,120,218	2,621,717	63.6%	4.3%	1.2074
	2013	3,338,394	3,846,218	115.2%	1,403	3,857,258	4,444,010	115.2%	4.2%	1.1554
2014	3,224,340	3,689,197	114.4%	1,361	3,565,050	4,079,028	114.4%	4.1%	1.1057	
2015	3,377,700	1,664,232	49.3%	1,307	3,582,375	1,765,078	49.3%	4.0%	1.0606	
2016	3,641,350	4,493,735	123.4%	1,268	3,713,463	4,582,729	123.4%	4.0%	1.0198	
Projected Future Experience	2017	3,845,612	4,790,765	124.6%	1,212	3,770,932	4,697,731	124.6%	4.0%	0.9806
	2018	4,169,015	5,179,171	124.2%	1,142	3,930,823	4,883,265	124.2%	4.0%	0.9429
	2019	4,156,416	5,480,769	131.9%	1,082	3,768,215	4,968,876	131.9%	4.0%	0.9066
	2020	3,885,823	5,762,773	148.3%	1,020	3,387,399	5,023,598	148.3%	4.0%	0.8717
	2021	3,613,965	5,989,372	165.7%	957	3,029,241	5,020,319	165.7%	4.0%	0.8382
	2022	3,343,625	6,177,286	184.7%	893	2,694,848	4,978,681	184.7%	4.0%	0.8060
	2023	3,077,669	6,317,051	205.3%	829	2,385,093	4,895,507	205.3%	4.0%	0.7750
	2024	2,818,842	6,404,244	227.2%	766	2,100,490	4,772,191	227.2%	4.0%	0.7452
	2025	2,569,359	6,431,906	250.3%	705	1,840,947	4,608,465	250.3%	4.0%	0.7165
	2026	2,330,702	6,420,388	275.5%	645	1,605,721	4,423,282	275.5%	4.0%	0.6889
	2027	2,103,760	6,405,965	304.5%	587	1,393,626	4,243,601	304.5%	4.0%	0.6624
	2028	1,889,132	6,386,391	338.1%	531	1,203,314	4,067,917	338.1%	4.0%	0.6370
	2029	1,687,265	6,331,707	375.3%	478	1,033,396	3,877,967	375.3%	4.0%	0.6125
	2030	1,498,480	6,215,461	414.8%	427	882,472	3,660,356	414.8%	4.0%	0.5889
	2031	1,322,979	6,041,359	456.6%	379	749,151	3,420,986	456.6%	4.0%	0.5663
	2032	1,160,856	5,811,620	500.6%	335	632,065	3,164,321	500.6%	4.0%	0.5445
	2033	1,012,098	5,536,962	547.1%	293	529,874	2,898,821	547.1%	4.0%	0.5235
	2034	876,553	5,228,038	596.4%	255	441,260	2,631,815	596.4%	4.0%	0.5034
	2035	753,945	4,893,303	649.0%	221	364,941	2,368,565	649.0%	4.0%	0.4840
	2036	643,892	4,544,969	705.9%	189	299,684	2,115,343	705.9%	4.0%	0.4654
	2037	545,904	4,184,666	766.6%	161	244,305	1,872,739	766.6%	4.0%	0.4475
	2038	459,386	3,816,862	830.9%	136	197,679	1,642,440	830.9%	4.0%	0.4303
	2039	383,658	3,436,865	895.8%	114	158,743	1,422,042	895.8%	4.0%	0.4138
	2040	317,961	3,048,881	958.9%	95	126,500	1,212,989	958.9%	4.0%	0.3978
	2041	261,477	2,667,434	1020.1%	78	100,027	1,020,415	1020.1%	4.0%	0.3825
	2042	213,350	2,303,503	1079.7%	64	78,477	847,303	1079.7%	4.0%	0.3678
	2043	172,724	1,962,844	1136.4%	52	61,090	694,228	1136.4%	4.0%	0.3537
	2044	138,753	1,646,222	1186.4%	42	47,187	559,850	1186.4%	4.0%	0.3401
	2045	110,614	1,368,163	1236.9%	34	36,171	447,391	1236.9%	4.0%	0.3270
	2046	87,525	1,122,692	1282.7%	27	27,520	353,002	1282.7%	4.0%	0.3144
2047	68,752	909,624	1323.1%	21	20,786	275,008	1323.1%	4.0%	0.3023	
2048	53,626	723,563	1349.3%	17	15,589	210,342	1349.3%	4.0%	0.2907	
2049	41,546	568,228	1367.7%	13	11,613	158,832	1367.7%	4.0%	0.2795	
2050	31,979	441,716	1381.3%	10	8,595	118,721	1381.3%	4.0%	0.2688	
2051	24,462	339,753	1388.9%	8	6,322	87,804	1388.9%	4.0%	0.2584	
2052	18,603	258,025	1387.0%	6	4,623	64,118	1387.0%	4.0%	0.2485	
2053	14,070	194,586	1383.0%	5	3,362	46,494	1383.0%	4.0%	0.2389	
2054	10,587	146,259	1381.4%	4	2,432	33,602	1381.4%	4.0%	0.2297	
2055	7,930	109,160	1376.5%	3	1,752	24,114	1376.5%	4.0%	0.2209	
2056	5,917	81,006	1369.0%	2	1,257	17,207	1369.0%	4.0%	0.2124	
Past		56,574,061	30,941,182	54.7%	28,441	83,950,706	39,448,959	47.0%		
Future		49,728,813	145,679,551	292.9%	13,833	37,197,522	91,830,247	246.9%		
Lifetime		106,302,875	176,620,734	166.1%	42,274	121,148,228	131,279,206	108.4%		

Exhibit VI
Brighthouse Life Insurance Company
Projection Model Description

A large and complex Excel-based and Access-integrated model was used to project the earned premium, incurred claim, and end of year life values. A description of how the model works to project these values on a seriatim basis is provided below.

Enclosed with this actuarial memorandum is an Excel workbook of Exhibits IV and V. This workbook contains formulas for the projected earned premium, incurred claims, and life years using the illustrative factors, which are retained in this workbook.

The projection system performs calculations at a policy level.

Projection of Earned Premium – the following steps are performed in relation to the projection of earned premium:

- a) A lifetime policy year projection of earned premium is performed from issue for each policy, where each projection year's earned premium is developed based on the annualized premium issued for the policy and the current assumptions for lapse and mortality. The policy year projection is then converted to a calendar year projection based on the policy's issue date. From this calendar year projection, a set of calendar year "expected premium persistency factors" are calculated as the ratio of earned premium from one calendar year to the next. These "expected premium persistency factors" are later used to develop future calendar year earned premium projected from the actual earned premium amount in the last historical calendar year of experience for the policy (see b below).
- b) Beginning with the actual in-force premium earned for each policy as of the last historical calendar year of experience, a 40-year projection of earned premium on a calendar year basis is performed for each policy by multiplying the prior calendar year earned premium for in-force business on that policy by the "expected premium persistency factor" for the current calendar projection year (see a above).
- c) Total projected earned premium for each future calendar year for a policy form is then determined by adding the earned premium by calendar year from each policy.

Projection of Incurred Claims – the following steps are performed in relation to the projection of incurred claims:

- a) A lifetime policy year projection of incurred claims is performed from issue for each policy, where each projection year's incurred claims are developed based on the daily benefit issued for the policy and the current assumptions for lapse, mortality, and morbidity. The policy year projection for the policy is then converted to a calendar year projection based on the policy's issue date. From this projection of incurred claims and the earned premiums from step a above, a set of calendar year "current expected loss ratios" are developed based on the relationship of expected incurred claims to expected earned premium for each calendar year. These "current expected loss ratios" are later used to develop the future projected calendar year incurred claims based on the future projected calendar year earned premiums for the policy (see b below).
- b) A 40-year projection of incurred claims on a calendar year basis is developed for each policy by multiplying each future calendar year's projected earned premium (calculated as explained above) by the "current expected loss ratio" for the projection calendar year.
- c) Total projected incurred claims for each future calendar year for a policy form are then determined by adding the incurred claims by calendar year from each policy.

Projected Life Years – the following steps are performed in relation to the projection of life years:

- a) A lifetime policy year projection of life years is performed from issue for each policy, where each projection life year is developed based on the current assumptions for lapse and mortality. The policy year projection for the policy is then converted to a calendar year projection based on the policy's issue date. From this calendar year projection, a set of calendar year "expected life year persistency factors" are calculated as the ratio of the life years from one calendar year to the next. These "expected life year persistency factors" are later used to develop future calendar year life years projected from the actual life years amount in the last historical calendar year of experience for the policy (see b below).

Exhibit VI
Brighthouse Life Insurance Company
Projection Model Description

- b) Beginning with the actual in-force life years for each policy as of the last historical calendar year of experience, a 40-year projection of life years on a calendar year basis is performed for each policy by multiplying the prior calendar year life years for in-force business within that cell by the “expected life year persistency factor” for the current calendar projection year (see a above).
- c) Total projected life years for each future calendar year for a policy form are then determined by adding the life years by calendar year from each policy.

The projection system performs all calculations on a seriatim basis. The factors displayed in Exhibits IV and V are derived from the already-projected values and are displayed for illustrative purposes only. These factors do not influence the projection results, but can be used to reproduce them.

The before-increase projected values for earned premium, incurred claims, and life years can be reproduced using the factors that were displayed for illustrative purposes. The formulas are provided below.

- $(\text{Earned Premium})_t = (\text{Earned Premium})_{t-1} \times (\text{Premium Persistency})_t \times (\text{Premium Rate Increase Factor})_t$
- $(\text{Incurred Claims})_t = (\text{Incurred Claims})_{t-1} \times (\text{Claim Factor})_t \times (\text{Policy Persistency})_t \times [(\text{Adverse Selection})_t / (\text{Adverse Selection})_{t-1}]$
- $(\text{Life Years})_t = (\text{Life Years})_{t-1} \times (\text{Policy Persistency})_t$
- $t = \text{any calendar year in the projection period (2017+)}$

Exhibit VIII
Brighthouse Life Insurance Company
Nationwide Experience Projections with 38.3% Increase
LTC4 Tax-Qualified Comprehensive Policy Form

	Loss Ratio Demonstration								Interest Rate Factors	
	Calendar Year	Without Interest			Life Years	With Interest			Calendar Year Effective Int Rate	Mid-Year Disc / Accum Factor
		Earned Premium	Incurred Claims	Loss Ratio		Earned Premium	Incurred Claims	Loss Ratio		
Historical Experience	1997	2,400	0	0.0%	15	5,609	0	0.0%	4.4%	2.3367
	1998	7,766,744	236,888	3.1%	10,311	17,366,986	529,698	3.1%	4.4%	2.2361
	1999	30,922,705	960,912	3.1%	23,193	66,167,794	2,056,142	3.1%	4.4%	2.1398
	2000	54,191,520	4,388,599	8.1%	33,816	110,964,541	8,986,257	8.1%	4.4%	2.0476
	2001	63,119,458	5,745,622	9.1%	33,187	123,680,109	11,258,321	9.1%	4.4%	1.9595
	2002	61,581,029	9,881,027	16.0%	32,244	115,469,491	18,527,738	16.0%	4.4%	1.8751
	2003	60,214,072	11,606,743	19.3%	31,479	108,044,339	20,826,409	19.3%	4.4%	1.7943
	2004	59,052,695	13,120,930	22.2%	30,648	101,397,548	22,529,542	22.2%	4.4%	1.7171
	2005	62,074,042	19,631,625	31.6%	29,739	101,995,607	32,257,275	31.6%	4.4%	1.6431
	2006	64,235,651	20,523,064	31.9%	29,077	101,002,303	32,269,880	31.9%	4.4%	1.5724
	2007	63,290,749	31,413,626	49.6%	28,492	95,231,163	47,266,879	49.6%	4.4%	1.5047
	2008	62,498,270	31,722,049	50.8%	27,894	89,989,236	45,675,552	50.8%	4.4%	1.4399
	2009	61,489,728	41,648,502	67.7%	27,192	84,724,468	57,385,961	67.7%	4.4%	1.3779
	2010	60,166,209	48,766,034	81.1%	26,507	79,330,946	64,299,474	81.1%	4.3%	1.3185
	2011	63,069,976	60,066,504	95.2%	25,671	79,578,612	75,788,978	95.2%	4.3%	1.2618
	2012	64,966,299	62,464,763	96.1%	24,917	78,441,435	75,421,037	96.1%	4.3%	1.2074
	2013	63,125,361	61,108,316	96.8%	24,149	72,936,512	70,605,972	96.8%	4.2%	1.1554
2014	61,193,592	76,006,427	124.2%	23,280	67,659,809	84,037,890	124.2%	4.1%	1.1057	
2015	64,537,017	82,605,321	128.0%	22,275	68,447,706	87,610,878	128.0%	4.0%	1.0606	
2016	69,488,386	84,886,518	122.2%	21,461	70,864,528	86,567,602	122.2%	4.0%	1.0198	
Projected Future Experience	2017	72,512,865	95,162,518	131.2%	20,402	71,104,714	93,314,526	131.2%	4.0%	0.9806
	2018	84,880,828	99,936,937	117.7%	19,109	80,031,250	94,227,144	117.7%	4.0%	0.9429
	2019	90,463,623	103,040,012	113.9%	17,991	82,014,497	93,416,277	113.9%	4.0%	0.9066
	2020	83,797,992	106,536,966	127.1%	16,854	73,049,445	92,871,752	127.1%	4.0%	0.8717
	2021	77,190,822	108,930,983	141.1%	15,709	64,701,692	91,306,437	141.1%	4.0%	0.8382
	2022	70,711,546	110,477,045	156.2%	14,566	56,991,090	89,040,724	156.2%	4.0%	0.8060
	2023	64,427,991	111,123,676	172.5%	13,437	49,929,577	86,117,199	172.5%	4.0%	0.7750
	2024	58,401,946	110,869,954	189.8%	12,335	43,518,836	82,615,935	189.8%	4.0%	0.7452
	2025	52,680,644	109,662,736	208.2%	11,268	37,745,718	78,573,427	208.2%	4.0%	0.7165
	2026	47,292,199	107,834,370	228.0%	10,243	32,581,628	74,291,732	228.0%	4.0%	0.6889
	2027	42,249,114	105,987,713	250.9%	9,263	27,987,721	70,211,048	250.9%	4.0%	0.6624
	2028	37,555,764	104,175,570	277.4%	8,333	23,921,764	66,356,349	277.4%	4.0%	0.6370
	2029	33,212,569	101,913,654	306.9%	7,455	20,341,629	62,418,831	306.9%	4.0%	0.6125
	2030	29,216,440	98,802,788	338.2%	6,632	17,205,893	58,186,083	338.2%	4.0%	0.5889
	2031	25,561,181	94,930,164	371.4%	5,866	14,474,298	53,755,241	371.4%	4.0%	0.5663
	2032	22,237,712	90,358,131	406.3%	5,157	12,108,026	49,198,343	406.3%	4.0%	0.5445
	2033	19,234,537	85,215,565	443.0%	4,506	10,070,050	44,613,760	443.0%	4.0%	0.5235
	2034	16,538,095	79,667,065	481.7%	3,912	8,325,341	40,104,710	481.7%	4.0%	0.5034
	2035	14,133,002	73,854,627	522.6%	3,375	6,840,969	35,748,756	522.6%	4.0%	0.4840
	2036	12,002,437	67,980,196	566.4%	2,893	5,586,237	31,639,696	566.4%	4.0%	0.4654
	2037	10,128,376	62,117,788	613.3%	2,463	4,532,694	27,799,215	613.3%	4.0%	0.4475
	2038	8,491,899	56,305,666	663.1%	2,083	3,654,164	24,228,989	663.1%	4.0%	0.4303
	2039	7,073,457	50,477,626	713.6%	1,750	2,926,723	20,885,688	713.6%	4.0%	0.4138
	2040	5,853,319	44,651,396	762.8%	1,461	2,328,728	17,764,442	762.8%	4.0%	0.3978
	2041	4,811,819	39,014,396	810.8%	1,211	1,840,740	14,924,785	810.8%	4.0%	0.3825
	2042	3,929,666	33,704,104	857.7%	997	1,445,458	12,397,458	857.7%	4.0%	0.3678
	2043	3,188,264	28,803,573	903.4%	816	1,127,641	10,187,389	903.4%	4.0%	0.3537
	2044	2,569,955	24,324,246	946.5%	664	873,994	8,272,229	946.5%	4.0%	0.3401
	2045	2,058,245	20,312,503	986.9%	536	673,049	6,642,220	986.9%	4.0%	0.3270
	2046	1,637,931	16,771,412	1023.9%	431	515,006	5,273,344	1023.9%	4.0%	0.3144
2047	1,295,191	13,698,813	1057.7%	344	391,577	4,141,580	1057.7%	4.0%	0.3023	
2048	1,017,708	11,067,296	1087.5%	273	295,851	3,217,298	1087.5%	4.0%	0.2907	
2049	794,646	8,855,220	1114.4%	215	222,121	2,475,232	1114.4%	4.0%	0.2795	
2050	616,586	7,015,643	1137.8%	169	165,721	1,885,604	1137.8%	4.0%	0.2688	
2051	475,431	5,512,533	1159.5%	131	122,867	1,424,626	1159.5%	4.0%	0.2584	
2052	364,302	4,293,865	1178.7%	102	90,527	1,067,001	1178.7%	4.0%	0.2485	
2053	277,415	3,315,323	1195.1%	78	66,285	792,153	1195.1%	4.0%	0.2389	
2054	209,953	2,533,348	1206.6%	60	48,236	582,029	1206.6%	4.0%	0.2297	
2055	157,937	1,920,459	1216.0%	46	34,890	424,250	1216.0%	4.0%	0.2209	
2056	118,105	1,442,138	1221.1%	35	25,087	306,330	1221.1%	4.0%	0.2124	
Past		1,096,985,904	666,783,471	60.8%	505,547	1,633,298,742	843,901,484	51.7%		
Future		1,009,371,512	2,402,598,019	238.0%	223,168	759,911,735	1,552,699,832	204.3%		
Lifetime		2,106,357,416	3,069,381,491	145.7%	728,715	2,393,210,477	2,396,601,316	100.1%		