Experience Studies PRO

SOA Research INSTITUTE + LIMRA Navigate With Confidence

2009-2024 Post-Level Term Lapse and Mortality Experience Study Data Request

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CONTENTS

2009-2024 Post-Level Term Lapse and Mortality Study

Section 1   Request for Data Contributions

The Society of Actuaries Research Institute's (SOA's) Individual Life Experience Committee (ILEC) and LIMRA are soliciting mortality and lapse experience for level term products for calendar years 2009 through 2024.

Section 2   Purpose and Scope of the Study

The SOA Research Institute and LIMRA are partnering together to complete industry experience studies. Under this partnership, the SOA Research Institute's ILEC and LIMRA plan to provide an update to the Post-Level term mortality and lapse study last published in May 2021 covering the 2000 – 2017 experience period.

The goals of this study include:

- Analyze the shock lapse at the end of the level term and the lapse and mortality experience in the post-level period,
- Analyze experience on longer level term products where data are more credible than in prior studies,
- Consider the impact that various product and policyowner experience variables have on results,
- Analyze the impact of the COVID pandemic on experience during and after the shock event

Coverages to be included in the study are all base level term policies covering a single life, issued or in-force between January 1, 2009, and December 31, 2024. This also includes policies which may have been issued and lapsed before they could be reported to NAIC. Experience will be analyzed by various segments of the data, including but not limited to level term period, PLT premium structure, policy year, study year, sex, and age. The study will include sufficient detail for companies to be able to understand how their experience compares to the industry. This experience may augment each company's experience analysis, improve communication of results to senior management, and improve internal assumption development.

Please exclude riders, joint-life term policies, policies issued by conversion, and term policies with guaranteed re-entry riders.

Section 3   Study Process

This Study will be designed, overseen, and peer reviewed by the SOA Research Institute's volunteer project oversight group (POG). Studies like this one rely on volunteer efforts from industry experts like those on the POG. The SOA Research Institute and LIMRA, under the Experience Studies Pro partnership to complete experience studies, will handle all data steps, including study construction and data privacy. Study Participants will receive significant benefits as described in the *Benefits to Study Participants* section below. A short public report with limited Study highlights will be available for free to the public.

More information on the SOA Research Institute and LIMRA experience study partnership can be found at A Powerful Partnership | SOA.

Section 4   Form of Data Contributions

The SOA Research Institute and LIMRA expect participating companies to provide the following:

- 2009-2024 experience data in the format requested for this study
  - The basis for data submission is the VM-51 format for Appendix A
  - Additional supplemental data for each policy as described in Appendix B
- Responses to a company practices survey related to post-level term premium structures and communication practices. This survey will assist us in validating your company's data, along with providing additional insights on shock lapse behavior driven by company practices. The PDF of the survey is attached to the data request email. Please fill the survey out online using the following link: https://surveys.limra.com/jfe/form/SV_5drjmQQt5dHhLqS

Section 5   Important Dates

We request your intent to participate and provide data for the study. Please provide your response to StudyPro@soa.org by July 30, 2025.

Your timely data submission is a valuable contribution to this Study. If you have indicated that you intend to participate in the study by submitting data, we request your data, as described in the following section, no later than September 30, 2025. If you would like to contribute, but find that this timing is challenging, please contact StudyPro@soa.org to discuss options.

Once your company's intent to participate has been received, we will send you a confidential company ID code.

Section 6   Data Transmission Instructions

The SOA Research Institute and LIMRA have partnered to validate, compile, and aggregate the data for this effort. When you are ready to submit your data, please send an email to SOADataTransmissions@limra.com and LIMRA will send you a secure link to facilitate the data transmission.

Section 7   Study Outputs

A report with high level summary results of the study will be made publicly available.

In an effort to ensure these important industry studies can be funded on a sustainable basis, the SOA Research Institute and LIMRA are offering the detailed outputs of this work as part of a paid subscription to Experience Studies Pro.

The following may be included in the outputs made available for subscribers:

- detailed experience study report with analysis and commentary;
- a set of data visualization dashboards with the ability to filter on and drill down into the detail of the results of the study;
- dataset(s) containing the aggregated experience collected for the purpose of this study. The datasets may be made available in excel files, text files or downloads from the data visualization tool;
- models or other tools developed to support the analyses completed in the study; and

- other outputs as determined by the SOA Research Institute and LIMRA.

Any output of the study, whether publicly available or available through an Experience Studies Pro subscription, will not contain any private information or any confidential contributor level information.

Section 8   Benefits to Data Contributors

Data contributors will be acknowledged in the study output. Their experience data will be part of a broad industry study that will benefit the industry. The experience data for this study may be compared against current industry standard valuation assumptions and significant variance from the current standard may trigger the development of new standards. In such a situation, the data from this study may be used as the basis to develop new valuation standards. Data contributors will benefit from having their company's data included in the comparison to standard valuation assumptions and from being included in the basis for any new valuation standards.

Data contributors whose data is retained for inclusion in the study and who subscribe to Experience Studies Pro will also receive the following benefits:

- the ability to see their own experience results compared to the industry results in any non-public, data visualization dashboards or excel pivot tables;
- the option to choose a group of no less than 5 peer companies from the companies who provided data to the study and receive a comparison of the aggregated results of these peer companies to their own company results;
    - o If your company is chosen to be in another company's peer group, your company's confidentiality will be protected in any peer group analysis in the following ways:
        - A peer group must contain at least five (5) companies.
        - If needed, any company with data that dominates the rest of the group (i.e., represents more than 25% of the exposure for the group) will be scaled back to 25%.
    - o If you submit data for more than one company, please contact StudyPro@soa.org if you prefer the data for all the companies to be combined as one 'company group' or kept as separate individual companies in your peer group analysis.
    - o By being a data contributor, you acknowledge and agree that your company's data may be part of another company's peer group analysis. If you want to exclude your company's data from another company's peer group analysis, please notify StudyPro@soa.org. In this case, your company will not have the option to receive a peer group analysis.
- the opportunity to have a meeting with the SOA Research Institute and LIMRA researcher(s) who performed the analyses for the study. At this meeting, the contributor will be able to quickly gain deeper insights into the results and questions in specific areas of interest.

Section 9   Data Access, Ownership and Retention

The SOA Research Institute and LIMRA have partnered together to collect and process experience data for this effort. The data collected under this partnership will be processed and housed within LIMRA's existing study data infrastructure. The agreement between the SOA Research Institute and LIMRA includes provisions to ensure the data is kept secure and confidential. Only SOA Research Institute and LIMRA staff directly involved with the project will have access to the original data. SOA Research Institute volunteers working on the experience analysis and table development will not have access to original data. For more information on LIMRA's information security program, please see the LLG (LIMRA) Governing Information Security Policy in the Appendix C.

The SOA Research Institute and LIMRA will create aggregated datasets from the original data contributions for the purpose of completing this effort. These aggregated datasets will not contain any personally identifiable information (PII). All aggregated datasets compiled by the SOA Research Institute and LIMRA from the original data contributions will be the property of the SOA Research Institute and LIMRA. Only SOA Research Institute staff, LIMRA staff, or contracted independent consultants will have access to contributor-level data. The aggregated datasets may be used for future efforts, as deemed appropriate by the SOA Research Institute or LIMRA.

Section 10 Appendix A – Policy Level File #1 – VM51 Data

Please provide the VM51 data elements for calendar years 2009-2024 for base segment level term policies. **Please exclude riders, joint-life term policies, policies issued by conversion, and term policies with guaranteed re-entry riders.** If it is easier to supply the full VM51 submission, please do so, and we will exclude data which is not within scope.

If the Form for Additional Plans was submitted to the NAIC, please also submit this with your submission.

Valuation Manual (VM51) Appendix 4: Mortality Data Elements and Format

ITEM	LENGTH	DATA ELEMENT	DESCRIPTION
1	9	Submitting Company ID	ID number representing the company submitting this file. If the company has an NAIC Company Code, then that code must be used. If the company does not have an NAIC Company Code, the company's Federal Employer Identification Number (FEIN) must be used. If the direct writer is the company submitting the data, items 1 and 2 must contain the same value.
2	5	NAIC Company Code of the Direct Writer of Business	The NAIC Company Code of the company that wrote the business being reported. In the case of assumption reinsurance where the assuming company is legally responsible for all benefits and claims paid, the assuming company is considered to be the direct writer. If the direct writer is the company submitting the data file, items 1 and 2 must contain the same value.
3	4	Observation Year	Enter Calendar Year of Observation
4	20	Policy Number	Enter Policy Number. For Policy Numbers with length less than 20, left justify the number, and blank fill the empty columns. Any other unique identifying number can be used instead of a Policy Number for privacy reasons.
5	3	Segment Number	If only one policy segment exists, enter segment number '1.' For a single life policy, the base policy is to be put in the record with segment number '1.' Subsequent policy segments are in separate records with information about that coverage and differing segment numbers. For joint life policies, the base policy of the first life is to be put in a record with segment number '1,' and the base policy of the second life is to be put in a separate record with segment number '2.' Joint life policies with more than two lives are not to be submitted. Subsequent policy segments are in separate records with information about that coverage and differing segment numbers.

ITEM	LENGTH	DATA ELEMENT	DESCRIPTION
			Policy segments with the same policy number are to be submitted for: a) Single life policies; b) Joint life policies; c) Term/paid up riders; or d) Additional amounts of insurance including purchase through dividend options.
6	2	State of Issue	Use standard, two-letter state abbreviation codes (e.g., NY for New York)
7	1	Gender	0 = Unknown or unable to subdivide 1 = Male 2 = Female 3 = Unisex – Unknown or unable to identify 4 = Unisex – Male 5 = Unisex – Female
8	8	Date of Birth	Enter the numeric date of birth in YYYYMMDD format
9	1	Age Basis	0 = Age Nearest Birthday 1 = Age Last Birthday 2 = Age Next birthday **Drafting Note:** Professional actuarial organization will need to develop either age next birthday mortality tables or procedure to adapt existing mortality tables to age next birthday basis.
10	3	Issue Age	Enter the insurance Issue Age
11	8	Issue Date	Enter the numeric calendar year in YYYYMMDD format.
12	1	Smoker Status	Smoker status should be submitted where reliable. 0 = Unknown 1 = No tobacco usage 2 = Nonsmoker 3 = Cigarette smoker 4 = Tobacco user
13	1	Preferred Class Structure Indicator	0 = If no reliable information on multiple preferred and standard classes is available or if the policy segment was issued substandard or if there were no multiple preferred and standard classes available for this policy segment or if preferred information is unknown. 1 = If this policy was issued in one of the available multiple preferred and standard classes for this policy segment. Note: If Preferred Class Structure Indicator is 0, or if preferred information is unknown, leave next four items blank.

ITEM	LENGTH	DATA ELEMENT	DESCRIPTION
14	1	Number of Classes in Nonsmoker Preferred Class Structure	If Preferred Class Structure Indicator is 0 or if Smoker Status is 0, 3 or 4, or if preferred information is unknown, leave blank. For nonsmoker or no tobacco usage policies that could have been issued as one of multiple preferred and standard classes, enter the number of nonsmoker preferred and standard classes available at time of issue.
15	1	Nonsmoker Preferred Class	If Preferred Class Structure Indicator is 0 or if Smoker Status is 0, 3 or 4, or if preferred information is unknown, leave blank. For nonsmoker policy segments that could have been issued as one of multiple preferred and standard classes: 1 = Best preferred class 2 = Next Best preferred class after 1 3 = Next Best preferred class after 2 4 = Next Best preferred class after 3 5 = Next Best preferred class after 4 6 = Next Best preferred class after 5 7 = Next Best preferred class after 6 8 = Next Best preferred class after 7 9 = Next Best preferred class after 8 Note: The policy segment with the highest nonsmoker Preferred Class number should have that number equal to the Number of Classes in Nonsmoker Preferred Class Structure.
16	1	Number of Classes in Smoker Preferred Class Structure	If Preferred Class Structure Indicator is 0 or if Smoker Status is 0, 1 or 2, or if preferred information is unknown, leave blank. For smoker or tobacco user policies that could have been issued as one of multiple preferred and standard classes, enter the number of smoker preferred and standard classes available at time of issue.

ITEM	LENGTH	DATA ELEMENT	DESCRIPTION
17	1	Smoker Preferred Class	If Preferred Class Structure Indicator is 0 or if Smoker Status is 0, 1 or 2, or if preferred information is unknown, leave blank. For smoker policy segments that could have been issued as one of multiple preferred and standard classes: 1 = Best preferred class 2 = Next Best preferred class after 1 3 = Next Best preferred class after 2 4 = Next Best preferred class after 3 5 = Next Best preferred class after 4 6 = Next Best preferred class after 5 7 = Next Best preferred class after 6 8 = Next Best preferred class after 7 9 = Next Best preferred class after 8 Note: The policy segment with the highest Smoker Preferred Class number should have that number equal to the Number of Classes in Smoker Preferred Class Structure.
18	2	Type of Underwriting Requirements	If underwriting requirement of ordinary business is reliably known, use code other than "99." Ordinary business does not include separate lines of business, such as simplified issue/guaranteed issue, worksite, individually solicited group life, direct response, final expense, preneed, home service and COLI/BOLI/CHOLI. 01 = Underwritten, but unknown whether fluid was collected 02 = Underwritten with no fluid collection 03 = Underwritten with fluid collected 06 = Term Conversion 07 = Group Conversion 09 = Not Underwritten 99 = For issues where underwriting requirement unknown or unable to subdivide
19	1	Substandard Indicator	0 = Policy segment is not substandard 1 = Policy segment is substandard 2 = Policy segment is uninsurable Notes: a. All policy segments that are substandard need to be identified as substandard or uninsurable. b. Submission of substandard policies is optional. c. If feasible, identify substandard policy segments where temporary flat extra has ceased as substandard.

ITEM	LENGTH	DATA ELEMENT	DESCRIPTION
20	3	Plan	Exclude from contribution: spouse and children under family policies or riders. If Form for Additional Plan Codes was submitted for this policy, enter unique three-digit plan number(s) that differ from the plan numbers below:
			000 = If unable to distinguish among plan types listed below
			100 = Joint life plan unable to distinguish among joint life plan types listed below
			Permanent Plans:
			010 = Traditional fixed premium fixed benefit permanent plan
			011 = Permanent life (traditional) with term
			012 = Single premium whole life
			013 = Econolife (permanent life with lower premiums in the early durations)
			014 = Excess interest whole life
			015 = First to die whole life plan (submit separate records for each life)
			016 = Second to die whole life plan (submit separate records for each life)
			017 = Joint whole life plan – unknown whether 015 or 016 (submit separate records for each life)
			018 = Permanent products with non-level death benefits
			019 = Permanent plans 010, 011, 012, 013, 014, 015, 016, 017, 018 combined (i.e. unable to separate)
			Term Insurance Plans:
			020 = Term (traditional level benefit and attained age premium)
			021 = Term (level death benefit with guaranteed level premium for five years and anticipated level term period for five years)
			211 = Term (level death benefit with guaranteed level premium for five years and anticipated level term period for 10 years)
			212 = Term (level death benefit with guaranteed level premium for five years and anticipated level term period for 15 years)
			213 = Term (level death benefit with guaranteed level premium for five years and anticipated level term period for 20 years)
			214 = Term (level death benefit with guaranteed level premium for five years and anticipated level term period for 25 years)
			215 = Term (level death benefit with guaranteed level premium for five years and anticipated level term period for 30 years)

ITEM	LENGTH	DATA ELEMENT	DESCRIPTION
			022 = Term (level death benefit with guaranteed level premium for 10 years and anticipated level term period for 10 years)
			221 = Term (level death benefit with guaranteed level premium for 10 years and anticipated level term period for 15 years)
			222 = Term (level death benefit with guaranteed level premium for 10 years and anticipated level term period for 20 years)
			223 = Term (level death benefit with guaranteed level premium for 10 years and anticipated level term period for 25 years)
			224 = Term (level death benefit with guaranteed level premium for 10 years and anticipated level term period for 30 years)
			023 = Term (level death benefit with guaranteed level premium for 15 years and anticipated level term period for 15 years)
			231 = Term (level death benefit with guaranteed level premium for 15 years and anticipated level term period for 20 years)
			232 = Term (level death benefit with guaranteed level premium for 15 years and anticipated level term period for 25 years)
			233 = Term (level death benefit with guaranteed level premium for 15 years and anticipated level term period for 30 years)
			024 = Term (level death benefit with guaranteed level premium for 20 years and anticipated level term period for 20 years)
			241 = Term (level death benefit with guaranteed level premium for 20 years and anticipated level term period for 25 years)
			242 = Term (level death benefit with guaranteed level premium for 20 years and anticipated level term period for 30 year)
			025 = Term (level death benefit with guaranteed level premium for 25 years and anticipated level term period for 25 years)
			251 = Term (level death benefit with guaranteed level premium for 25 years and anticipated level term period for 30 year)
			026 = Term (level death benefit with guaranteed level premium for 30 years and anticipated level term period for 30 years)
			027 = Term (level death benefit with guaranteed level premium period equal to anticipated level term period where the period is other than five, 10, 15, 20, 25 or 30 years)
			271 = Term (level death benefit with guaranteed level premium period not equal to anticipated level term

ITEM	LENGTH	DATA ELEMENT	DESCRIPTION
			period, where the periods are other than five, 10, 15, 20, 25 or 30 years)
			028 = Term (decreasing benefit)
			040 = Select ultimate term (premium depends on issue age and duration)
			041 = Return of Premium Term (level death benefit with guaranteed level premium for 15 years)
			042 = Return of Premium Term (level death benefit with guaranteed level premium for 20 years)
			043 = Return of Premium Term (level death benefit with guaranteed level premium for 25 years)
			044 = Return of Premium Term (level death benefit with guaranteed level premium for 30 years)
			045 = Return of Premium Term (level death benefit with guaranteed level premium for period other than 15, 20, 25 or 30 years)
			046 = Economatic term
			059 = Term plan, unable to classify
			101 = First to die term plan (submit separate records for each life)
			102 = Second to die term plan (submit separate records for each life)
			103 = Joint term plan – unknown whether 101 or 102 (submit separate records for each life)
			Universal Life Plans (Other than Variable), issued without a Secondary Guarantee:
			061 = Single premium universal life
			062 = Universal life (decreasing risk amount)
			063 = Universal life (level risk amount)
			064 = Universal life – unknown whether code 062 or 063
			065 = First to die universal life plan (submit separate records for each life)
			066 = Second to die universal life plan (submit separate records for each life)
			067 = Joint life universal life plan – unknown whether code 065 or 066 (submit separate records for each life)
			068 = Indexed universal life
			Universal Life Plans (Other than Variable) with Secondary Guarantees:
			071 = Single premium universal life with secondary guarantees
			072 = Universal life with secondary guarantees (decreasing risk amount)
			073 = Universal life with secondary guarantees (level risk amount)
			074 = Universal life with secondary guarantees –unknown whether code 072 or 073
			075 = First to die universal life plan with secondary guarantees (submit separate records for each life)

ITEM	LENGTH	DATA ELEMENT	DESCRIPTION
			076 = Second to die universal life plan with secondary guarantees (submit separate records for each life)
			077 = Joint life universal life plan with secondary guarantees unknown whether code 075 or 076 (submit separate records for each life)
			078 = Indexed universal life with secondary guarantees
			Variable Life Plans issued without a Secondary Guarantee:
			080 = Variable life
			081 = Variable universal life (decreasing risk amount)
			082 = Variable universal life (level risk amount)
			083 = Variable universal life – unknown whether code 081 or 082
			084 = First to die variable universal life plan (submit separate records for each life)
			085 = Second to die variable universal life plan (submit separate records for each life)
			086 = Joint life variable universal life plan – unknown whether 084 or 085 (submit separate records for each life)
			Variable Life Plans with Secondary Guarantees:
			090 = Variable life with secondary guarantees
			091 = Variable universal life with secondary guarantees (decreasing risk amount)
			092 = Variable universal life with secondary guarantees (level risk amount)
			093 = Variable universal life with secondary guarantees – unknown whether code 091 or 092
			094 = First to die variable universal life plan with secondary guarantees (submit separate records for each life)
			095 = Second to die variable universal life plan with secondary guarantees (submit separate records for each life)
			096 = Joint life variable universal life plan with secondary guarantees – unknown whether code 094 or 095 (submit separate records for each life)
			Coverage purchased with dividends:
			196 = Paid Up Additions
			197 = One-Year Term
			Nonforfeiture:
			098 = Extended term
			099 = Reduced paid-up
			198 = Extended term for joint life (submit separate records for each life)
			199 = Reduced paid-up for joint life (submit separate records for each life)

ITEM	LENGTH	DATA ELEMENT	DESCRIPTION
21	1	In-force Indicator	0 = If the policy segment was not in force at the end of the calendar year of observation 1 = If the policy segment was in force at the end of the calendar year of observation
22	12	Face Amount of Insurance at Issue	Face amount of the policy segment at its issue date rounded to nearest dollar. If policy provides payment of cash value in addition to face amount, include face amount and do not include cash value. If the policy was issued during the observation year, the Face Amount of Insurance at the Beginning of the Observation Year should be blank.
23	12	Face Amount of Insurance at the Beginning of the Observation Year	Face amount of the policy segment at the beginning of the calendar year of observation rounded to nearest dollar. If policy provides payment of cash value in addition to face amount, include face amount and do not include cash value. Exclude extra amounts attributable to 7702 corridors. If the policy was issued during the observation year, the Face Amount at the Beginning of the Observation Year should be blank.
24	12	Face Amount of Insurance at the End of the Observation Year	Face amount of the policy segment at the end of the calendar year of observation rounded to nearest dollar. If policy provides payment of cash value in addition to face amount, include face amount, and do not include cash value. Exclude extra amounts attributable to 7702 corridors. If In-force Indicator is 0, enter face amount of the policy segment at the time of termination, if available; otherwise, leave blank.
25	12	Death Claim Amount	If In-force Indicator is 1, leave blank. Death claim amount rounded to the nearest dollar. If In-force Indicator is 0 and Cause of Termination is 04, then enter the face amount. If In-force Indicator is 0 and Cause of Termination is not 04, then leave blank. If the policy provides payment of cash value in addition to face amount, report face amount, and do not include cash value.
26	8	Termination Reported Date	If In-force Indicator is 1, leave blank. Enter in the format YYYYMMDD the eight-digit calendar date that the termination was reported.
27	8	Actual Termination Date	If In-force Indicator is 1, leave blank. Enter in the format YYYYMMDD the eight-digit calendar date when the termination occurred.

ITEM	LENGTH	DATA ELEMENT	DESCRIPTION
			If termination is due to death (Cause of Termination is 04), enter actual date of death. If termination is lapse due to non-payment of premium (Cause of Termination is 01 or 02 or 14), enter the last day the premium was paid to.
28	2	Cause of Termination	If Inforce Indicator is 1, leave blank. 00 = Termination type unknown or unable to subdivide 01 = Reduced paid-up 02 = Extended term 03 = Voluntary; unable to subdivide among 01, 02, 07, 09, 10, 11 or 13 04 = Death 07 = 1035 exchange 09 = Term conversion – unknown whether attained age or original age 10 = Attained age term conversion 11 = Original age term conversion 12 = Coverage expired or contract reached end of the mortality table 13 = Surrendered for full cash value 14 = Lapse (other than to Reduced Paid Up or Extended Term) 15 = Termination via payment of a discounted face amount while still alive, pursuant to an accelerated death benefit provision
29	10	Annualized Premium at Issue	For level term segments with plan codes 021 through 027, 041 through 045 or 211 through 271 of Item 20, Plan, enter the annualized premium set at issue. Except for level term segments specified above, leave blank for non-base segments. For the base segments for ULSG, and Variable Life with Secondary Guarantees (VLSG) with plan codes 071 through 078 or 090 through 096 of Item 20, Plan, enter the annualized billed premium set at issue.
30	10	Annualized Premium at the Beginning of Observation Year	For level term segments with plan codes 021 through 027, 041 through 045 or 211 through 271 of Item 20, Plan, enter the annualized premium for the policy year that includes the beginning of the observation year. Except for level term segments specified above, leave blank for non-base segments. For the base segments for ULSG and VLSG with plan codes 071 through 078 or 090 through 096 of Item 20, Plan, enter the annualized billed premium for the policy year that includes the beginning of the observation year.

ITEM	LENGTH	DATA ELEMENT	DESCRIPTION
			For policies issued in the observation year, leave blank. If unknown, leave blank.
31	10	Annualized Premium at the End of Observation Year, if available. Otherwise Annualized Premium as of Year/Actual Termination Date	For level term segments with plan codes 021 through 027, 041 through 045 or 211 through 271 of Item 20, Plan, for each segment that has Item 20, with the In-force Indicator = 1, enter the annualized premium for the policy year that includes the end of the observation year. Otherwise, enter the annualized premium that would have been paid at the end of the observation year. If end of year premium is not available, enter the annualized premium as of the Actual Termination Date (Item 27). Except for level term segments specified above, leave blank for non-base segments. For the base segments for ULSG and VLSG with plan codes 071 through 078 or 090 through 096 of Item 20, Plan, use the annualized billed premium. For base segments that have Item 20, with the Inforce Indicator =1, enter the annualized billed premium for the policy year that includes the end of the observation year. Otherwise, enter the annualized billed premium that would have been paid at the end of the observation year. If end of year premium is not available, enter the annualized premium as of the Actual Termination Date (Item 27). Round to the nearest dollar. If unknown, leave blank.
32	2	Premium Mode	01 = Annual 02 = Semiannual 03 = Quarterly 04 = Monthly Bill Sent 05 = Monthly Automatic Payment 06 = Semimonthly 07 = Biweekly 08 = Weekly 09 = Single Premium 10 = Other / Unknown
33	10	Cumulative Premium Collected as of the Beginning of Observation Year	If not ULSG or VLSG, leave blank. For ULSG, and VLSG policies with plan codes 071 through 078 or 090 through 096 of Item 20, Plan: 1) For non-base segments, leave blank. 2) For base segments, enter the cumulative premium collected since issue, as of the beginning of the observation year. Round to the nearest dollar. For policies issued in the observation year, leave blank. If unknown, leave blank.
34	10	Cumulative Premium	If not ULSG or VLSG, leave blank.

ITEM	LENGTH	DATA ELEMENT	DESCRIPTION
		Collected as of the End of Observation Year if available. Otherwise Cumulative Premium Collected as of Actual Termination Date	For ULSG, and VLSG policies with plan codes 071 through 078 or 090 through 096 of Item 20, Plan: 1) For non-base segments, leave blank. 2) For base segments inforce at the end of the observation year, enter the cumulative premium collected as of the end of the observation year. 3) For base segments terminated during the observation year, enter the cumulative premium collected since issue, as of the Actual Termination Date (Item 27). Round to the nearest dollar. If unknown, leave blank.
35	2	ULSG/VLSG Premium Type	For non-base segments, leave blank. If not ULSG or VLSG, leave blank. For ULSG and VLSG policies with plan codes 071 through 078 or 090 through 096 of Item 20, Plan: 00 = Unknown 01 = Single premium 02 = ULSG/VLSG Whole life level premium 03 = Lower premium (term like) 04 = Other
36	2	Type of Secondary Guarantee	For non-base segments, leave blank. If not ULSG or VLSG, leave blank. For ULSG and VLSG policies with plan codes 071 through 078 or 090 through 096 of Item 20, Plan: 00 = Unknown 01 = Cumulative Premium without Interest (Single Tier) 02 = Cumulative Premium without Interest (Multiple Tier) 03 = Cumulative Premium without Interest (Other) 04 = Cumulative Premium with Interest (Single Tier) 05 = Cumulative Premium with Interest (Multiple Tier) 06 = Cumulative Premium with Interest (Other) 11 = Shadow Account (Single Tier) 12 = Shadow Account (Multiple Tier) 13 = Shadow Account (Other) 21 = Both Cumulative Premium without Interest and Shadow Account 22 = Both Cumulative Premium with Interest and Shadow Account 23 = Other, not involving either Cumulative Premium or Shadow Account
37	10	Cumulative Minimum Premium as of the	If not ULSG or VLSG, leave blank.

ITEM	LENGTH	DATA ELEMENT	DESCRIPTION
		Beginning of Observation Year	For ULSG and VLSG policies with plan codes 071 through 078 or 090 through 096 of Item 20, Plan:
			If Item 36 Type of Secondary Guarantee is blank, 00, 11, 12, 13 or 23, leave blank.
			If Item 36, Type of Secondary Guarantee is 01, 02, 03, 04, 05, 06, 21 or 22:
			1) Leave non-base segments, blank.
			2) For base segments: Enter the cumulative minimum premiums, including applicable interest, for all policy years up to the beginning of the observation year.
			Round to the nearest dollar.
			For policies issued in the observation year, leave blank.
			If unknown, leave blank.
38	10	Cumulative Minimum Premium as of the End of Observation Year/ Actual Termination Date	If not ULSG or VLSG, leave blank.
			For ULSG and VLSG policies with plan codes 071 through 078 and 090 through 096 of Item 20, Plan: If Item 36, Type of Secondary Guarantee is blank, 00, 11, 12, 13 or 23, leave blank. If Item 36, Type of Secondary Guarantee is 01, 02, 03, 04, 05, 06, 21 or 22:
			1) For non-base segments, leave blank.
			2) For base segments inforce at the end of the observation year, enter the cumulative minimum premiums, including applicable interest, up to the end of the observation year.
			3) For base segments terminated during the observation year, enter the cumulative minimum premiums, including applicable interest, up to the Actual Termination Date (Item 27)
			Round to the nearest dollar.
			If unknown, leave blank.
39	10	Shadow Account Amount at the Beginning of Observation Year	If not ULSG, or VLSG, leave blank.
			For ULSG and VLSG policies with plan codes 071 through 078 or 090 through 096 of Item 20, Plan: If Item 36, Type of Secondary Guarantee is blank, 00, 01, 02, 03, 04, 05, 06, or 23 leave blank.
			If Item 36, Type of Secondary Guarantee is 11, 12, 13, 21 or 22: 1) Leave non-base segments blank.

ITEM	LENGTH	DATA ELEMENT	DESCRIPTION
			2) For base segments: Enter total amount of the Shadow Account at the beginning of the observation year. The Shadow Account can be positive, zero or negative. Round to the nearest dollar. For policies issued in the observation year, leave blank. If unknown, leave blank.
40	10	Shadow Account Amount at the End of Observation Year/ Actual Termination Date	If not ULSG, or VLSG, leave blank. For ULSG and VLSG policies with plan codes 071 through 078 or 090 through 096 of Item 20, Plan: If Item 36, Type of Secondary Guarantee is blank, 00, 01, 02, 03, 04, 05, 06, or 23 leave blank. If Item 36, Type of Secondary Guarantee is 11, 12, 13, 21 or 22: 1) For non-base segments, leave blank. 2) For base segments inforce at the end of the observation year, enter the total amount of the Shadow Account at the end of the observation year. The Shadow Account can be positive, zero or negative. 3) For base segments terminated during the observation year, enter the total amount of the Shadow Account as of the Actual Termination Date (Item 27). The Shadow Account can be positive, zero or negative. Round to the nearest dollar. If unknown, leave blank.
41	10	Account Value at the Beginning of Observation Year	For non-base segments, leave blank. If not ULSG or VLSG, leave blank. For ULSG and VLSG policies with plan codes 071 through 078 or 090 through 096 of Item 20, Plan, the policy Account Value (gross of any loan) at the Beginning of the Observation Year. The policy Account Value can be positive, zero or negative. Round to the nearest dollar. For policies issued in the observation year, leave blank. If unknown, leave blank.

ITEM	LENGTH	DATA ELEMENT	DESCRIPTION
42	10	Account Value at the End of Observation Year/Actual Termination Date	For non-base segments, leave blank. If not ULSG or VLSG, leave blank. For ULSG and VLSG policies with plan codes 071 through 078 or 090 through 096 of Item 20, Plan: 1) If policy is in force at the end of observation year, enter the policy Account Value (gross of any loan) at the end of the Observation Year. The policy Account Value can be positive, zero or negative. 2) If policy terminated during the observation year, enter the policy Account Value (gross of any loan) as of the Actual Termination Date (Item 27). The policy Account Value can be positive, zero or negative. Round to the nearest dollar. If unknown, leave blank.
43	10	Amount of Surrender Charge at the Beginning of Observation Year	For non-base segments, leave blank. If not ULSG or VLSG, leave blank. For ULSG and VLSG policies with plan codes 071 through 078 and 090 through 096 of Item 20, Plan, enter the dollar Amount of the Surrender Charge as of the Beginning of the Observation Year. Round to the nearest dollar. For policies issued in the observation year, leave blank. If unknown, leave blank.
44	10	Amount of Surrender Charge at the End of Observation Year/Actual Termination Date	For non-base segments, leave blank. If not ULSG or VLSG, leave blank. For ULSG and VLSG policies with plan codes 071 through 078 or 090 through 096 of Item 20, Plan: 1) If policy is in force at the end of observation year, enter the dollar amount of the Surrender Charge at the end of the Observation Year. 2) If policy terminated during the observation year, enter the dollar amount of the Surrender Charge as of the Actual Termination Date (Item 27). Round to the nearest dollar. If unknown, leave blank.
45	2	Operative Secondary Guarantee at the Beginning of Observation Year	The company defines whether a secondary guarantee is in effect for a policy with a secondary guarantee at the beginning of the Observation Year.

ITEM	LENGTH	DATA ELEMENT	DESCRIPTION
			If Item 36, Type of Secondary Guarantee is blank, leave blank. If Item 36, Type of Secondary Guarantee is 00 through 23: 1) For non-base segments, leave blank. 2) For base segments: 00 = If unknown whether the secondary guarantee is in effect 01 = If secondary guarantee is not in effect 02 = If secondary guarantee is in effect 03 = If all secondary guarantees have expired
46	2	Operative Secondary Guarantee at the End of Observation Year/Actual Termination Date	The company defines whether a secondary guarantee is in effect for a policy with a secondary guarantee at the end of the Observation Year/Actual Termination Date. If Item 36, Type of Secondary Guarantee is blank, leave blank. If Item 36, Type of Secondary Guarantee is 00 through 23: 1) For non-base segments, leave blank. 2) For base segments in force at the end of observation year, enter the appropriate value below as of the end of observation year: 00 = If unknown whether the secondary guarantee is in effect 01 = If secondary guarantee is not in effect 02 = If secondary guarantee is in effect 03 = If all secondary guarantees have expired 3) For base segments terminated during the observation year, enter the appropriate value below as of the Actual Termination Date (Item 27): 00 = If unknown whether the secondary guarantee is in effect 01 = If secondary guarantee is not in effect 02 = If secondary guarantee is in effect 03 = If all secondary guarantees have expired
47	2	State of Domicile	Use standard, two-letter state abbreviations codes (e.g., FL for Florida) for the state of the policy owner's domicile. If unknown or outside of the U.S., leave blank.

Section 11   Appendix B – Policy Level File #2 – Supplemental Data

If any data item is not available, leave the field blank; do not code missing items as zero. For dollar amounts, do not include dollar signs, commas, decimal points, or cents – round to the nearest dollar.

Premiums and face amounts are requested for the level period and up to 16 durations in the post-level term period (Items 31+). For a given policy, premiums are required in policy years where the policy was in force <u>PLUS</u> one year past termination / end of study period. For example, if a policy reaches the last year of the level period in 2024 or terminates at some point during the study period in the last year of the level period, please provide the level period information plus one year in the PLT period to properly assess the upcoming change in premium and/or face amount. If a policy has not reached the last duration in the level term period by 2024, PLT information is not required but appreciated.

ITEM #	FIELD NAME	LENGTH	DESCRIPTION
1	**Company Code**	9	ID number representing the company submitting. Use the same Company Code provided on the first policy level data file (<u>Policy Level File #1</u>).
2	**Policy ID**	20	Enter a unique ID for the policy, matching the one used in the VM-51 data This ID must match the policy id used on the first policy level file submission (<u>Policy Level File #1</u> Item #4).
3	Distribution Channel	1	Indicate the distribution channel through which the policy was sold: 1 = Career or affiliated agent 2 = Independent agent 3 = Full-service broker-dealer 4 = Independent broker-dealer 5 = Banks/S&Ls 6 = Direct response 7 = RIA/advisor 9 = Unknown
4	Zip Code	10	The zip code for the coverage, if available.
5	Accelerated Underwriting	1	1 = Policy was a part of an accelerated underwriting program and was issued via the accelerated process. 2 = Policy was a part of an accelerated underwriting program but was not issued via the accelerated process. For example, the policy could have been accelerated, but it didn't meet the specific score criteria and was routed to full underwriting instead. 2 = Policy was not part of or eligible for an accelerated underwriting process. Examples: the product doesn't have an accelerated process, the product has an accelerated

ITEM #	FIELD NAME	LENGTH	DESCRIPTION
			process but the age and face amount were outside of the program limits.
			4 = Policy was not issued via an accelerated process, but unknown if it was eligible for or was routed out of the process.
			5 = Unknown if issued via accelerated or fully underwritten process
6	Multiplicative Table Rating	3	BLANK, if not substandard or multiplicative extra mortality not used. Otherwise: Three-digit percentage of total mortality (e.g. 150 for 150% mortality).
7	Multiplicative Table Rating Period	2	BLANK, if not substandard or if multiplicative extra mortality not used. 99 = Permanent rating, Otherwise, duration in years
8	Additive (Flat Extra) Rating	3	BLANK, if not substandard or if additive extra mortality not used. Otherwise, dollar amount per 1,000
9	Additive (Flat Extra) Rating Period	2	BLANK, if not substandard or if additive extra mortality not used. 99 = Permanent rating, Otherwise, duration in years
10	Substandard premium in PLT period	1	Does the substandard rating continue into the PLT period? BLANK, if not substandard, 0 = Extra mortality does not apply in PLT Period, 1 = Multiplicative Table Rating only still applies, 2 = Flat extra only still applies, 3 = Both still apply, 4 = Other adjustment still applies
11	Cause of Death Code	8	This holds the cause of death code and must be populated for all records in Policy Level File #1 where the termination code is due to death, as follows: For ICD 9 Codes, please format without decimals and with leading zeros. For ICD10, please format without decimals. Please include the detailed accident codes in lieu of the generic accident codes.

ITEM #	FIELD NAME	LENGTH	DESCRIPTION
			If you cannot provide an ICD code, please use your internal code. We will need a supplemental file from you with descriptions of the internal codes. For policies which did not terminate due to death, leave BLANK. Please see the section below on coding ICD codes for additional discussion.
12	Cause of Death Code Type	1	The type of coding used in the cause of death code (Item 11). 0 = ICD 9 1 = ICD 10 2 = Internal For policies which did not terminate due to death, leave blank.
13	Last premium paid through date	8	If a policy terminated for any reason, provide the last premium paid-to-date in YYYYMMDD format BLANK, if inforce at the end of study period.
14	PLT premium structure at issue	1	0 = **Jump to ART** where premium increases at end of term and follows an ART scale in PLT, 1 = **Graded** where premium increases at end of term grading annually from the level premium to reach an ART scale after a specified number of years, 2 = **Jump to New Level** where the premium increases at end of term and then remains level for a new level period or a series of level term periods 3 = **Decreasing Face Amount** where premium remains level in PLT but the face amount of the policy decreases annually based on an ART scale 4 = **Expiry** where the policy expires at the end of the level term, 5 = **Other**
15	Number of PLT premium changes	1	How many times were the Post Level Term premium rates changed on this policy after the issue date? 0 = No change 1 = 1 change 2 = 2 changes 3 = 3 changes etc.
16	First PLT premium change date	8	If no change, leave BLANK Date in YYYYMMDD

ITEM #	FIELD NAME	LENGTH	DESCRIPTION
17	PLT premium structure after first change	1	If the Post Level Term premiums were changed, specify the Post Level Term premium structure after the first change. BLANK, if PLT rates were not changed 0 = Jump to ART 1 = Graded 2 = Jump to New Level 3 = Decreasing Face Amount 4 = Expiry 5 = Other
18	Second PLT premium change date	8	If no change, leave BLANK Date in YYYYMMDD
19	PLT premium structure after second change	1	BLANK, if PLT rates were never changed or only changed once 0 = Jump to ART 1 = Graded 2 = Jump to New Level 3 = Decreasing Face Amount 4 = Expiry 5 = Other
20	PLT premium structure, current state if more than two changes	1	BLANK, if PLT rates were changed 2 or fewer times 0 = Jump to ART 1 = Graded 2 = Jump to New Level 3 = Decreasing Face Amount 4 = Expiry 5 = Other
21	Maximum Attained Age in PLT	3	Indicate the maximum attained age for which PLT rates are available. BLANK, if no maximum age applies. Otherwise, specify maximum age
22	Conversion Period Indicator	2	If the policy has a conversion option, report how the limit on exercising the option is defined. If the conversion period is a combination of multiple factors (like attained age and duration) please indicate the resultant factor BLANK if Unknown, 0 = No conversion option applies, 1 = Maximum duration when option is last available 2 = Date when option is last available

ITEM #	FIELD NAME	LENGTH	DESCRIPTION
			3 = Maximum attained age at which option is available 99 = available for the life of the policy
23	Conversion Maximum Duration/Date/Attained Age	8	If the policy has a conversion option, identify the maximum period when the policy can convert, based on the Conversion Period Indicator. If providing a date, use YYYYMMDD format BLANK if Unknown 0 = No conversion option applies, Otherwise duration/date/age as indicated in item 22 99 = available for the life of policy
24	Return of Premium feature	1	Indicate if the policy offers a return of premium (ROP) benefit and identify the benefit conditions 0 = No ROP 1 = Yes, policy will surrender when ROP benefit is elected 2 = Yes, policy will continue when ROP benefit is paid out 3 = Yes, Other
25	ROP available first duration	2	Specify the first policy year when a non-zero ROP benefit is payable First policy year is year 1
26	ROP available last duration	2	Specify the last policy year when ROP benefit is payable 99 = available to maturity (i.e. maximum attained age)
27	Mode of Premium Payment in Level Term period	1	Provide current premium mode if policy is still in the level period. If policy is in PLT period, please provide mode in the last policy year of the level period. 1 = Annual 2 = Semi-annual 3 = Quarterly 4 = Monthly 5 = Other / Unknown
28	Billing Type in Level Term	1	How are premiums paid by policyholder in Level Period? Provide current billing type if still in level period. If in PLT period, please provide billing type in the last policy year of the level period. 1 = Bill Sent 2 = Automatic Payment
29	Mode of Premium Payment in PLT	1	This is the premium mode at the start of Post Level Term period. This is sometimes changed systematically by a company at the start of the PLT period.

ITEM #	FIELD NAME	LENGTH	DESCRIPTION
			1 = Annual 2 = Semi-annual 3 = Quarterly 4 = Monthly 5 = Other / Unknown
30	Billing Type in PLT	1	How are premiums paid by policyholder at the start of PLT period? This is sometimes changed systematically by the company 1 = Bill Sent 2 = Automatic Payment
31	Premium amount payable during Level Term Period (Policy Year N)	8	Annualized Level Term premium amount including policy fee and any substandard ratings/loadings; **Exclude premium related to riders, e.g. Waiver of premium, Accidental Death, Child cover etc.** Round to nearest dollar
32	Premium amount payable in policy year N+1	8	Annualized PLT premium amount including policy fee and any substandard loadings/ratings in **1st** policy year after the anticipated level term period. **Exclude premium related to riders, e.g. Waiver of premium, Accidental Death, Child cover etc.** Round to nearest dollar For a given policy, premiums are required where the policy was inforce PLUS one policy year past termination / end of the study period. **If a policy was inforce for at least some portion of the last policy year of the level period (policy year N), this field is required to determine the PLT premium increase.**
33	Premium amount payable in policy year N+2	8	Annualized PLT premium amount including policy fee and any substandard loadings/ratings in **2nd** policy year after the anticipated level term period. **Exclude premium related to riders, e.g. Waiver of premium, Accidental Death, Child cover etc.** Round to nearest dollar For a given policy, premiums are required where the policy was inforce PLUS for one policy year past termination / end of the study period.
34	Premium amount payable in policy year N+3	8	Annualized PLT premium amount including policy fee and any substandard loadings/ratings in **3rd** policy year after the anticipated level term period. **Exclude premium**

ITEM #	FIELD NAME	LENGTH	DESCRIPTION
			related to riders, e.g. Waiver of premium, Accidental Death, Child cover etc. Round to nearest dollar For a given policy, premiums are required where the policy was inforce PLUS for one policy year past termination / end of the study period.
35	Premium amount payable in policy year N+4	8	Annualized PLT premium amount including policy fee and any substandard loadings/ratings in **4th** policy year after the anticipated level term period. **Exclude premium related to riders, e.g. Waiver of premium, Accidental Death, Child cover etc.** Round to nearest dollar For a given policy, premiums are required where the policy was inforce PLUS one policy year past termination / end of the study period.
36	Premium amount payable in policy year N+5	8	Annualized PLT premium amount including policy fee and any substandard loadings/ratings in **5th** policy year after the anticipated level term period. **Exclude premium related to riders, e.g. Waiver of premium, Accidental Death, Child cover etc.** Round to nearest dollar For a given policy, premiums are required where the policy was inforce PLUS one policy year past termination / end of the study period.
37	Premium amount payable in policy year N+6	8	Annualized PLT premium amount including policy fee and any substandard loadings/ratings in **6th** policy year after the anticipated level term period. **Exclude premium related to riders, e.g. Waiver of premium, Accidental Death, Child cover etc.** Round to nearest dollar For a given policy, premiums are required where the policy was inforce PLUS one policy year past termination / end of the study period.
38	Premium amount payable in policy year N+7	8	Annualized PLT premium amount including policy fee and any substandard loadings/ratings in **7th** policy year after the anticipated level term period. **Exclude premium related to riders, e.g. Waiver of premium, Accidental Death, Child cover etc.** Round to nearest dollar

ITEM #	FIELD NAME	LENGTH	DESCRIPTION
			For a given policy, premiums are required where the policy was inforce PLUS one policy year past termination / end of the study period.
39	Premium amount payable in policy year N+8	8	Annualized PLT premium amount including policy fee and any substandard loadings/ratings in **8th** policy year after the anticipated level term period. **Exclude premium related to riders, e.g. Waiver of premium, Accidental Death, Child cover etc.** Round to nearest dollar For a given policy, premiums are required where the policy was inforce PLUS one policy year past termination / end of the study period.
40	Premium amount payable in policy year N+9	8	Annualized PLT premium amount including policy fee and any substandard loadings/ratings in **9th** policy year after the anticipated level term period. **Exclude premium related to riders, e.g. Waiver of premium, Accidental Death, Child cover etc.** Round to nearest dollar For a given policy, premiums are required where the policy was inforce PLUS one policy year past termination / end of the study period.
41	Premium amount payable in policy year N+10	8	Annualized PLT premium amount including policy fee and any substandard loadings/ratings in **10th** policy year after the anticipated level term period. **Exclude premium related to riders, e.g. Waiver of premium, Accidental Death, Child cover etc.** Round to nearest dollar For a given policy, premiums are required where the policy was inforce PLUS one policy year past termination / end of the study period.
42	Premium amount payable in policy year N+11	8	Annualized PLT premium amount including policy fee and any substandard loadings/ratings in **11th** policy year after the anticipated level term period. **Exclude premium related to riders, e.g. Waiver of premium, Accidental Death, Child cover etc.** Round to nearest dollar For a given policy, premiums are required where the policy was inforce PLUS one policy year past termination / end of the study period.

ITEM #	FIELD NAME	LENGTH	DESCRIPTION
43	Premium amount payable in policy year N+12	8	Annualized PLT premium amount including policy fee and any substandard loadings/ratings in **12th** policy year after the anticipated level term period. **Exclude premium related to riders, e.g. Waiver of premium, Accidental Death, Child cover etc.** Round to nearest dollar For a given policy, premiums are required where the policy was inforce PLUS one policy year past termination / end of the study period.
44	Premium amount payable in policy year N+13	8	Annualized PLT premium amount including policy fee and any substandard loadings/ratings in **13th** policy year after the anticipated level term period. **Exclude premium related to riders, e.g. Waiver of premium, Accidental Death, Child cover etc.** Round to nearest dollar For a given policy, premiums are required where the policy was inforce PLUS one policy year past termination / end of the study period.
45	Premium amount payable in policy year N+14	8	Annualized PLT premium amount including policy fee and any substandard loadings/ratings in **14th** policy year after the anticipated level term period. **Exclude premium related to riders, e.g. Waiver of premium, Accidental Death, Child cover etc.** Round to nearest dollar For a given policy, premiums are required where the policy was inforce PLUS one policy year past termination / end of the study period.
46	Premium amount payable in policy year N+15	8	Annualized PLT premium amount including policy fee and any substandard loadings/ratings in **15th** policy year after the anticipated level term period. **Exclude premium related to riders, e.g. Waiver of premium, Accidental Death, Child cover etc.** Round to nearest dollar For a given policy, premiums are required where the policy was inforce PLUS one policy year past termination / end of the study period.
47	Premium amount payable in policy year N+16	8	Annualized PLT premium amount including policy fee and any substandard loadings/ratings in **16th** policy year after the anticipated level term period. **Exclude premium**

ITEM #	FIELD NAME	LENGTH	DESCRIPTION
			related to riders, e.g. Waiver of premium, Accidental Death, Child cover etc. Round to nearest dollar For a given policy, premiums are required where the policy was inforce PLUS one policy year past termination / end of the study period.
48	Face Amount in policy year N	12	Face Amount of the policy in the last duration of the anticipated level term period (policy year N). Rounded to nearest dollar
49	Face Amount in policy year N+1	12	Face Amount at policy duration N+1, where N is defined as the last duration of the anticipated level term period. **If a policy was inforce for at least some portion of the last policy year of the level period (policy year N), this field is required.** Rounded to nearest dollar
50	Face Amount in policy year N+2	12	Face Amount at policy duration N+2, where N is defined as the last duration of the anticipated level term period. Rounded to nearest dollar
51	Face Amount in policy year N+3	12	Face Amount at policy duration N+3, where N is defined as the last duration of the anticipated level term period. Rounded to nearest dollar
52	Face Amount in policy year N+4	12	Face Amount at policy duration N+4, where N is defined as the last duration of the anticipated level term period. Rounded to nearest dollar
53	Face Amount in policy year N+5	12	Face Amount at policy duration N+5, where N is defined as the last duration of the anticipated level term period. Rounded to nearest dollar
54	Face Amount in policy year N+6	12	Face Amount at policy duration N+6, where N is defined as the last duration of the anticipated level term period. Rounded to nearest dollar
55	Face Amount in policy year N+7	12	Face Amount at policy duration N+7, where N is defined as the last duration of the anticipated level term period. Rounded to nearest dollar

ITEM #	FIELD NAME	LENGTH	DESCRIPTION
56	Face Amount in policy year N+8	12	Face Amount at policy duration N+8, where N is defined as the last duration of the anticipated level term period. Rounded to nearest dollar
57	Face Amount in policy year N+9	12	Face Amount at policy duration N+9, where N is defined as the last duration of the anticipated level term period.
58	Face Amount in policy year N+10	12	Face Amount at policy duration N+10, where N is defined as the last duration of the anticipated level term period. Rounded to nearest dollar
59	Face Amount in policy year N+11	12	Face Amount at policy duration N+11, where N is defined as the last duration of the anticipated level term period. Rounded to nearest dollar
60	Face Amount in policy year N+12	12	Face Amount at policy duration N+12, where N is defined as the last duration of the anticipated level term period. Rounded to nearest dollar
61	Face Amount in policy year N+13	12	Face Amount at policy duration N+13, where N is defined as the last duration of the anticipated level term period. Rounded to nearest dollar
62	Face Amount in policy year N+14	12	Face Amount at policy duration N+14, where N is defined as the last duration of the anticipated level term period. Rounded to nearest dollar
63	Face Amount in policy year N+15	12	Face Amount at policy duration N+15, where N is defined as the last duration of the anticipated level term period. Rounded to nearest dollar
64	Face Amount in policy year N+16	12	Face Amount at policy duration N+16, where N is defined as the last duration of the anticipated level term period. Rounded to nearest dollar

Section 12   Appendix C - Cause of Death Coding

To facilitate validation and processing of cause of death codes, we ask that all cause of death codes be provided in a consistent format. In our experience with other studies, contributors provide cause of death codes in mutually incompatible ways.

12.1   ICD 9 CODING

Although ICD 9 coding has been mostly replaced with ICD 10 coding, some contributors may still use them for certain purposes. ICD 9 codes should be provided without decimals and with leading zeros for padding. This ensures that the code is consistent with official mappings from Centers for Medicare and Medicaid Services.

In general, if you are using decimalized ICD 9 codes,

- the code before the decimal should be padded with leading zeros if the code is otherwise numeric, such that it is three digits,

- the code after the decimal should be appended as is, and

- a leading E should remain in the beginning part of the code

For example, if the contributor's system codes botulism food poisoning with ICD 9 code of 5.1, then it should be provided to us as 0051. As another example, if your system codes "Injury due to war operations by unintentional destruction of aircraft due to own onboard explosives" with ICD 9 code E994.1, this should be provided to us as E9941.

ICD 9 coding also permits the use of two additional code types: cancer morphology codes, and personal and family history codes.

For cancer morphology codes, only include if the cause of death is cancer.

For personal and family history codes, please only include these if this is the best information that is at all available for cause of death. In many cases, and for lack of relevance, these must be marked as unknown when grouping the causes of death.

12.2   ICD 10 CODING

ICD 10 codes are always prefixed with a letter, and they should be provided without decimals. For example, if the contributor's system codes "bubonic plague" as A20.0, we would like this provided to us as A200.

ICD 10 coding provides a much richer description for external causes of death than ICD 9 coding does. Therefore, for accidental death, suicide, homicide, and drug overdoses, we ask that you provide the detailed S, T, V, W, and X codes. For instance, all "poisoning by ecstasy" codes are equipped with intent modifiers which would result in very different grouping.

Code	Description	Category
T43641A	Poisoning by ecstasy, accidental (unintentional), initial encounter	Drug Overdose
T43642A	Poisoning by ecstasy, intentional self-harm, initial encounter	Suicide
T43643A	Poisoning by ecstasy, assault, initial encounter	Homicide
T43644A	Poisoning by ecstasy, undetermined, initial encounter	Accidental (non-MVA)

12.3 USE OF INTERNAL CODING SYSTEMS

If a contributor is unable to supply the detailed ICD codes, they can provide their internal cause of death coding. If so, they must also provide a table which describes each code.

Section 13 Appendix D - LLG Governing Information Security Policy

LLG Information Technology has created and maintains a comprehensive information security program called Governing Information Security Policy for LLG. This program covers information security, risk assessment, and privacy for all LLG IT activities. The program ensures that LLG has in place adequate technical, administrative, and physical safeguards to protect sensitive information. LLG's Chief Information Security Officer is the owner of the program document, and reviews and updates it annually.

1. Zero Trust Architecture Model

LLG's security model is centered on the belief that devices are not to be automatically trusted inside or outside our perimeters. All connections must verify and continually be verified they meet a defined set of requirements before being granted access as well as ongoing access.

2. Physical Security

LLG has industry best practice physical controls to protect staff, information, and guard against intrusion theft, damage, and unauthorized access. A badge reader system controls access to LLG's facilities, computer rooms, and areas where sensitive information is stored. Employees, contractors, and consultants have photo ID badges, that must be prominently displayed. Visitors and third parties must be provided with badges that are prominently displayed at all times during their use of LLG's buildings. LLG IT maintains procedures to ensure that computer and communications rooms are secured and protected from fire.

3. Data Storage

The physical storage location of data is Windsor, CT. The core physical infrastructure that includes physical hardware asset management, security, data protection, and networking services is managed by LLG staff. All systems are managed, monitored, and operated by LLG.

4. End-Point Protection

LLG Information Technology department develops, maintains, and revises as needed, a manual of procedures that govern the following:

- Use of software to protect the computing environment from viruses and other malicious tools
- Updating the computing environment with "patches" for known vulnerabilities
- Restricting the ability of unprotected systems to access the environment
    - Installed and running on all LLG connected computers is an industry approved end-point protection software program that is updated regularly. Definitions are set to update daily

5. Firewalls

LLG utilizes next-generation firewalls to inspect all traffic including applications, threats, and content. The next-generation firewalls provide LL Global the ability to:
- Securely enable applications, users, and content by classifying all traffic.

- Apply security policies to block known vulnerability exploits, viruses, ransomware, spyware, botnets, and other unknown malware, such as advanced persistent threats.
- Protect our network by segmenting data and applications and enforcing the Zero Trust principle.
- Provide centralized visibility and streamline network security, making data actionable to prevent successful cyberattacks.
- URL filtering for outbound connections to prevent access to inappropriate websites.
- Malware analysis and reporting via a cloud-based analysis service that provides detailed analysis and reporting on malware that passes through the firewall.

6. Network Zoning

LLG isolates critical network segments. Virtual machines are one network segment, databases are another, etc.

7. Access Controls

LLG has a comprehensive Access Control Policy that governs access control standards within processing systems and LLG networks, for user registration and privilege management, and for password use and management. This policy also contains requirements and safeguards associated with mobile technologies.

To access LLG computer network and business applications, all users must authenticate with a single unique user ID and a personal secret password managed through Active Directory. Each computer and communication system user ID uniquely identifies only one user. Shared or group user IDs are not created or used. User passwords have strength Requirements and must be changed every 90 days for LLG systems.

8. Least Privilege

LLG adheres to the principle of least privilege. The computer and communications system privileges of all users, systems, and programs are restricted based on the need to know. Special system privileges, such as the ability to examine the files of other users, are restricted to those directly responsible for system management and/or systems security. The number of privileged user IDs is strictly limited to people who absolutely need such privileges for authorized business purposes.

System administrators who manage computer systems with more than one user will have at least two user IDs, one that provides privileged access and is logged, and the other that provides the privileges of a normal user for day-to-day work.

9. Default System Configuration

LLG disables and does not use default or vendor accounts.

10. Recertification of Access

LLG recertifies users access accounts on a quarterly basis.

11. Connection to LLG Network

LLG network does not permit anyone to physically connect a personal computer or device to the network. All computers and devices that physically connect to the LLG network are owned, configured, and maintained by LLG. LLG does have a smartphone Bring Your Own Device policy, but devices covered under this policy, are configured only for e-mail access and do not connect to the LLG network.

Section 14   About The Society of Actuaries Research Institute

Serving as the research arm of the Society of Actuaries (SOA), the SOA Research Institute provides objective, data-driven research bringing together tried and true practices and future-focused approaches to address societal challenges and your business needs. The Institute provides trusted knowledge, extensive experience and new technologies to help effectively identify, predict and manage risks.

Representing the thousands of actuaries who help conduct critical research, the SOA Research Institute provides clarity and solutions on risks and societal challenges. The Institute connects actuaries, academics, employers, the insurance industry, regulators, research partners, foundations and research institutions, sponsors and non-governmental organizations, building an effective network which provides support, knowledge and expertise regarding the management of risk to benefit the industry and the public.

Managed by experienced actuaries and research experts from a broad range of industries, the SOA Research Institute creates, funds, develops and distributes research to elevate actuaries as leaders in measuring and managing risk. These efforts include studies, essay collections, webcasts, research papers, survey reports, and original research on topics impacting society.

Harnessing its peer-reviewed research, leading-edge technologies, new data tools and innovative practices, the Institute seeks to understand the underlying causes of risk and the possible outcomes. The Institute develops objective research spanning a variety of topics with its strategic research programs: aging and retirement; actuarial innovation and technology; mortality and longevity; diversity, equity and inclusion; health care cost trends; and catastrophe and climate risk. The Institute has a large volume of topical research available, including an expanding collection of international and market-specific research, experience studies, models and timely research.

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Section 15   About LIMRA

Established in 1916, LIMRA is a research and professional development not-for-profit trade association for the financial services industry. More than 600 insurance and financial services organizations around the world rely on LIMRA's research and educational solutions to help them make bottom-line decisions with greater confidence. Companies look to LIMRA for its unique ability to help them understand their customers, markets, distribution channels and competitors and leverage that knowledge to develop realistic business solutions.

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