

# SOA Data Tables Pt. 2

*Simon Hua*

*10/5/2018*

Table 1: Summary Statistics (N=30631099)

	Policies_E	Amount_E	Deaths	Death Amount	Entries	%
<b>Observation Year</b>						
2009	31322347.2	5.329655e+12	249865	11049731425	2686387	0.09
2010	40190513.5	6.567315e+12	412029	16082100961	3182382	0.10
2011	57118520.0	1.097314e+13	563694	26101825067	4371682	0.14
2012	51036427.5	1.079893e+13	537286	27828587056	4630215	0.15
2013	57373028.9	1.189840e+13	554199	30043247447	4826461	0.16
2014	57552164.7	1.244996e+13	560393	32777977744	5439002	0.18
2015	57907852.3	1.307770e+13	565853	35479567171	5494970	0.18
<b>Common Company Indicator</b>						
0	3955808.6	1.119946e+12	26992	1980538483	2205090	0.07
1	348545045.5	6.997516e+13	3416327	177382498388	28426009	0.93
<b>Preferred Indicator</b>						
0	213832266.7	1.447131e+13	3121473	83937218714	11069266	0.36
1	138668587.3	5.662379e+13	321846	95425818157	19561833	0.64
<b>Gender</b>						
Female	154816174.9	2.420024e+13	1219886	53712137008	14117215	0.46
Male	197684679.2	4.689486e+13	2223433	125650899863	16513884	0.54
<b>Smoker Under 18</b>						
False	350492696.0	7.100341e+13	3442924	179347474611	30487231	1.00
True	2008158.1	9.168777e+10	395	15562260	143868	0.00
<b>Insurance Plan</b>						
Other	357532.5	1.226857e+11	2961	260774867	236870	0.01
Perm	153691641.8	8.083706e+12	2752624	54498008769	5391279	0.18
Term	123573349.5	4.968824e+13	230360	52613391666	13802908	0.45
UL	45060663.6	5.078338e+12	336337	38831210593	4488653	0.15
ULSG	10903811.8	3.735703e+12	47792	20839679371	2668447	0.09
VL	14239546.7	2.985235e+12	58081	9442117489	2570343	0.08
VLSG	4674308.2	1.401195e+12	15164	2877854116	1472599	0.05
<b>Age Basis</b>						
0	190683576.5	4.988298e+13	1972855	121950813754	17899901	0.58
1	161817277.6	2.121212e+13	1470464	57412223117	12731198	0.42

Table 2: Statistics by Issue Age

Issue Age	Policies_E	Amount_E	Deaths	Death Amount	Entries	%	Smokers	%
0	19811993	6.186170e+11	34810	296659977	169888	0.01	36100	0.212
1	7003008	2.786080e+11	11922	134884628	154927	0.01	32775	0.212
2	4209846	1.712121e+11	6702	75914884	139313	0.00	28845	0.207
3	3379742	1.410963e+11	5547	62702863	134608	0.00	27634	0.205
4	2945335	1.263342e+11	5239	63828971	132565	0.00	26965	0.203
5	2732118	1.174481e+11	5611	69004485	131680	0.00	26374	0.200
6	2529404	1.097244e+11	5382	62466019	130671	0.00	26013	0.199
7	2389736	1.036538e+11	5585	58993997	129561	0.00	25876	0.200
8	2306773	1.001813e+11	6042	67914535	129516	0.00	25208	0.195
9	2241284	9.659414e+10	6709	73120626	128171	0.00	25483	0.199
10	2420046	9.597204e+10	17033	121418269	132072	0.00	25384	0.192
11	2272872	9.276892e+10	13844	111467091	130791	0.00	25323	0.194
12	2253452	9.141099e+10	14445	118372783	131189	0.00	25376	0.193
13	2272753	9.173935e+10	15652	133828329	132346	0.00	25302	0.191
14	2337003	9.214468e+10	17917	156156825	133831	0.00	25467	0.190
15	2667562	9.749619e+10	26250	245199075	142645	0.00	27460	0.193
16	3103587	1.094319e+11	33396	247520287	152906	0.00	28061	0.184
17	3404792	1.139997e+11	36085	292169119	158287	0.01	31746	0.201
18	4777596	1.671565e+11	54110	419155379	310171	0.01	64536	0.208
19	4421886	1.689406e+11	57210	428613430	321076	0.01	70102	0.218
20	4793078	2.090263e+11	62751	498744612	346425	0.01	75430	0.218
21	4803616	2.554995e+11	62931	571915425	376338	0.01	81229	0.216
22	5361388	3.443500e+11	64278	665541092	414021	0.01	89231	0.216
23	5679691	4.633117e+11	63615	748333155	449199	0.01	96132	0.214
24	6206244	6.099666e+11	64283	867499068	483449	0.02	104613	0.216
25	7563745	8.252474e+11	68889	1073736500	531978	0.02	116905	0.220
26	7033388	9.738250e+11	64224	1112783243	545647	0.02	117502	0.215
27	7479936	1.195563e+12	64597	1305119881	570549	0.02	122770	0.215
28	8173762	1.457472e+12	67526	1538734548	600511	0.02	131171	0.218
29	8501101	1.754564e+12	67047	1681542065	617153	0.02	134189	0.217
30	8874491	2.044637e+12	68231	1919907242	635737	0.02	138334	0.218
31	9203303	2.286110e+12	68481	2135427942	656808	0.02	142993	0.218
32	9147724	2.500503e+12	67287	2313997812	663023	0.02	145355	0.219
33	9228175	2.674533e+12	67651	2444654397	671963	0.02	146844	0.219
34	9502909	2.834480e+12	70884	2858984602	683618	0.02	149301	0.218
35	9358042	2.973812e+12	69994	3048257875	689771	0.02	150336	0.218
36	9011639	2.893014e+12	68627	3157441848	691790	0.02	150180	0.217
37	8989124	2.875934e+12	70930	3280683855	698675	0.02	153195	0.219
38	8595079	2.809986e+12	70501	3400987960	693254	0.02	151175	0.218
39	8605766	2.829221e+12	72999	3671768996	696447	0.02	151394	0.217
40	8439596	2.736876e+12	74337	3692670693	698549	0.02	151574	0.217
41	7629649	2.485485e+12	66667	3781794178	684871	0.02	147584	0.215
42	7285764	2.345196e+12	67125	3936547865	679384	0.02	145188	0.214
43	6945780	2.193589e+12	66240	3780171632	671430	0.02	142513	0.212
44	6657525	2.067452e+12	65651	3925022576	662667	0.02	140014	0.211
45	6455199	1.980999e+12	65408	3839090108	659833	0.02	139389	0.211
46	5984737	1.808525e+12	60994	3783605568	640023	0.02	131956	0.206
47	5665536	1.678467e+12	61277	3740905890	629294	0.02	128760	0.205
48	5389411	1.565058e+12	60865	3891375298	619708	0.02	125797	0.203
49	5313720	1.540010e+12	62412	4190790445	612342	0.02	122550	0.200

Table 3: Statistics by Issue Age (Cont.)

	Issue Age	Policies_E	Amount_E	Deaths	Death Amount	Entries	%	Smokers	%
51	50	5.034591e+06	1.424247e+12	61471	4091817653	601657	0.02	119821	0.199
52	51	4.450880e+06	1.219453e+12	57318	3777176824	560080	0.02	111039	0.198
53	52	4.177468e+06	1.129262e+12	56698	3855054123	546074	0.02	107285	0.196
54	53	3.859100e+06	1.013468e+12	55529	3703567644	528725	0.02	101963	0.193
55	54	3.660478e+06	9.459879e+11	56336	3819870355	515010	0.02	97444	0.189
56	55	3.586469e+06	9.032376e+11	57496	3976576155	504460	0.02	93855	0.186
57	56	3.096327e+06	7.675565e+11	51626	3769806093	472045	0.02	87015	0.184
58	57	2.792874e+06	6.748361e+11	50898	3691353362	452117	0.01	81583	0.180
59	58	2.531798e+06	5.973710e+11	49902	3616440576	431079	0.01	76368	0.177
60	59	2.425630e+06	5.585231e+11	51719	3742567391	420092	0.01	72481	0.173
61	60	2.276721e+06	5.023794e+11	52243	3738458763	400917	0.01	68975	0.172
62	61	1.829117e+06	3.909377e+11	46228	3279070681	362655	0.01	60519	0.167
63	62	1.720214e+06	3.491152e+11	48131	3261808306	348558	0.01	57808	0.166
64	63	1.457682e+06	2.911563e+11	43393	2921418230	325147	0.01	53066	0.163
65	64	1.354695e+06	2.568916e+11	44735	3104856707	308901	0.01	47548	0.154
66	65	1.321059e+06	2.426688e+11	45516	3066958622	304133	0.01	47048	0.155
67	66	9.218409e+05	1.807954e+11	31442	2515169215	247790	0.01	37180	0.150
68	67	7.687390e+05	1.535716e+11	27747	2393561060	226316	0.01	32167	0.142
69	68	6.546820e+05	1.394170e+11	24985	2432895401	210698	0.01	28766	0.137
70	69	5.992664e+05	1.313850e+11	24161	2465748675	198427	0.01	25694	0.129
71	70	5.630837e+05	1.256151e+11	23184	2541525879	190169	0.01	25284	0.133
72	71	3.674907e+05	1.015752e+11	16349	2248106754	148580	0.00	17834	0.120
73	72	3.063672e+05	9.427002e+10	14263	1952392756	135070	0.00	15163	0.112
74	73	2.581252e+05	8.903591e+10	12608	1957153430	120965	0.00	12725	0.105
75	74	2.263095e+05	9.216689e+10	11182	2192812646	111123	0.00	11269	0.101
76	75	2.066066e+05	9.342304e+10	10783	2417351907	103426	0.00	9782	0.095
77	76	1.427716e+05	6.947136e+10	7219	2042726672	80571	0.00	7000	0.087
78	77	1.234176e+05	6.951820e+10	6476	2036752503	72221	0.00	5849	0.081
79	78	1.036232e+05	6.457871e+10	5787	2329497420	64207	0.00	4938	0.077
80	79	9.087094e+04	5.973302e+10	5367	2395181642	56625	0.00	3976	0.070
81	80	7.753007e+04	5.482333e+10	4913	2664168568	49133	0.00	3235	0.066
82	81	4.062704e+04	2.774942e+10	2458	1387948325	31298	0.00	1865	0.060
83	82	3.475991e+04	2.807544e+10	2367	1683744364	27670	0.00	1521	0.055
84	83	2.757415e+04	2.014989e+10	1928	1259645113	22695	0.00	925	0.041
85	84	2.097651e+04	1.484338e+10	1695	1035926411	18318	0.00	661	0.036
86	85	1.644462e+04	1.260787e+10	1362	945977419	15917	0.00	596	0.037
87	86	4.467337e+03	2.717455e+09	379	286470527	5236	0.00	161	0.031
88	87	3.494870e+03	2.115218e+09	315	208824428	4138	0.00	87	0.021
89	88	2.793922e+03	1.674567e+09	298	239361688	3221	0.00	67	0.021
90	89	1.881357e+03	9.121062e+08	184	131115108	2298	0.00	40	0.017
91	90	1.157533e+03	4.377295e+08	141	54901553	1505	0.00	70	0.047
92	91	1.002195e+02	4.747201e+06	16	553094	204	0.00	2	0.010
93	92	6.383323e+01	5.164551e+06	13	643947	135	0.00	1	0.007
94	93	4.675312e+01	5.660927e+06	16	846677	79	0.00	1	0.013
95	94	5.001646e+01	5.765460e+06	21	1831148	99	0.00	10	0.101
96	95	1.597699e+02	4.489211e+07	36	14413001	225	0.00	10	0.044
97	96	4.422663e+02	1.892925e+07	162	8612269	275	0.00	5	0.018
98	97	1.582534e+01	7.885404e+06	2	13624	32	0.00	0	0.000
99	98	1.216906e+01	3.553515e+06	4	227743	24	0.00	0	0.000
100	99	5.474536e+01	6.114132e+06	24	2706476	88	0.00	2	0.023

Table 4: Statistics by Duration

Duration	Policies_E	Amount_E	Deaths	Death Amount	Entries	%	Smokers	%
1	16360325	6.087477e+12	9755	2041328482	1668306	0.05	313345	0.188
2	14978077	5.836718e+12	12292	2881794842	1649696	0.05	305375	0.185
3	14078922	5.628757e+12	14894	3980014769	1629998	0.05	297262	0.182
4	13342295	5.373625e+12	15878	4727824018	1614462	0.05	294028	0.182
5	12768693	5.095068e+12	17272	5413376932	1602075	0.05	292833	0.183
6	12459227	4.881845e+12	19205	6516462365	1591102	0.05	291278	0.183
7	12353641	4.701695e+12	21592	7698819005	1583215	0.05	290239	0.183
8	12236619	4.429645e+12	24163	8154026638	1562069	0.05	287825	0.184
9	12021661	4.067318e+12	27568	9116089890	1521896	0.05	283345	0.186
10	11937618	3.759958e+12	30348	9381213103	1480708	0.05	280714	0.190
11	10498968	2.956453e+12	30019	7680397636	1404216	0.05	271684	0.193
12	10097579	2.613643e+12	31731	6802263177	1308860	0.04	257335	0.197
13	9532967	2.238750e+12	33316	6287227897	1223128	0.04	246170	0.201
14	8973135	1.890813e+12	35378	5737100308	1119448	0.04	233315	0.208
15	8438741	1.580669e+12	37349	5351478632	1013504	0.03	218807	0.216
16	7720829	1.256743e+12	38811	4788640794	884573	0.03	199429	0.225
17	7193610	9.691696e+11	41556	4217685573	758097	0.02	178935	0.236
18	6970298	8.100352e+11	45812	4170365529	669883	0.02	163715	0.244
19	6898789	7.121257e+11	50770	4034543228	603028	0.02	151124	0.251
20	6960551	6.573088e+11	55946	4105119048	551447	0.02	139683	0.253
21	6827301	5.904107e+11	61135	4107074829	501654	0.02	128517	0.256
22	6886985	5.626322e+11	66314	4208996072	463334	0.02	118902	0.257
23	6941992	5.400502e+11	71902	4446042548	436844	0.01	112284	0.257
24	6967387	5.153690e+11	76795	4423644825	414517	0.01	106592	0.257
25	6953485	4.886111e+11	80329	4535537873	392150	0.01	100481	0.256
26	6842305	4.547448e+11	83387	4344644409	366867	0.01	93801	0.256
27	6516799	4.067188e+11	84402	4266406771	340780	0.01	87271	0.256
28	5986860	3.466767e+11	82441	3943420210	311015	0.01	79174	0.255
29	5350737	2.837634e+11	76879	3380271219	272018	0.01	67516	0.248
30	4684923	2.234609e+11	70230	2837069566	228832	0.01	54684	0.239
31	4016313	1.693341e+11	61787	2201019039	185241	0.01	42015	0.227
32	3426916	1.234860e+11	54916	1691187800	145663	0.00	30843	0.212
33	2974624	8.801721e+10	48421	1270154764	112549	0.00	20959	0.186
34	2724384	6.780368e+10	44738	1031857429	84879	0.00	12061	0.142
35	2628417	5.865450e+10	43910	946038135	65097	0.00	5656	0.087
36	2567595	5.208426e+10	44199	853631411	54601	0.00	2703	0.050
37	2538729	4.748801e+10	45460	802254542	50122	0.00	2319	0.046
38	2494024	4.333216e+10	47120	798591303	46512	0.00	2000	0.043
39	2435191	3.965438e+10	48134	745909360	43105	0.00	1611	0.037
40	2377401	3.668172e+10	49116	747828831	40109	0.00	1264	0.032
41	2319214	3.416284e+10	50064	709543978	37378	0.00	981	0.026
42	2272588	3.203382e+10	51105	717843194	35105	0.00	836	0.024
43	2234681	2.993347e+10	52131	691446043	33443	0.00	835	0.025
44	2215363	2.813169e+10	54119	698308917	31912	0.00	819	0.026
45	2193103	2.645125e+10	55829	712189217	30438	0.00	793	0.026
46	2179780	2.494515e+10	57710	695307188	28987	0.00	763	0.026
47	2145330	2.333618e+10	59469	689497300	27593	0.00	736	0.027
48	2085122	2.165013e+10	60188	683574393	26212	0.00	724	0.028
49	2013791	2.003563e+10	60472	666883559	24969	0.00	682	0.027
50	1946218	1.859468e+10	60967	656937666	23817	0.00	616	0.026
51	1866849	1.709909e+10	60640	645187335	22677	0.00	575	0.025
52	1790801	1.572736e+10	60013	622615900	21528	0.00	549	0.026
53	1737043	1.467327e+10	60667	602622231	20431	0.00	497	0.024

Table 5: Statistics by Duration (Cont.)

	Duration	Policies_E	Amount_E	Deaths	Death Amount	Entries	%	Smokers	%
54	54	1.701853e+06	1.393810e+10	62506	607764133	19319	0	452	0.023
55	55	1.627838e+06	1.283718e+10	61209	590280486	18390	0	431	0.023
56	56	1.509360e+06	1.147846e+10	58950	571973047	17533	0	413	0.024
57	57	1.372619e+06	1.000735e+10	55201	517060071	16636	0	395	0.024
58	58	1.222112e+06	8.464793e+09	49856	457524310	15733	0	386	0.025
59	59	1.079775e+06	7.001324e+09	44963	400854673	14716	0	390	0.027
60	60	9.406291e+05	5.614775e+09	39798	339574113	13683	0	390	0.029
61	61	8.305027e+05	4.684195e+09	36605	293747880	12810	0	386	0.030
62	62	7.571269e+05	4.001678e+09	34625	254968636	11964	0	380	0.032
63	63	7.189927e+05	3.543892e+09	34745	238131596	11223	0	368	0.033
64	64	6.863757e+05	3.139851e+09	34887	214185581	10485	0	331	0.032
65	65	6.506368e+05	2.750170e+09	34410	200034305	9715	0	285	0.029
66	66	6.109403e+05	2.403481e+09	33516	175673199	9013	0	248	0.028
67	67	5.724892e+05	2.083869e+09	32017	153855934	8258	0	194	0.023
68	68	5.354777e+05	1.835975e+09	31673	136652404	7634	0	165	0.022
69	69	4.862481e+05	1.589449e+09	31137	125070628	7122	0	175	0.025
70	70	4.256934e+05	1.312945e+09	29090	108784977	6615	0	193	0.029
71	71	3.685405e+05	1.091301e+09	26488	94138067	6127	0	211	0.034
72	72	3.101301e+05	8.969856e+08	24858	84465418	5779	0	228	0.039
73	73	2.523148e+05	7.193972e+08	21815	72648770	5453	0	225	0.041
74	74	2.034929e+05	5.726660e+08	19302	63890620	5058	0	200	0.040
75	75	1.587896e+05	4.288168e+08	15480	49889873	4651	0	192	0.041
76	76	1.221229e+05	3.217143e+08	12556	39076313	4263	0	198	0.046
77	77	9.153363e+04	2.363322e+08	9734	30631526	3912	0	190	0.049
78	78	6.805750e+04	1.692640e+08	7585	22325342	3583	0	173	0.048
79	79	5.170856e+04	1.223660e+08	5937	16447704	3252	0	158	0.049
80	80	3.922507e+04	8.863862e+07	4569	12157286	2943	0	135	0.046
81	81	2.935524e+04	6.485201e+07	3416	9330242	2599	0	109	0.042
82	82	2.188850e+04	4.471636e+07	2442	6525531	2230	0	84	0.038
83	83	1.649864e+04	3.183064e+07	1823	5130151	1966	0	59	0.030
84	84	1.239943e+04	2.225671e+07	1252	3805243	1773	0	36	0.020
85	85	9.382779e+03	1.462847e+07	838	2454463	1535	0	20	0.013
86	86	6.935127e+03	7.704370e+06	508	1638562	1255	0	14	0.011
87	87	5.985527e+03	4.629100e+06	285	817935	996	0	11	0.011
88	88	5.652069e+03	3.042424e+06	198	591614	773	0	8	0.010
89	89	5.449474e+03	2.344752e+06	114	348303	560	0	4	0.007
90	90	5.589248e+03	1.978216e+06	76	310668	388	0	1	0.003
91	91	6.140539e+03	1.512556e+06	40	182911	283	0	0	0.000
92	92	6.687281e+03	1.207254e+06	47	219427	209	0	0	0.000
93	93	6.200269e+03	8.790369e+05	47	201927	150	0	0	0.000
94	94	2.916295e+03	5.061321e+05	23	51897	113	0	0	0.000
95	95	1.770174e+02	3.956272e+05	25	81983	90	0	0	0.000
96	96	1.220524e+02	2.710097e+05	9	23696	66	0	0	0.000
97	97	3.549753e+01	2.219740e+05	8	73283	48	0	0	0.000
98	98	1.934202e+01	1.733883e+05	6	101822	33	0	0	0.000
99	99	1.220530e+01	7.129752e+04	4	20157	22	0	0	0.000
100	100	1.010477e+01	5.802901e+04	2	10441	15	0	0	0.000
101	101	2.832870e+00	9.161344e+03	0	0	9	0	0	0.000
102	102	2.000000e+00	4.738000e+03	0	0	4	0	0	0.000
103	103	2.753409e+00	6.578361e+03	0	0	5	0	0	0.000
104	104	3.000000e+00	4.258000e+03	0	0	6	0	0	0.000
105	105	2.030137e+00	2.728526e+03	0	0	5	0	0	0.000
106	106	2.000000e+00	2.681000e+03	0	0	4	0	0	0.000
107	107	1.161659e+00	5.721687e+02	0	0	2	0	0	0.000

Table 6: Statistics by Attained Age

Attained Age	Policies_E	Amount_E	Deaths	Death Amount	Entries	%	Smokers	%
0	405783.7	2.831768e+10	212	10222834	4738	0.00	1013	0.214
1	584594.1	4.251912e+10	107	11897345	9196	0.00	1871	0.203
2	690214.1	4.988682e+10	87	7094942	13329	0.00	2641	0.198
3	768222.6	5.484106e+10	96	5490207	17339	0.00	3381	0.195
4	832720.3	5.843266e+10	69	4315602	21320	0.00	4111	0.193
5	893552.4	6.173233e+10	67	4706128	25482	0.00	4928	0.193
6	947724.5	6.424924e+10	76	5369543	29603	0.00	5772	0.195
7	997246.2	6.597255e+10	72	3514233	33631	0.00	6638	0.197
8	1045935.9	6.731669e+10	89	5110213	37508	0.00	7434	0.198
9	1097439.7	6.907942e+10	69	3777744	41325	0.00	8235	0.199
10	1150854.1	7.093823e+10	86	6309612	45241	0.00	9158	0.202
11	1201114.8	7.254708e+10	99	3993029	49060	0.00	10012	0.204
12	1252748.7	7.407414e+10	121	4804212	52936	0.00	10909	0.206
13	1307634.9	7.598882e+10	182	10405087	57040	0.00	11836	0.208
14	1364459.6	7.793096e+10	263	10301975	60963	0.00	12665	0.208
15	1417561.8	7.982753e+10	335	13432528	65007	0.00	13589	0.209
16	1488546.7	8.307091e+10	455	17712400	69337	0.00	14419	0.208
17	1565036.0	8.696593e+10	662	30524379	73972	0.00	15256	0.206
18	1670883.8	9.517578e+10	864	38946328	89584	0.00	18413	0.206
19	1779430.2	1.038211e+11	1062	46764349	106327	0.00	22314	0.210
20	1885666.2	1.169710e+11	1193	70640128	124537	0.00	26413	0.212
21	1984343.8	1.317056e+11	1398	104290733	143581	0.00	30538	0.213
22	2099670.6	1.526024e+11	1399	86096410	163825	0.01	34786	0.212
23	2237282.2	1.824590e+11	1438	85275572	185725	0.01	39289	0.212
24	2384660.8	2.221971e+11	1489	86933626	208807	0.01	44374	0.213
25	2585302.1	2.769108e+11	1637	101523962	232909	0.01	49660	0.213
26	2754669.0	3.401941e+11	1740	113885274	257386	0.01	54881	0.213
27	2950036.0	4.202646e+11	1753	119434719	283053	0.01	60467	0.214
28	3175390.7	5.198455e+11	1829	148060074	309166	0.01	66300	0.214
29	3421710.1	6.402260e+11	1944	155023553	335145	0.01	72100	0.215
30	3672951.8	7.774974e+11	2065	200462101	359885	0.01	77867	0.216
31	3928588.3	9.267484e+11	2234	213149870	383413	0.01	83138	0.217
32	4175272.6	1.083944e+12	2279	238925565	406361	0.01	88055	0.217
33	4395255.9	1.238044e+12	2485	300691854	427849	0.01	92439	0.216
34	4603674.0	1.388850e+12	2592	353576182	447803	0.01	96421	0.215
35	4803621.5	1.533291e+12	2829	430588622	466386	0.02	99838	0.214
36	5005266.1	1.662846e+12	3039	470307275	484209	0.02	103183	0.213
37	5253698.1	1.795219e+12	3330	550356396	502884	0.02	106873	0.213
38	5540135.6	1.928568e+12	3663	607889396	521478	0.02	110663	0.212
39	5856636.9	2.066230e+12	4099	753587357	539841	0.02	114741	0.213
40	6160941.1	2.191734e+12	4566	799870393	557795	0.02	118848	0.213
41	6428016.1	2.284783e+12	5203	955455201	574503	0.02	122561	0.213
42	6685049.1	2.359078e+12	5871	1129717442	590368	0.02	126002	0.213
43	6903902.9	2.405447e+12	6366	1206457284	604922	0.02	129033	0.213
44	7071074.1	2.417617e+12	7230	1433437713	616910	0.02	131617	0.213
45	7191295.1	2.393829e+12	8138	1495399550	626678	0.02	133809	0.214
46	7324508.0	2.365510e+12	8794	1658799099	636414	0.02	135815	0.213
47	7488824.8	2.342202e+12	9976	1770509582	646855	0.02	138031	0.213
48	7667803.8	2.319536e+12	11479	1998525426	656469	0.02	140720	0.214
49	7827857.6	2.285846e+12	12990	2249741208	665231	0.02	143314	0.215
50	7944922.9	2.238892e+12	14558	2215036423	671921	0.02	145109	0.216
51	7975000.1	2.159253e+12	16357	2526984254	673680	0.02	145460	0.216
52	7961153.8	2.063964e+12	17733	2519065344	673486	0.02	145182	0.216
53	7925552.5	1.963146e+12	19072	2752144229	671433	0.02	144276	0.215
54	7860160.7	1.857077e+12	20889	2779206876	667295	0.02	142538	0.214
55	7758365.9	1.745383e+12	22859	2855427315	661932	0.02	140162	0.212
56	7626986.0	1.631478e+12	24522	2950982426	654225	0.02	137250	0.210
57	7463677.9	1.517641e+12	264767	3145929267	644810	0.02	134124	0.208
58	7254202.2	1.397630e+12	28368	3249530806	633702	0.02	130699	0.206
59	7032812.3	1.281917e+12	30207	3244716742	622418	0.02	127203	0.204

Table 7: Statistics by Attained Age (Cont.)

	Attained Age	Policies_E	Amount_E	Deaths	Death Amount	Entries	%	Smokers	%
61	60	6.821135e+06	1.174675e+12	32607	3263809812	610175	0.02	123729	0.203
62	61	6.646203e+06	1.077651e+12	34943	3438558786	596973	0.02	119746	0.201
63	62	6.466322e+06	9.873676e+11	37925	3521643077	582495	0.02	115539	0.198
64	63	6.200691e+06	8.936223e+11	40560	3453724323	565175	0.02	110841	0.196
65	64	5.890960e+06	8.009653e+11	42616	3583971290	546205	0.02	105912	0.194
66	65	5.481823e+06	7.091411e+11	44474	3481020362	524097	0.02	100573	0.192
67	66	5.198925e+06	6.302360e+11	47020	3461973299	499489	0.02	94622	0.189
68	67	4.886761e+06	5.538454e+11	48826	3517664397	476314	0.02	88952	0.187
69	68	4.502048e+06	4.760704e+11	50811	3284314037	450747	0.01	82790	0.184
70	69	4.148752e+06	4.076488e+11	52615	3254051356	425235	0.01	76742	0.180
71	70	3.914577e+06	3.583913e+11	56259	3236989975	398359	0.01	70559	0.177
72	71	3.722227e+06	3.186953e+11	59374	3283979861	370624	0.01	64426	0.174
73	72	3.502112e+06	2.801174e+11	61796	3143135733	347244	0.01	59017	0.170
74	73	3.281343e+06	2.451415e+11	64674	3182018821	324497	0.01	53851	0.166
75	74	3.115254e+06	2.186349e+11	69139	3055012760	303450	0.01	49128	0.162
76	75	2.971485e+06	1.976294e+11	74001	3142429647	283767	0.01	44694	0.158
77	76	2.847444e+06	1.812431e+11	79137	3248818508	264671	0.01	40676	0.154
78	77	2.727824e+06	1.673988e+11	84835	3373271160	247415	0.01	37124	0.150
79	78	2.622622e+06	1.563644e+11	91095	3523141737	231142	0.01	33911	0.147
80	79	2.526473e+06	1.480955e+11	99006	3787841724	216236	0.01	31009	0.143
81	80	2.425009e+06	1.392578e+11	106342	4162738533	201378	0.01	28272	0.140
82	81	2.331438e+06	1.316959e+11	114496	4127396200	186849	0.01	25692	0.138
83	82	2.239189e+06	1.242840e+11	122876	4139791703	174238	0.01	23342	0.134
84	83	2.128580e+06	1.161462e+11	130335	4419181266	162285	0.01	21216	0.131
85	84	1.996954e+06	1.065183e+11	137253	4890146771	150604	0.00	19309	0.128
86	85	1.806899e+06	9.518007e+10	137878	4820315568	138898	0.00	17468	0.126
87	86	1.642903e+06	8.387953e+10	140567	5719971223	127219	0.00	15577	0.122
88	87	1.470802e+06	7.126135e+10	140181	5008838200	116306	0.00	13946	0.120
89	88	1.289864e+06	5.895461e+10	136318	4557114820	105222	0.00	12355	0.117
90	89	1.108095e+06	4.751153e+10	130103	4306027423	94176	0.00	10734	0.114
91	90	9.289895e+05	3.710594e+10	120817	3908962378	83371	0.00	9269	0.111
92	91	7.608689e+05	2.808138e+10	108323	3256247730	72724	0.00	7943	0.109
93	92	6.109103e+05	2.087731e+10	95317	2617404737	62670	0.00	6687	0.107
94	93	4.801705e+05	1.498654e+10	81537	2322179903	53228	0.00	5508	0.103
95	94	3.672943e+05	1.021394e+10	66040	1839656803	44373	0.00	4362	0.098
96	95	2.647213e+05	6.551065e+09	51508	1303037717	36111	0.00	3256	0.090
97	96	1.589243e+05	4.093272e+09	34078	839259075	28938	0.00	2367	0.082
98	97	1.108424e+05	2.559714e+09	24567	672104178	22772	0.00	1725	0.076
99	98	7.606306e+04	1.509802e+09	17290	398781997	17798	0.00	1177	0.066
100	99	4.934926e+04	9.261383e+08	11727	209895941	13536	0.00	744	0.055
101	100	1.884323e+04	4.163841e+08	5253	105836623	9280	0.00	447	0.048
102	101	1.097975e+04	2.464429e+08	2984	48664706	6034	0.00	275	0.046
103	102	6.962821e+03	1.684937e+08	1914	22442322	4657	0.00	169	0.036
104	103	4.512114e+03	1.234046e+08	1199	35909238	3632	0.00	100	0.028
105	104	2.756498e+03	6.213585e+07	627	8997749	2799	0.00	55	0.020
106	105	1.835697e+03	4.595910e+07	363	4447565	2185	0.00	28	0.013
107	106	1.244800e+03	3.144633e+07	187	2518972	1682	0.00	16	0.010
108	107	8.359191e+02	2.696462e+07	111	1485525	1255	0.00	13	0.010
109	108	5.671564e+02	2.724570e+07	74	572211	960	0.00	12	0.012
110	109	4.107020e+02	2.510456e+07	48	995409	737	0.00	8	0.011
111	110	3.030655e+02	2.557661e+07	35	580288	565	0.00	8	0.014
112	111	2.414466e+02	1.593692e+07	25	248539	464	0.00	11	0.024
113	112	1.948033e+02	1.554656e+07	25	311427	375	0.00	10	0.027
114	113	1.402013e+02	1.136847e+07	11	259341	290	0.00	7	0.024
115	114	1.200150e+02	1.305811e+07	9	236597	228	0.00	4	0.018
116	115	9.704896e+01	9.188203e+06	8	345162	171	0.00	3	0.018
117	116	8.217131e+01	8.721703e+06	6	185740	147	0.00	3	0.020
118	117	6.533691e+01	8.681116e+06	8 2	1411	120	0.00	2	0.017
119	118	6.724088e+01	9.854715e+06	4	156886	119	0.00	2	0.017
120	119	6.796595e+01	8.002680e+06	6	90390	113	0.00	1	0.009
121	120	3.626523e+01	6.672310e+06	0	0	52	0.00	0	0.000



Table 8: Statistics by Issue Year

Issue Year	Policies_E	Amount_E	Deaths	Death Amount	Entries	%	Smokers	%
1906	8.000000e+00	1.072400e+04	0	0	16	0	0	0.000
1908	4.000000e+00	6.308000e+03	0	0	8	0	0	0.000
1909	3.720315e+00	1.349355e+04	0	0	8	0	0	0.000
1910	8.646390e+00	3.509007e+04	2	10441	8	0	0	0.000
1911	5.027292e+00	5.000847e+04	2	3675	8	0	0	0.000
1912	8.055923e+00	1.990157e+05	1	89596	14	0	0	0.000
1913	3.947354e+00	4.983664e+04	2	31424	14	0	0	0.000
1914	3.661191e+01	1.863015e+05	8	75095	32	0	0	0.000
1915	5.098915e+01	7.714554e+04	6	15462	36	0	0	0.000
1916	1.048316e+03	2.297682e+05	8	33715	44	0	0	0.000
1917	3.674932e+03	4.761599e+05	16	61255	84	0	0	0.000
1918	5.774883e+03	3.767166e+05	18	51234	122	0	0	0.000
1919	6.630373e+03	5.907623e+05	40	153245	178	0	0	0.000
1920	5.404287e+03	1.830075e+06	43	276838	186	0	0	0.000
1921	4.816056e+03	1.207573e+06	39	178334	208	0	0	0.000
1922	4.565428e+03	1.577997e+06	55	221972	260	0	0	0.000
1923	5.992744e+03	2.534145e+06	66	186067	424	0	0	0.000
1924	4.937861e+03	2.942508e+06	146	705825	609	0	0	0.000
1925	5.533031e+03	4.203381e+06	263	692291	894	0	8	0.009
1926	6.402658e+03	5.840622e+06	451	1079473	1135	0	6	0.005
1927	8.957408e+03	9.854225e+06	609	1851551	1401	0	24	0.017
1928	1.022598e+04	1.926549e+07	944	2965058	1515	0	20	0.013
1929	1.290899e+04	2.485172e+07	1385	4300705	1733	0	18	0.010
1930	1.915279e+04	3.766189e+07	2195	6068425	2055	0	20	0.010
1931	2.537783e+04	5.504781e+07	3014	8084623	2460	0	96	0.039
1932	3.020263e+04	5.878835e+07	3441	8753507	2343	0	88	0.038
1933	4.196567e+04	8.456281e+07	4607	11158504	2773	0	140	0.050
1934	5.750279e+04	1.220780e+08	6308	16100817	3083	0	144	0.047
1935	7.813327e+04	1.839327e+08	8705	24335604	3683	0	156	0.042
1936	9.593606e+04	2.440525e+08	11185	33191748	3993	0	228	0.057
1937	1.271597e+05	3.696335e+08	14117	46761084	4556	0	172	0.038
1938	1.530089e+05	4.526247e+08	15754	51945540	4844	0	212	0.044
1939	2.277252e+05	5.804534e+08	18793	59957812	4852	0	208	0.043
1940	2.610473e+05	7.087196e+08	22137	73716651	5349	0	164	0.031
1941	3.571712e+05	1.070529e+09	31274	111361010	6200	0	234	0.038
1942	3.534220e+05	9.767361e+08	24810	81311847	6049	0	222	0.037
1943	4.408315e+05	1.245766e+09	27068	92224559	6799	0	304	0.045
1944	5.108919e+05	1.546618e+09	28342	105871921	6992	0	126	0.018
1945	5.244704e+05	1.679267e+09	27490	111797063	7547	0	122	0.016
1946	6.612216e+05	2.614758e+09	43090	214141400	8454	0	180	0.021
1947	7.115280e+05	2.641753e+09	37595	190303612	8861	0	168	0.019
1948	5.941591e+05	2.674816e+09	30591	191969470	9647	0	288	0.030
1949	6.213905e+05	2.997188e+09	31217	210190666	10374	0	326	0.031
1950	6.917044e+05	3.736867e+09	34240	261118345	11277	0	354	0.031
1951	7.395526e+05	3.861915e+09	32942	247464815	11910	0	372	0.031
1952	8.182969e+05	4.615064e+09	34811	269221309	12897	0	430	0.033
1953	9.170448e+05	5.277201e+09	37627	308181845	13503	0	370	0.027
1954	1.025711e+06	6.457532e+09	41014	365174259	15352	0	410	0.027
1955	1.306531e+06	8.230535e+09	49208	445499072	16245	0	354	0.022
1956	1.504098e+06	1.062856e+10	58959	547921283	16946	0	426	0.025
1957	1.691263e+06	1.352286e+10	69809	671421764	18217	0	446	0.024
1958	1.702052e+06	1.348913e+10	64656	603727350	18588	0	352	0.019
1959	1.697031e+06	1.439727e+10	60563	612807982	19780	0	456	0.023
1960	1.709083e+06	1.474649e+10	58623	594546261	20273	0	476	0.023

Table 9: Statistics by Issue Year (Cont.)

	Issue Year	Policies_E	Amount_E	Deaths	Death Amount	Entries	%	Smokers	%
55	1961	1751076	1.538297e+10	57699	586214300	21031	0.00	504	0.024
56	1962	1702881	1.554388e+10	53920	579446867	22373	0.00	518	0.023
57	1963	2038529	1.910301e+10	63730	658006871	24783	0.00	616	0.025
58	1964	2198526	2.177817e+10	66467	725983929	26007	0.00	719	0.028
59	1965	2227727	2.334766e+10	63337	727528098	27220	0.00	694	0.025
60	1966	2190866	2.369946e+10	60437	690630980	27597	0.00	744	0.027
61	1967	2190648	2.502584e+10	56951	676802140	29119	0.00	804	0.028
62	1968	2147799	2.603695e+10	52943	661587654	30009	0.00	749	0.025
63	1969	2131971	2.835786e+10	50803	701125316	32507	0.00	782	0.024
64	1970	2246406	3.062238e+10	52036	713822767	33721	0.00	861	0.026
65	1971	2287432	3.259764e+10	52656	736513271	36048	0.00	880	0.024
66	1972	2411462	3.568964e+10	51254	744299811	37482	0.00	911	0.024
67	1973	2387551	3.721944e+10	47440	712248054	38891	0.00	868	0.022
68	1974	2505610	4.002582e+10	49345	749139380	42855	0.00	1044	0.024
69	1975	2472200	4.222047e+10	46056	723942124	46544	0.00	2079	0.045
70	1976	2560231	4.711287e+10	45049	810582817	50301	0.00	2256	0.045
71	1977	2632682	5.397674e+10	43881	875200271	56479	0.00	2544	0.045
72	1978	2574127	5.947327e+10	40755	890617499	60130	0.00	3061	0.051
73	1979	2581800	6.454473e+10	40156	944374882	64455	0.00	3813	0.059
74	1980	2677318	7.281811e+10	42296	1060941123	75943	0.00	7011	0.092
75	1981	3113054	9.547376e+10	50529	1340094523	154787	0.01	37814	0.244
76	1982	3395729	1.208603e+11	57701	1582451176	201286	0.01	51861	0.258
77	1983	5141058	2.529284e+11	76660	2924846425	246934	0.01	63530	0.257
78	1984	6125677	3.323723e+11	84133	3763200074	281191	0.01	69839	0.248
79	1985	6615122	3.897359e+11	86770	4314006570	316190	0.01	79813	0.252
80	1986	6896937	4.323488e+11	88548	4601606701	353375	0.01	89950	0.255
81	1987	6916747	4.783771e+11	86873	4943253541	391799	0.01	101673	0.260
82	1988	7104843	5.024311e+11	81471	4429055412	401621	0.01	103883	0.259
83	1989	7002303	5.227284e+11	73166	4199180178	412081	0.01	106022	0.257
84	1990	7187182	5.705285e+11	71253	4465387682	443313	0.01	114578	0.258
85	1991	7130283	5.911656e+11	67217	4372587978	467876	0.02	121579	0.260
86	1992	7047293	6.243119e+11	60792	4298767623	503686	0.02	128072	0.254
87	1993	6948075	6.613725e+11	56692	4017254898	544378	0.02	140286	0.258
88	1994	6489099	6.688337e+11	46098	3761606355	602802	0.02	150931	0.250
89	1995	6573140	7.305409e+11	43487	3837422752	648659	0.02	162282	0.250
90	1996	6942027	9.041727e+11	40362	3949310221	752603	0.02	181073	0.241
91	1997	7240970	1.096202e+12	36444	4196878991	878401	0.03	203221	0.231
92	1998	8100168	1.430477e+12	36013	4915174808	1016718	0.03	228299	0.225
93	1999	11222756	2.635129e+12	40666	7586431717	1188027	0.04	254005	0.214
94	2000	9241923	2.077261e+12	31031	5492605498	1261239	0.04	255539	0.203
95	2001	10122667	2.551183e+12	29280	6228379867	1357273	0.04	263141	0.194
96	2002	11337406	3.312327e+12	30362	7523829857	1482483	0.05	277140	0.187
97	2003	11716759	3.796755e+12	29527	8400914589	1546676	0.05	285956	0.185
98	2004	12285273	4.204152e+12	28367	8883631772	1574376	0.05	294951	0.187
99	2005	11816730	4.333528e+12	23862	9145335693	1582911	0.05	294579	0.186
100	2006	11861977	4.597651e+12	20570	8108271773	1580177	0.05	290766	0.184
101	2007	12494269	5.121319e+12	17372	6850049503	1615884	0.05	293337	0.182
102	2008	13073920	5.393675e+12	16528	5974517398	1622094	0.05	292929	0.181
103	2009	13372423	5.298073e+12	15955	4428162386	1490214	0.05	266974	0.179
104	2010	11781018	4.657807e+12	13106	3119839653	1344075	0.04	240933	0.179
105	2011	10374638	4.121155e+12	10564	2722506037	1156772	0.04	209446	0.181
106	2012	8596976	3.372743e+12	7930	1799928387	918745	0.03	168104	0.183
107	2013	6269639	2.382399e+12	5080	1028665577	658465	0.02	120553	0.183
108	2014	3858687	1.471095e+12	2633	476123230	410078	0.01	74677	0.182
109	2015	1405578	5.300288e+11	777	123436468	145576	0.00	27024	0.186

Table 10: Summary Statistics (N=30631099)

	Policies_E	Amount_E	Deaths	Death Amount	Entries	%	Smokers	%
<b>Number of Preferred Classes</b>								
2	49006678	1.312377e+13	188312	36839787575	8189615	0.27	2908754	0.355
3	47915917	2.050027e+13	81323	36672882787	6515858	0.21	0	0.000
4	41745992	2.299975e+13	52211	21913147795	4856360	0.16	0	0.000
NA	213832267	1.447131e+13	3121473	83937218714	11069266	0.36	3175584	0.287
<b>Anticipated Term Period = Guaranteed Term Period</b>								
False	104934201	4.396987e+13	179962	46408888724	11138784	0.36	1982521	0.178
True	247566653	2.712523e+13	3263357	132954148147	19492315	0.64	4101817	0.210
<b>Post Level Term Indicator</b>								
N/A (Not Term)	228927505	2.140686e+13	3212959	126749645205	16828191	0.55	3515919	0.209
Not Level Term	2963793	7.211215e+11	10041	1015911549	584787	0.02	133744	0.229
Post Level Term	6940009	1.061131e+12	35227	3937319116	1929331	0.06	402359	0.209
Unknown Level Term	15675355	4.997250e+12	40357	5188591393	2079337	0.07	452154	0.217
Within Level Term	97994192	4.290874e+13	144735	42471569608	9209453	0.30	1580162	0.172
<b>Ultimate Indicator</b>								
Select	232573187	6.712698e+13	659093	114004217448	26236931	0.86	5235076	0.200
Ultimate	119927667	3.968125e+12	2784226	65358819423	4394168	0.14	849262	0.193