

# CLAIMS RUN-OFF PATTERNS UPDATE

presented to

General Insurance Study Group

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P H Hinton  
M A Cockcroft

## Summary

1. The run-off patterns shown in the accompanying tables all relate to claim payments for direct insurance (and facultative reinsurance) business, before allowing for reinsurance recoveries and accounted for on a one-year basis. Four sets of tables are shown for each type of business analysed; they differ only as a result of the methodology used in the analysis.

2. The tables update those presented to the General Insurance Study Group (GISG) in October 1993, by including data from the 1992 returns in their calculation. In addition we have analysed data for Professional Indemnity claims. The methodology derives from the report of the working party on claims run-off patterns presented to GISG in October 1989, and is described in some detail later (paras 32-69).

## Data

3. All the data came from Forms 33 of the returns which have to be made to the Department of Trade and Industry (DTI) by companies authorised to write business in the UK. Forms 33 (and for 3 year business Forms 35) constitute the most comprehensive set of claims run-off data available for UK companies. We are grateful to the DTI for allowing us to use this data. An example of Form 33 appears on the next page.

4. Subject to certain de minimis exceptions, the direct (and facultative reinsurance) business carried on by UK authorised insurance companies must be analysed into risk groups and for each risk group the run-off of the claims must be presented in Forms 33 (or 35). A risk group comprises risks constituting part of the business carried on in any one country within any one of the 8 non-treaty DTI accounting classes, "which, in the opinion of the directors, are not significantly dissimilar either by reference to the nature of the objects exposed to such risks or by reference to the nature of the cover against such risks given by the company".

5. The intention was that risk groups should be relatively homogeneous so that the run-off could be expected to be reasonably stable, but the definition is broad enough to permit considerable heterogeneity. Thus run-off patterns might be expected to vary considerably between different companies and within companies from year to year.

6. It should be noted that from 1981 UK "home foreign" business has been treated as written in a different country from other UK business for the purpose of risk group definition. Thus for UK business currency movements should not distort the statistics. From 1981 also, private motor has had to be distinguished from other motor business and comprehensive private motor distinguished from non-comprehensive.

## Returns under Insurance Companies Legislation

## General business: Analysis of claims by number and cost

Name of Company GUARDIAN ROYAL EXCHANGE ASSURANCE GROUP

Financial year ended 31 DECEMBER 1992

Country HONG KONG

Currency STERLING

Accounting class GENERAL LIABILITY

Risk group EMPLOYERS LIABILITY

For direct insurance and facultative reinsurance business	Company registration number			Period ended			Monetary Units			Accounting class			For official use
	F33 932111			31 12 1992			000			AB 7			
	Number of claims			Amounts of payments made in the financial year			Amounts of payments made in previous financial years relating to claims in column 4			Estimates of payments remaining to be made			
Claims attributable to year of origin ended	month			year	1	2	3	4	5	6	7	8	9
	10	12	1988										
Claims closed in the financial year	11			11	11	-	-	-	-	-	-	-	-
Claims closed at year end (other than reopened claims)	12			12	14	68	33	-	-	-	-	101	-
Reopened claims	13			13	4	6	18	-	-	-	-	24	-
Claims outstanding at year end (other than reopened claims)	14			14	38	18	1	-	-	191	-	210	-
Claims incurred but not reported (IBNR)	15			15	-	-	-	-	-	-	-	-	-
Reopened claims	16			16	1	-	-	-	-	5	-	5	-
Claims closed in previous financial year (including those reopened claims shown at lines 13 and 16)	17			17	332	-	345	-	-	-	-	345	-
Total claims attributable to the year of origin (11 to 17)	19			19	400	92	397	196	-	196	-	685	-
Line 18 expressed in sterling (£000)	29			29	-	92	-	196	-	196	-	-	-

7. All the data analysed relates to UK business. The risk groups examined are Fire, Employers Liability (EL), Professional Indemnity (PI - new this year), Comprehensive Private Motor (Comp), and Non-comprehensive Private Motor (Non-comp). Most companies did not distinguish between Comp and Non-comp for years of origin prior to 1981, and Comp/Non-comp data were supplemented by Private Motor data for these years of origin. Although the data suggests that, from the fourth year of the run-off (i.e. omitting years 0-2), the claims run-off patterns are very similar, the run-off patterns for years 0-8 have been separately analysed.

8. Most of the data came from the DTI computer database rather than directly from the returns. Full data relating to payments before 1981 were not readily available; the total payments for each year of origin was available but, for many companies, not the split by year of payment.

9. The Form 33 data are gross in that they make no allowance for reinsurance recoveries (but subrogation recoveries and salvage are treated as negative claim payments). The run-off patterns shown in the tables are therefore not immediately applicable to a net (of reinsurance) run-off. In general we would expect a net run-off to be shorter than a gross run-off, partly because reinsurance recoveries relate mainly to the larger claims which may by their nature take longer to settle, and partly because of the time taken to make reinsurance recoveries.

10. We found only 7 companies which showed PI as a separate risk group. Other companies write PI business, but do not distinguish it from other (non-employers) liability business. Of these 7, two had written only an immaterial amount of business, and one apparently only started writing PI business in 1992. A fourth showed PI business as a separate risk group for the first time in its 1992 returns (for each year of origin 81-92). That left 3

companies. Chiyoda Fire and Marine (Europe) has only written professional indemnity since 1985; we did not consider this sufficiently mature to present the resultant run-off pattern, but have used Chiyoda's data in the totals. Federation General shows no PI business for years after 1986, and its run-off pattern relates to business written in years 1981-86. Ecclesiastical has been writing PI business throughout the period 1981-92. We understand that it is a member of a PI pool so that the size of the business is larger than would appear.

### Data discrepancies and distortions

11. Comparisons for a year of origin between box 19.3 of Form 33 (payments in previous years of the run-off) and the sum of boxes 19.3 and 19.2 (payments in the year) in the previous year's returns revealed a number of discrepancies. These were investigated and the data adjusted as appropriate. (See section A5 of the 1989 report.) In cases where no explanation for the discrepancy was available the incremental payments figures (19.2) were used in preference to the cumulative payments (19.3).

12. The existence of data discrepancies should be considered before drawing conclusions about individual companies from the run-off patterns shown. The possibility of errors not signalled by data discrepancies also needs to be borne in mind.

13. The employers liability statistics include latent disease claims, both in the payments and outstanding (notified and IBNR) figures. There is normally no uniquely correct way of allocating such claims to a year of origin and thus some distortion of the statistics is inevitable.

14. Many companies discount at least part of their liability for outstanding employer liability claims, and in some cases show the discounted figure in Form 33. No allowance is made for this

feature when calculating tail factors. Thus for those companies the claims tail is somewhat longer than shown in the tables.

15. The later years of run-off for the fire risk group show negative payments, believed to be mainly subrogation recoveries from liability insurers. For the most part such recoveries would appear not to be anticipated in the estimates of outstandings (presumably the result of applying prudent accounting principles), which leads to an inconsistency. Where large risks are reinsured facultatively, the same claims amount can appear in the returns of more than one company leading to double counting in the total and possible distortions.

#### Tail factors

16. Tail factors were obtained by averaging using company estimates for the three earliest years (75-77 or, for fire and PI, 81-83). This assumes that the company estimates are correct, are not discounted (explicitly or implicitly), and make full allowance for future inflation. To the extent that these assumptions are incorrect, the tail factors are wrong.

17. The procedure adopted can give somewhat peculiar results when payments in the last two years of the run-off are compared with assumed payments thereafter. (Note this does not affect the motor tables.) This particularly affects the fire risk group because, as noted above, recoveries tend not to be anticipated in company estimates of outstandings.

#### Mean terms

18. Mean terms are presented as a simple method of indicating the length of a run-off pattern by a single figure and facilitating inter-company comparisons. Knowledge of mean terms enables the approximate impact of discounting, for instance, to be estimated

(though, given the mean term, choice of run-off pattern can sometimes materially affect the result of discounting).

19. Negative claim payments can lead to peculiar mean terms. When there are negative payments, for arithmetical reasons the value of a mean term can be very sensitive to the precise run-off pattern. This explains why for the Fire risk group and for some companies very different numbers appear in different tables at the later durations.

20. In calculating mean terms we assume that all payments were evenly spread throughout the year of payment. This is of course an oversimplification, and individual companies, whose own data is likely to be more detailed, can and do use other assumptions internally. For the specific purpose of inter company comparisons we do not consider that our assumption is likely to cause serious distortion.

21. Arbitrary assumptions were made regarding the mean terms of the tails of the run-off patterns. While curve fitting techniques could have been used, we considered that the results would have been of limited accuracy and likely to introduce spurious differences between companies.

22. The mean term of outstanding claims was assumed to be four years for employers liability at the end of the eighteenth year, two years for motor at the end of the sixteenth year, and two years for fire and PI at the end of the twelfth year. The effect of alternative assumptions on the weighted mean term of the aggregate data is shown.

23. Mean terms in the tail of the distribution are unstable and therefore we have not this year presented them for individual companies.



24. The weighted mean term is shown as a particular indicator of the overall mean term of a company's claims liabilities. The weights used were the proportions outstanding based on the run-off pattern, rather than the amounts outstanding at each duration. While the latter weighting is more usual, it reflects changes in the size of the account and its use would allow such changes to distort inter-company comparisons.

25. For the PI risk group like the Fire risk group (see para 29 below), the CI method is unstable in the tail. This distorts the calculated mean terms and we have therefore not presented them for individual companies.

#### Estimation of run-off patterns

26. The problem of estimating run-off patterns from a set of run-off data mostly arises in the context of the estimation of outstanding claims or the validation of an outstanding claims provision. Most statistical methods of estimating outstanding claims generate, implicitly or explicitly, a run-off pattern which is then assumed to apply for the purpose of estimation.

27. We have used four estimation methods. Three are familiar in the context of outstanding claims estimation/verification: basic chain ladder (BCL), inflation adjusted chain ladder (IACL) and an average claim method (AVC). The fourth, company incurred (CI), is an ad hoc method based, inter alia, on the assumption that, at all durations, a company's outstanding claims estimate is correct and undiscounted: readers are reminded that, despite the title, the run-off pattern shown is of claims payments.

28. The negative payments in the tail of the Fire risk group, together with the fact that estimates of outstandings are generally positive, makes the CI method unstable in the tail. The run-off patterns for the CI method for Fire therefore do not show individual years of run-off for durations 7 and over (except for the

aggregate). Mean terms would not be comparable with those calculated using the other methods. Therefore, except in the aggregate, they have not been calculated in this case.

### Inflation

29. The index of average earnings (Department of Employment index, all employees, June value) was used in the inflation adjusted chain ladder and average claim methods for EL, PI and motor. For the Fire risk group, the construction output index of producer prices, published in the CSO Monthly Digest of Statistics, was used. It was thought unreasonable to keep to our previous assumption of 8% future inflation and the run-off patterns shown for the IACL and AVC methods are calculated using inflation of 6%. in line with our working assumption about future inflation.

30. For the IACL and AVC methods it was necessary to make an assumption about the assumptions made by companies for future inflation when setting claims reserves for their 1992 Returns. This is no longer a material assumption and for convenience we have made an assumption of 6% which is consistent with the run-off patterns presented. We believe this to be a not unreasonable assumption.

### Other Matters

31. Municipal Mutual and Municipal General went into run-off during 1992. Payments in 1992 are likely to have been disturbed as a result of the circumstances, and accordingly it has been decided to delete them from the statistics. 1992 totals have been recalculated omitting the MMI/MGI fire data to provide a basis for comparison.

### **Calculation of run-off patterns**

#### **Fire and PI: Basic Chain ladder (BCL)**

32. The data are payments in each year 1981-92 and the company's outstanding claims estimates as at 31.12.92, for each year of origin (i.e. year of occurrence of claim) 1981-92.

33. Cumulative payments were calculated and from these the standard chain ladder ratios  $r(0), \dots, r(10)$  were formed (i.e. the link ratios were averaged, using the cumulative payments as weights). The tail factor  $r(u)$  was calculated as the arithmetic average of the following three ratios for the years of origin shown:

- (1981) total claims (paid + outstanding) / paid claims;
- (1982) total claims / paid claims /  $r(10)$ ;
- (1983) total claims / paid claims /  $r(10) \cdot r(9)$ .

34. The ratios  $r(0), \dots, r(10), r(u)$  then define the run-off pattern.

#### **Fire and PI: Inflation Adjusted Chain Ladder (IACL)**

35. The data were the same and the method similar except that the payments were adjusted to 1992 values by multiplying by the ratio of (construction output) index values for 1992 to that for the year of payment, before calculating cumulatives.

36. The calculation of the tail factor  $r(u)$  was more complex and took the company's estimate to be an undiscounted money estimate. In the expressions below:

- PAID is cumulative paid at 1992 values;
- $r(9)$  and  $r(10)$  are as for BCL but calculated using indexed payments;
- $R(10) = 1.06(r(10) - 1)$ ;
- $R(9) = 1.06^2(r(10) - 1)r(9) + 1.06(r(9) - 1)$ ;
- $F = 1.06^{2.5}$ .

F adjusts 1992 outstandings at the end of 1992 to mid 1992 values - as payment is assumed to be on average 2 years after end 1992.  $r(u)$  was estimated as 1 + the arithmetic average of the following three ratios:

(1981) outstandings / PAID / F;

(1982) {outstandings - PAID.R(10)} / PAID.r(10) / 1.06F;

(1983). {outstandings - PAID.R(9)} / PAID.r(9)r(10)/1.06<sup>2</sup>F.

37. The ratios  $r(0), \dots, r(u)$  then define the indexed run-off pattern. As the patterns quoted were to be those appropriate to an 6% inflation assumption, the following payment ratios were used:

$1, 1.06(r(0)-1), \dots, 1.06^{11}r(0) \dots r(9)(r(10)-1), 1.06^{13.5}r(0) \dots r(10)(r(u)-1)$ .

#### Fire and PI: Average Claim Method (AVC)

38. The data include also number,  $N = N(Y)$ , of claims as estimated at the end of each year of origin, Y. Average payments per claim in 1992 values were calculated at each duration for each year of origin as claim payments in the year at 1992 values (calculated as in para 35) divided by N.

39. The arithmetic averages,  $A(0), \dots, A(11)$ , of these quantities defined the indexed run-off pattern to 1992 values.  $A(u)$  was then defined as the arithmetic average of:

(1981) outstandings / N / F

(1982) {outstandings - 1.06A(11).N} / N / 1.06F;

(1983) {outstandings - 1.06A(10).N - 1.06<sup>2</sup>A(11).N} / N / 1.06<sup>2</sup>F.

40. The patterns quoted are those appropriate to 6% inflation, and so use payment ratios of :

$A(0), 1.06A(1), \dots, 1.06^{11}A(11), 1.06^{13.5}A(u)$ .

### Fire and PI: Company Incurred Method (CI)

41. The data were precisely those specified in para 32. For each year of origin the payments in each year of run-off were expressed as a proportion of the total incurred claims (i.e. total payments to end 1992 plus outstandings).

42. This triangle of ratios  $r(Y,n)$  ( $Y$  is year of origin,  $n$  is year of run-off,  $Y+n < 1993$ ) was extended to complete the square  $n < 12$ , working from left to right, using the formulae

$$r(Y,n) = o(Y,n-1) \cdot f(n) \text{ and } o(Y,n) = o(Y,n-1) - r(Y,n).$$

In these formulae,  $o(Y,n-1)$  is the proportion assumed outstanding for year of origin  $Y$  at the start of year  $n$  of the run-off; i.e.

$$o(Y,n-1) = 1 - r(Y,0) - \dots - r(Y,n-1).$$

$f(n)$  is the sum (over  $Y$ ) of the given  $r(Y,n)$  divided by the sum of the corresponding  $o(Y,n-1)$ .

43. Then the run-off pattern consists of the arithmetic averages (over  $Y$ ) of  $r(Y,0), \dots, r(Y,11)$ ,  $o(Y,11)$ .

### Employers Liability (BCL)

44. The data were payments in each year 1981-92 and the company's outstanding claims estimates as at 31.12.92, for each year of origin 1975-92; and cumulative payments to the end of 1980 for the years of origin 1975-80.

45. The calculations were as described in para 33 except that care was needed in calculation of the  $r(i)$  owing to the missing cumulative payments. The tail factor was calculated by averaging over the 3 years 1975-77, using  $r(15)$  and  $r(16)$  in place of  $r(9)$  and  $r(10)$ .

### Employers Liability (IACL)

46. The data were as in para 44. Paras 36 and 37 largely indicate how the calculations in para 45 were modified, but the earnings index (June value) was used in place of the construction output index. In the calculation of  $r(u)$ ,  $F=1.06^{4.5}$ .

47. For the purpose of indexing cumulative payments to the end of 1980, the IACL was used in reverse. The following indicates the procedure. Payments for the 1979 year of origin were assumed to be split between 1979 and 1980 in the ratio

$$I(79) : I(80).(r(0)-1)$$

where  $I$  denotes the relevant index value and  $r(0)$  was derived from years of origin 1980-86. This enabled the 1979 data to be used in the calculation of  $r(1)$ ,  $r(2)$ , etc. Similar, but more complex, formulae were used for earlier years of origin.

### Employers Liability (AVC)

48. The number of claims as estimated at the end of the year of origin was not part of our data for years of origin 1975-80. The data included the number of claims as estimated at the end of each year 1981-92. The number of claims as at the end of the year of origin could then be estimated for these years using chain ladder techniques in reverse (cf para 47).

49. The calculations were as in paras 38-40 (with obvious modifications) averaging indexed payments per claim for payments in 1981-92 for each year of run-off (1980-92 for run-off year 0).

### Employers Liability (CI)

50. As in para 41 the ratios  $r(Y,n)$  were calculated. Initially  $r(Y,n)$  was only available for  $1980 < Y+n < 1993$  and  $(1980,0)$ . Also, of

course,  $o(1992-n,n)$  and  $c(1980-n,n)$  were available, where  $o(Y,n)$  is as in para 42 and  $c(Y,n)$  is the (assumed) proportion of payments for year  $Y$  paid by the end of run-off year  $n$ ; ie  $c(Y,n)=r(Y,0)+..+r(Y,n)$ .

51. The  $r(Y,n)$  for  $Y+n>1992$  were calculated as in para 42. For  $Y+n<1981$  they were calculated, working from right to left, using the formulae  $r(Y,n)=c(Y,n).g(n)$  and  $c(Y,n-1)=c(Y,n)-r(Y,n)$ .  $g(n)$  is the sum (over  $Y$ ) of the given  $r(Y,n)$  divided by the sum of the corresponding  $c(Y,n)$ .  $r(Y,0)$  is of course  $c(Y,0)$ .

#### Motor (5 companies)

52. For five companies separate Comp and Non-comp data was available for the years 1975-80. For these companies the methods described in paras 44-51 were used, except that in the IACL and AVC methods payments in the extreme tail were assumed to be subject to 2 years additional inflation and not 4. Proportions paid in years 16, 17 and later were aggregated after concluding the calculations. Mean terms at the start of year 16 were then taken to be 2 years for consistency with other companies.

#### Motor (BCL) -other companies

53. The data include payments in each year 1981-92 for each year of origin 1981-92, for Comp and Non-comp separately. For Private Motor the data are as described in para 44. The Private Motor data for years of origin 1981-92 were obtained by adding the data for Comp and Non-comp.

54. Chain ladder ratios  $r(0),..,r(7)$  were calculated separately for Comp and Non-comp as described in para 33.

55. To extend the run-off pattern to the right, ratios were derived from Private Motor data relating to payments after year 5.

56. The chain ladder factors derived from this table may be called  $q(6)$ ,  $q(7)$ , (neither used),  $q(8)$ ,... . As  $q(15)$  and  $q(16)$  were not used,  $q(u)$  was taken as 1 + the arithmetic average of:

(1981) (outstandings + paid in 91-92)/(paid in 81-90)

(1982) (outstandings + paid in 1992)/(paid in 82-91)

(1983) outstandings/(paid in 83-92)

57. The  $q(8)$ ,..., $q(14)$ , $q(u)$  derived from the Private Motor data were used together with  $r(0)$ ,..., $r(7)$  for Comp or Non-comp to derive the payment pattern. So, except for the five companies referred to in para 48, the tail of the derived pattern has the same shape for Comp and Non-comp.

#### Motor (IACL)

58. The data were as in para 53. Payments were adjusted to 1992 values as described in paras 35 and 47, using the earnings index.

59.  $q(8)$ ,...,  $q(14)$  were derived much as described in paras 55 and 56, and formulae similar to those in para 56 were used to define  $q(u)$ . The differences were that the paid amounts were indexed to 1992 values and the outstanding amounts divided by  $F=1.06^{2.5}$ .

60. The indexed run-off pattern defined by  $r(0)$ ,...,  $r(7)$ ,  $q(8)$ ,...,  $q(14)$ ,  $q(u)$  was converted to one appropriate to 6% inflation in the way described in para 37. Again, except for five companies, this forces the tail to have the same shape for Comp and Non-comp.

#### Motor (AVC)

61. The data included also the number of claims as estimated at the end of the year of origin separately for Comp and Non-comp.  $A(0)$ ,  $A(1)$ , ...,  $A(8)$  were estimated as described in paras 38 and 39, using the earnings index.



62. The run-off patterns were completed using the ratios  $q(8), \dots, q(u)$  obtained for the IACL (para 55) and the patterns quoted were those appropriate to 6% inflation. So, except for five companies, the shape of the derived tail is the same as for the IACL.

#### Motor (CI)

63. The data included the outstandings as at the end of 1992 for years of origin 1981-92, for Comp and Non-comp separately; and for years 1975-80, for Private Car.

64. For Comp and Non-comp separately,  $r(Y,n)$  and  $o(Y,n)$  were calculated as described in para 42 for  $n < 9$  ( $1980 < Y < 1993$ ). The Private Car data (including Comp and Non-comp for years of origin 1981-92) was analysed as described in para 42 so as to compute the  $f(n)$  appropriate to Private Car. The  $f(n)$  so computed were used in place of the  $f(n)$  computed from Comp or Non-comp data to calculate (separately for Comp and Non-comp)  $r(Y,n)$  and  $o(Y,n)$  for  $n > 8$ .

65. Then the run-off pattern consists of the averages (over  $1980 < Y < 1993$ ) of  $r(Y,0)$ , ...,  $r(Y,15)$ ,  $o(Y,15)$ . The shape of the derived tail differs slightly for Comp and Non-comp because some of the  $r(Y,n)$  with  $n > 8$  depend only on the Comp/Non-comp data and not on the  $f(n)$ .

#### Mean term

66. Mean terms were calculated from the run-off patterns assuming, in each case, that on average payments in a year were at mid-year and that the payments after the last year shown separately were 2 years (4 years for EL) after the end of that year. The mean terms shown in the tables were calculated at the beginning of each year of the run-off.

### Weighted mean terms

67. For Fire and PI these are weighted averages of the derived mean terms of claims outstanding at the start of years 1,2,...,12 of the run-off. The weights are the proportions outstanding at these durations according to the derived run-off pattern. Thus the weighted mean terms are unaffected by changes over time in the amount of claims payments. They are intended as a one parameter index for comparison of the overall length of the run-off of claims incurred between companies, and are not appropriate for use within a company where it would be appropriate to weight by the estimated amounts outstanding.

68. For EL these are weighted averages of mean terms as at the start of years 1,...,18. For motor as at the start of years 1,..16.

### Alternative assumptions for mean terms

69. For the IACL and AVC methods appropriate changes were made to the formulae to allow for these. In particular F was altered. For the BCL and CI methods these assumptions had no effect on the run-off patterns shown, though obviously the assumption about the mean term of the tail affected all the mean terms quoted.

*Per D. H. H.*

P H Hinton

*M A Cockroft*

M A Cockroft

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## **Index to Tables**

### **RUN-OFF PATTERNS & MEAN TERMS**

In the following tables "size" is the total of the claims payments included in the analyses, excluding payments relating to years of origin 1975-80 for the motor risk groups.

1. Fire	IACL	Run-off patterns
2.		Mean terms
3.	BCL	Run-off patterns
4.		Mean terms
5.	AV CLAIM	Run-off patterns
6.		Mean terms
7.	CO INC	Run-off patterns
8.		Mean terms (aggregate data)
9.	ALL	Mean terms (agg data: dur > 7)
10. EL	IACL	Run-off patterns
11.		Mean terms
12.	BCL	Run-off patterns
13.		Mean terms
14.	AV CLAIM	Run-off patterns
15.		Mean terms
16.	CO INC	Run-off patterns
17.		Mean terms
18.	ALL	Mean terms (agg data: dur > 9)
19. PI	IACL	Run-off patterns
20.		Mean terms

21. PI	BCL	Run-off patterns
22.		Mean terms
23.	AV CLAIM	Run-off patterns
24.		Mean terms
25.	CO INC	Run-off patterns
26.		Mean terms (aggregate data)
27.	ALL	Mean terms (agg data: dur > 7)
28. COMP	IACL	Run-off patterns
29.		Mean terms
30.	BCL	Run-off patterns
31.		Mean terms
32.	AV CLAIM	Run-off patterns
33.		Mean terms
34.	CO INC	Run-off patterns
35.		Mean terms
36.	ALL	Mean terms (agg data: dur > 9)
37. NON-COMP	IACL	Run-off patterns
38.		Mean terms
39.	BCL	Run-off patterns
40.		Mean terms
41.	AV CLAIM	Run-off patterns
42.		Mean terms
43.	CO INC	Run-off patterns
44.		Mean terms
45.	ALL	Mean terms (agg data: dur > 9)

### WEIGHTED MEAN TERMS

46. FIRE

47. EL

48. PI

49. COMP

50. NON-COMP

Risk Group :		FIRE		Method : Inflation Adjusted Chain Ladder									
Future Inflation :		6%		RUN-OFF PATTERN PER MILLE									
Name		Size	0	1	2	3	4	5	6	7+			
Avon		77,784	499	355	84	27	17	6	7	4			
Britannic		5,440	562	346	63	11	7	11	0	-1			
Commercial Union		1,227,364	469	365	109	37	13	4	1	1			
Co-operative		35,603	522	331	105	24	6	6	3	3			
Cornhill		89,517	498	367	79	20	13	4	2	16			
Eagle Star		1,802,070	524	340	77	30	14	6	4	5			
Ecclesiastical		247,237	251	498	142	52	8	5	3	40			
Economic		44,824	521	299	105	34	13	6	3	19			
General Accident		796,263	476	389	83	32	12	5	3	0			
Guardian		1,489,057	512	354	83	29	6	7	3	5			
Iron Trades Mutual		42,485	527	402	59	11	0	2	0	-1			
Legal & General		176,377	434	425	143	33	12	1	1	-50			
Minster		25,234	452	397	119	48	10	-15	6	-17			
Nat. Farmers Union Mutual		214,734	641	339	23	0	1	-4	0	1			
Norwich Union		353,970	423	424	121	23	11	4	-5	-3			
Provincial		140,784	511	382	60	27	5	-1	1	15			
Prudential		280,030	500	383	76	27	7	6	2	-1			
Refuge		35,963	728	216	33	14	4	4	2	-2			
Royal		674,283	477	421	92	18	0	-1	0	-6			
Sun Alliance & London		2,767,974	496	342	96	40	12	6	2	5			
Wesleyan & General		34,451	651	269	43	16	5	2	2	11			
TOTAL		10,611,444	493	364	91	32	10	5	2	3			
TOTAL at 8% inflation		11,948,870	486	365	93	34	11	5	2	4			
TOTAL of 1991 data		10,156,137	480	364	97	33	13	7	3	4			
TOTAL of 1991 data excluding MMI/MGI		9,214,759	495	369	89	27	10	5	2	3			

TABLE 1.1

Risk Group :		FIRE		Method : Inflation Adjusted Chain Ladder							
Future Inflation :		6%		RUN-OFF PATTERN PER MILLE							
Name		7	8	9	10	11	12+				
Avon		-1	3	0	0	0	2				
Britannic		-1	0	0	0	0	0				
Commercial Union		2	-1	-1	1	0	1				
Co-operative		0	0	1	4	0	-1				
Cornhill		28	0	-11	-2	0	1				
Eagle Star		1	2	-2	1	0	2				
Ecclesiastical		-1	3	2	1	2	34				
Economic		6	0	0	0	0	12				
General Accident		-1	0	-1	0	0	2				
Guardian		1	1	2	0	0	1				
Iron Trades Mutual		-1	0	0	0	0	0				
Legal & General		-17	-35	2	-21	0	22				
Minster		-15	-2	0	0	-1	1				
Nat. Farmers Union Mutual		0	0	0	0	0	0				
Norwich Union		-3	2	-2	0	2	-1				
Provincial		6	7	2	-1	0	1				
Prudential		-7	1	3	0	0	1				
Refuge		-1	0	0	0	0	0				
Royal		-6	0	0	0	0	0				
Sun Alliance & London		1	2	0	0	0	2				
Wesleyan & General		1	8	1	3	0	-1				
TOTAL		0	1	0	0	0	2				
TOTAL at 8% inflation		0	1	0	0	0	2				
TOTAL of 1991 data		0	0	-1	0	3	(11+)				
TOTAL of 1991 data excluding MMI/MGI		-1	0	-1	0	3	(11+)				

TABLE 1.2

Risk Group : FIRE

Future Inflation : 6%

Method : Inflation Adjusted Chain Ladder

MEAN TERMS

Name	0	1	2	3	4	5	6	7
Avon	1.29	1.07	1.48	1.81	1.88	2.22	2.11	3.69
Britannic	1.08	0.83	1.09	1.43	1.03	0.37	1.42	0.50
Commercial Union	1.29	0.99	1.05	1.11	1.26	1.83	3.81	4.13
Co-operative	1.21	0.99	1.09	1.56	1.99	1.70	1.78	1.85
Cornhill	1.26	1.02	1.43	1.75	1.48	1.09	0.22	-0.83
Eagle Star	1.25	1.07	1.48	1.75	2.05	2.45	2.85	3.55
Ecclesiastical	2.03	1.55	2.63	4.40	7.02	7.05	6.87	6.35
Economic	1.42	1.43	1.97	3.00	4.09	4.79	4.97	4.77
General Accident	1.25	0.93	1.17	1.25	1.47	2.04	4.53	-20.19
Guardian	1.23	1.00	1.33	1.73	2.38	2.17	2.56	2.84
Iron Trades Mutual	1.06	0.68	0.70	0.71	1.52	0.27	0.26	-0.63
Legal & General	1.07	0.51	-0.45	82.34	3.32	1.58	0.55	-0.45
Minster	1.16	0.71	0.24	-1.70	4.10	1.66	2.22	0.60
Nat. Farmers Union Mutual	0.87	0.53	0.11	1.90	0.74	-0.30	34.92	5.86
Norwich Union	1.25	0.81	0.65	0.25	-1.49	4.84	1.26	1.44
Provincial	1.22	0.98	1.69	2.19	3.43	3.39	2.27	1.42
Prudential	1.19	0.89	1.16	1.40	2.19	2.98	15.35	-13.64
Refuge	0.86	0.83	1.10	0.99	0.83	0.14	-3.07	0.77
Royal	1.11	0.66	0.32	-2.34	3.34	2.46	1.79	0.81
Sun Alliance & London	1.30	1.08	1.32	1.51	2.10	2.55	3.25	3.56
Wesleyan & General	1.04	1.05	1.90	2.53	3.15	2.93	2.30	1.67
TOTAL	1.26	0.99	1.24	1.53	2.17	2.86	4.16	5.64
TOTAL at 8% inflation	1.28	1.02	1.28	1.60	2.27	2.98	4.26	5.65
TOTAL of 1991 data	1.31	1.05	1.33	1.68	2.11	2.63	3.73	5.87
TOTAL of 1991 data excluding MMJ/MGI	1.25	0.98	1.28	1.72	2.34	3.13	4.67	7.15

TABLE 2



Risk Group : FIRE Method : Basic Chain Ladder

Name	Size	RUN-OFF PATTERN PER MILLE									
		0	1	2	3	4	5	6	7	7+	
Avon	77,784	516	344	81	26	16	6	7	4		
Britannic	5,440	571	338	61	13	7	11	0	-1		
Commercial Union	1,227,364	480	357	107	37	13	5	1	1		
Co-operative	85,603	520	328	110	24	6	6	3	3		
Cornhill	89,517	506	359	79	20	13	5	2	17		
Eagle Star	1,802,070	535	333	75	30	13	6	4	4		
Ecclesiastical	247,237	255	499	144	52	8	5	3	35		
Economic	44,824	541	287	101	32	13	6	3	16		
General Accident	796,263	486	380	82	32	12	5	3	-1		
Guardian	1,489,057	522	348	81	28	6	7	3	5		
Iron Trades Mutual	42,485	517	407	64	11	-1	2	0	-1		
Legal & General	176,377	444	418	141	33	12	1	1	-51		
Minster	25,234	470	383	114	49	11	-17	7	-16		
Nat. Farmers Union Mutual	214,734	648	332	23	0	1	-4	0	0		
Norwich Union	353,970	429	419	121	23	11	5	-4	-3		
Provincial	140,784	520	375	57	26	6	-1	1	14		
Prudential	280,030	512	373	74	28	7	6	2	-1		
Refuge	35,963	732	209	35	15	4	4	2	-1		
Royal	674,283	482	416	91	18	0	-1	0	-6		
Sun Alliance & London	2,767,974	506	335	95	40	12	6	2	4		
Wesleyan & General	34,451	657	264	43	17	4	3	2	11		
TOTAL	10,611,444	502	357	90	32	10	5	2	3		
TOTAL of 1991 data	10,156,137	491	356	97	32	12	7	3	3		
TOTAL of 1991 data excluding MMI/MGI	9,214,759	506	360	89	27	10	5	2	2		

TABLE 3.1

Risk Group : FIRE

Method : Basic Chain Ladder

Name	RUN-OFF PATTERN PER MILLE										
	7	8	9	10	11	12+					
Avon	-1	3	0	0	0	1					
Britannic	-1	0	0	0	0	0					
Commercial Union	1	-1	-1	1	0	1					
Co-operative	0	0	1	3	0	-1					
Cornhill	28	0	-10	-2	0	1					
Eagle Star	1	2	-2	1	0	1					
Ecclesiastical	-1	2	2	1	1	29					
Economic	6	0	0	0	0	10					
General Accident	-1	0	-1	0	0	2					
Guardian	1	1	1	0	0	1					
Iron Trades Mutual	-1	0	0	0	0	0					
Legal & General	-17	-36	1	-18	0	18					
Minster	-14	-2	0	0	-1	0					
Nat. Farmers Union Mutual	0	0	0	0	0	0					
Norwich Union	-3	2	-2	0	1	-1					
Provincial	6	7	2	-1	0	0					
Prudential	-7	1	3	0	0	1					
Refuge	-1	0	0	0	0	0					
Royal	-6	0	0	0	0	0					
Sun Alliance & London	1	2	0	0	0	1					
Wesleyan & General	1	7	1	3	0	-1					
TOTAL	0	1	0	0	0	2					
TOTAL of 1991 data	0	0	-1	0	3	(11+)					
TOTAL of 1991 data excluding MMI/MGI	0	0	-1	0	3	(11+)					

TABLE 3.2

Risk Group : FIRE Method : Basic Chain Ladder

Name	MEAN TERMS							
	0	1	2	3	4	5	6	7
Avon	1.26	1.07	1.46	1.78	1.81	2.12	1.95	3.54
Britannic	1.07	0.84	1.11	1.37	1.01	0.37	1.50	0.50
Commercial Union	1.27	0.99	1.05	1.07	1.16	1.51	3.46	4.25
Co-operative	1.22	0.99	1.06	1.51	1.86	1.60	1.67	1.89
Cornhill	1.26	1.04	1.47	1.84	1.59	1.17	0.34	-0.69
Eagle Star	1.22	1.05	1.45	1.68	1.94	2.27	2.60	3.37
Ecclesiastical	1.97	1.47	2.42	4.10	6.72	6.82	6.71	6.29
Economic	1.37	1.40	1.89	2.87	3.85	4.54	4.76	4.64
General Accident	1.24	0.93	1.16	1.20	1.36	1.75	3.83	-10.92
Guardian	1.21	0.99	1.32	1.68	2.28	2.04	2.43	2.74
Iron Trades Mutual	1.07	0.69	0.69	0.67	1.90	0.20	0.54	-0.48
Legal & General	1.04	0.47	-0.62	42.48	3.62	1.84	0.81	-0.20
Minster	1.14	0.71	0.26	-1.54	3.99	1.53	2.42	0.61
Nat. Farmers Union Mutual	0.86	0.53	0.06	2.04	0.93	-0.14	69.85	6.33
Norwich Union	1.25	0.81	0.66	0.28	-1.27	5.29	1.29	1.39
Provincial	1.21	0.98	1.70	2.16	3.20	3.35	2.19	1.35
Prudential	1.18	0.89	1.14	1.31	1.99	2.64	17.24	-9.40
Refuge	0.86	0.86	1.12	1.03	0.94	0.30	-1.51	0.78
Royal	1.10	0.66	0.34	-2.02	3.43	2.46	1.75	0.76
Sun Alliance & London	1.28	1.08	1.29	1.45	1.98	2.38	3.02	3.39
Wesleyan & General	1.03	1.05	1.87	2.46	3.05	2.76	2.25	1.64
TOTAL	1.24	0.99	1.22	1.46	2.01	2.60	3.84	5.65
TOTAL of 1991 data	1.28	1.04	1.28	1.60	1.99	2.42	3.49	5.89
TOTAL of 1991 data excluding MMI/MGI	1.23	0.97	1.22	1.63	2.18	2.87	4.40	7.30

TABLE 4

Risk Group :		FIRE		RUN-OFF PATTERN PER MILLE										Method : Average Claim	
Future Inflation :		6%		0	1	2	3	4	5	6	7+				
Name		Size													
Avon		77,784	496	363	80	26	16	7	7	5					
Britannic		5,440	572	345	60	9	5	9	0	-1					
Commercial Union		1,227,364	471	368	106	38	13	3	0	1					
Co-operative		85,603	518	327	114	25	5	6	3	3					
Cornhill		89,517	512	366	75	18	11	3	2	12					
Eagle Star		1,802,070	530	344	72	29	13	6	3	4					
Ecclesiastical		247,237	269	500	132	54	7	4	2	31					
Economic		44,824	538	323	82	28	10	5	3	12					
General Accident		796,263	478	392	80	32	12	5	3	0					
Guardian		1,489,057	525	354	77	27	5	6	2	4					
Iron Trades Mutual		42,485	444	448	87	18	3	1	0	-1					
Legal & General		176,377	435	427	125	29	11	1	1	-27					
Minster		25,234	461	400	116	52	11	-21	6	-25					
Nat. Farmers Union Mutual		214,734	635	347	21	1	1	-4	-1	0					
Norwich Union		353,970	438	422	111	22	10	4	-3	-3					
Provincial		140,784	515	384	58	26	3	-1	1	14					
Prudential		280,030	513	380	69	26	6	5	2	-1					
Refuge		35,963	724	214	39	15	4	3	2	-1					
Royal		674,283	499	405	86	17	0	-1	0	-4					
Sun Alliance & London		2,767,974	486	349	96	44	12	6	2	4					
Wesleyan & General		34,451	657	269	43	16	4	1	2	7					
TOTAL		10,611,444	497	366	87	32	10	4	2	3					
TOTAL at 8% inflation		10,611,444	490	368	89	34	10	5	2	3					
TOTAL of 1991 data		10,156,137	478	368	97	32	12	6	3	3					
TOTAL of 1991 data excluding MMI/MGI		9,214,759	494	372	89	27	10	5	2	3			TABLE 5.1		

TABLE 5.1

Risk Group :		FIRE		Method : Average Claim						
Future Inflation :		6%		RUN-OFF PATTERN PER MILLE						
Name		7	8	9	10	11	12+			
Avon		-1	4	0	-1	0	3			
Britannic		-1	0	0	0	0	0			
Commercial Union		1	0	-1	1	0	1			
Co-operative		0	0	0	3	0	-1			
Cornhill		21	0	-8	-2	0	1			
Eagle Star		1	2	-2	1	0	1			
Ecclesiastical		0	2	1	0	1	26			
Economic		5	0	0	0	0	7			
General Accident		-1	0	-1	0	0	2			
Guardian		1	0	1	0	0	1			
Iron Trades Mutual		-1	0	0	0	0	0			
Legal & General		-10	-19	1	-12	0	12			
Minster		-22	-3	0	0	-1	0			
Nat. Farmers Union Mutual		0	0	0	0	0	0			
Norwich Union		-3	1	-2	0	1	-1			
Provincial		4	7	2	-1	0	1			
Prudential		-6	1	3	0	0	1			
Refuge		-1	0	0	0	0	0			
Royal		-4	0	0	0	0	0			
Sun Alliance & London		1	1	0	0	0	1			
Wesleyan & General		1	5	1	2	0	-1			
TOTAL		0	1	0	0	0	2			
TOTAL at 8% inflation		0	1	0	0	0	2			
TOTAL of 1991 data		0	0	-1	0	3	(11+)			
TOTAL of 1991 data excluding MMI/MGI		0	0	-1	0	3	(11+)			

TABLE 5.2

Risk Group :		FIRE		MEAN TERMS							Method : Average Claim	
Future Inflation :		6%										
Name		0	1	2	3	4	5	6	7			
Avon		1.30	1.08	1.58	1.98	2.09	2.43	2.53	4.40			
Britannic		1.05	0.80	1.02	1.43	1.05	0.38	1.46	0.50			
Commercial Union		1.28	0.96	1.02	1.02	1.18	2.10	4.30	4.29			
Co-operative		1.22	0.99	1.03	1.47	1.92	1.60	1.74	1.81			
Corrhill		1.21	0.96	1.33	1.67	1.43	1.06	0.20	-0.86			
Eagle Star		1.21	1.02	1.42	1.63	1.91	2.35	2.81	3.61			
Ecclesiastical		1.89	1.40	2.35	3.84	6.83	7.04	6.86	6.34			
Economic		1.28	1.19	1.77	2.59	3.58	4.12	4.35	4.16			
General Accident		1.24	0.92	1.17	1.23	1.48	2.16	4.82	-24.50			
Guardian		1.19	0.95	1.28	1.63	2.31	2.11	2.59	2.89			
Iron Trades Mutual		1.19	0.74	0.72	0.63	0.43	-0.95	0.47	-0.52			
Legal & General		1.15	0.65	0.12	-4.30	4.03	1.53	0.50	-0.50			
Minster		1.09	0.59	-0.15	-4.45	3.45	1.64	1.97	0.59			
Nat. Farmers Union Mutual		0.87	0.52	-0.06	2.67	1.15	0.08	-7.49	8.49			
Norwich Union		1.22	0.79	0.66	0.26	-1.49	5.66	1.44	1.51			
Provincial		1.20	0.95	1.66	2.22	3.80	3.62	2.40	1.53			
Prudential		1.16	0.86	1.12	1.26	1.95	2.70	21.10	-9.31			
Refuge		0.87	0.84	1.03	0.95	0.79	0.15	-3.70	0.72			
Royal		1.09	0.67	0.40	-1.39	3.47	2.32	1.81	0.83			
Sun Alliance & London		1.31	1.07	1.27	1.36	1.97	2.45	3.19	3.51			
Wesleyan & General		1.00	0.96	1.60	2.11	2.87	2.87	2.23	1.64			
TOTAL		1.24	0.97	1.21	1.43	2.09	2.86	4.20	5.65			
TOTAL at 8% inflation		1.26	0.99	1.25	1.49	2.18	2.97	4.30	5.67			
TOTAL of 1991 data		1.30	1.03	1.29	1.64	2.08	2.66	3.75	5.74			
TOTAL of 1991 data excluding MMI/MGI		1.24	0.96	1.23	1.67	2.31	3.17	4.71	6.91	TABLE 6		

TABLE 6

Risk Group : FIRE Method : Company Incurred

Name	Size	RUN-OFF PATTERN PER MILLE									
		0	1	2	3	4	5	6	7+		
Avon	77,784	475	362	81	27	19	8	7	20		
Britannic	5,440	567	339	62	9	13	8	0	3		
Commercial Union	1,227,364	451	364	110	39	19	7	1	8		
Co-operative	85,603	516	332	99	24	6	7	7	9		
Cornhill	89,517	496	363	77	18	14	5	2	25		
Eagle Star	1,802,070	515	342	73	31	17	7	5	10		
Ecclesiastical	247,237	289	501	122	52	9	5	3	21		
Economic	44,824	517	340	76	29	14	8	3	12		
General Accident	796,263	465	386	83	34	15	7	4	6		
Guardian	1,489,057	514	354	78	28	7	9	4	7		
Iron Trades Mutual	42,485	452	401	86	20	-7	18	3	27		
Legal & General	176,377	429	414	124	39	3	0	0	-8		
Minster	25,234	445	389	114	50	-8	15	-3	-3		
Nat. Farmers Union Mutual	214,734	645	332	22	-8	0	10	-10	8		
Norwich Union	353,670	422	417	111	26	16	13	-6	2		
Provincial	140,784	494	380	62	32	7	-2	2	25		
Prudential	280,030	504	380	73	27	7	6	3	0		
Refuge	35,963	702	225	42	12	5	5	3	5		
Royal	674,283	468	413	90	22	2	1	0	3		
Sun Alliance & London	2,767,974	472	341	98	44	19	11	4	11		
Wesleyan & General	34,451	646	272	44	18	6	3	3	8		
TOTAL	10,611,444	481	363	89	34	14	8	4	8		
TOTAL of 1991 data	10,156,137	470	362	94	37	16	8	5	9		
TOTAL of 1991 data excluding MMI/MGI	9,214,759	483	366	86	32	13	7	4	9		

TABLE 7.1

Risk Group :	FIRE	Method : Company Incurred					
		RUN-OFF PATTERN PER MILLE					
Name	7	8	9	10	11	12+	
TOTAL	0	1	-1	1	2	5	
TOTAL of 1991 data	0	1	-8	3	10	(11+)	
TOTAL of 1991 data excluding MMI/MGI	-1	1	-11	5	14	(11+)	

TABLE 7.2



Risk Group :	FIRE	Method : Company Incurred						
		MEAN TERMS						
Name	0	1	2	3	4	5	6	7
TOTAL	1.35	1.15	1.66	2.19	2.92	3.67	4.75	5.60
TOTAL of 1991 data	1.41	1.21	1.75	2.33	3.12	4.06	5.31	6.85
TOTAL of 1991 data excluding MMI/MGI	1.38	1.20	1.89	2.75	4.00	5.50	7.26	9.04

TABLE 8

Risk Group : FIRE Method : Basic Chain Ladder

Name	8	9	10	11	12+
TOTAL	4.66	4.93	3.49	2.71	2.00
TOTAL of 1991 data	5.07	4.45	2.74	2.00	(11+)
TOTAL of 1991 data excluding MMI/MGI	5.18	4.68	2.73	2.00	(11+)

Risk Group : FIRE Method : Inflation Adjusted Chain Ladder

Name	8	9	10	11	12+
TOTAL	4.63	4.79	3.49	2.69	2.00
TOTAL at 8% inflation	4.64	4.78	3.48	2.68	2.00
TOTAL of 1991 data	4.98	4.39	2.71	2.00	(11+)
TOTAL of 1991 data excluding MMI/MGI	5.08	4.61	2.70	2.00	(11+)

Risk Group : FIRE Method : Average Claim

Name	8	9	10	11	12+
TOTAL	4.72	4.95	3.44	2.68	2.00
TOTAL at 8% inflation	4.73	4.93	3.43	2.67	2.00
TOTAL of 1991 data	4.98	4.57	2.71	2.00	(11+)
TOTAL of 1991 data excluding MMI/MGI	5.06	4.79	2.70	2.00	(11+)

Risk Group : FIRE Method : Company Incurred

Name	8	9	10	11	12+
TOTAL	4.60	4.51	2.91	2.30	2.00
TOTAL of 1991 data	6.20	5.84	2.44	2.00	(11+)
TOTAL of 1991 data excluding MMI/MGI	7.23	7.15	2.39	2.00	(11+)

TABLE 9



Risk Group :		EMPLOYERS LIABILITY					Method : Inflation Adjusted Chain Ladder									
Future Inflation :		6%					RUN-OFF PATTERN PER MILLE									
Name		9	10	11	12	13	14	15	16	17	18+					
Avon		60	14	0	2	0	0	0	0	0	0					
Commercial Union		9	5	2	1	0	0	0	0	0	0					
Co-operative		13	6	4	4	6	7	6	0	0	29					
Cornhill		15	15	8	5	6	4	3	3	0	16					
Eagle Star		18	11	11	11	10	10	12	14	15	90					
General Accident		11	10	5	5	2	15	3	6	6	43					
Guardian		16	8	4	4	3	3	4	1	4	10					
Iron Trades Mutual		12	5	150	4	3	2	0	3	0	-1					
Iron Trades Employer		19	15	12	8	5	4	-1	1	1	-1					
Legal & General		20	10	7	-1	4	6	10	6	3	36					
Norwich Union		15	8	3	4	5	5	4	8	7	66					
Orion		18	1	2	1	4	0	0	0	0	0					
Pearl		18	9	2	1	4	3	0	1	0	4					
Provincial		17	7	7	1	9	0	2	1	1	4					
Prudential		10	17	3	1	4	1	1	1	8	5					
Royal		15	9	9	7	8	29	7	14	18	168					
Sun Alliance & London		14	8	6	5	3	4	3	8	8	108					
Wesleyan & General		0	0	0	0	0	0	0	0	0	54					
TOTAL		16	11	11	7	6	7	5	7	7	49					
TOTAL at 8% inflation		17	12	12	8	7	8	6	8	9	61					
TOTAL of 1991 data		18	12	10	8	7	9	7	9	34	(17+)					

TABLE 10.2

Risk Group :		EMPLOYERS LIABILITY					MEAN TERMS					Method : Inflation Adjusted Chain Ladder				
Future Inflation :		6%														
Name		0	1	2	3	4	5	6	7	8	9					
Avon		4.66	3.76	3.12	2.63	2.36	2.13	2.30	1.89	1.19	0.77					
Commercial Union		3.65	2.80	2.32	2.02	1.80	1.66	1.59	1.48	1.58	1.43					
Co-operative		4.77	3.93	3.47	3.27	3.27	3.54	4.14	5.29	6.50	6.98					
Cornhill		4.53	3.62	3.11	2.98	3.16	3.38	3.62	4.09	4.23	4.80					
Eagle Star		6.52	5.62	5.45	5.71	6.22	6.84	7.52	8.01	8.30	8.29					
General Accident		5.04	4.16	3.84	3.93	4.26	4.94	5.80	6.74	7.52	7.70					
Guardian		4.16	3.32	3.00	2.86	2.82	2.96	3.28	3.63	4.13	4.66					
Iron Trades Mutual		5.49	4.55	4.16	3.94	3.77	3.63	3.44	3.09	2.68	2.45					
Iron Trades Employer		3.93	3.15	2.87	2.70	2.64	2.61	2.60	2.53	2.35	2.15					
Legal & General		5.22	4.29	3.77	3.67	3.78	4.13	4.62	5.50	6.07	6.81					
Norwich Union		5.74	4.83	4.38	4.34	4.71	5.31	6.07	7.15	8.11	8.74					
Orion		4.35	3.40	2.80	2.50	2.25	2.04	1.78	1.28	1.11	1.39					
Pearl		4.28	3.34	2.70	2.38	2.14	2.28	2.61	2.51	2.56	3.05					
Provincial		4.15	3.23	2.68	2.45	2.45	2.43	2.63	2.75	3.15	3.20					
Prudential		4.26	3.43	2.89	2.62	2.57	2.58	2.70	3.21	3.57	4.20					
Royal		7.95	7.16	7.14	7.53	8.22	9.05	9.75	10.12	10.12	9.69					
Sun Alliance & London		6.49	5.58	5.22	5.32	5.75	6.52	7.51	8.46	9.38	9.78					
Wesleyan & General		4.93	4.04	3.45	2.78	2.34	6.57	5.82	15.00	14.00	13.00					
TOTAL		5.30	4.44	4.18	4.26	4.58	5.12	5.83	6.50	7.07	7.39					
TOTAL at 8% inflation		5.68	4.83	4.57	4.66	5.01	5.56	6.26	6.89	7.38	7.62					
TOTAL of 1891 data		5.00	4.14	3.82	3.81	4.00	4.36	4.85	5.33	5.74	5.97					

TABLE 11

Risk Group : EMPLOYERS LIABILITY

Method : Basic Chain Ladder

Name	Size	RUN-OFF PATTERN PER MILLE									
		0	1	2	3	4	5	6	7	8	9+
Avon	9,034	21	80	131	175	168	153	56	34	80	102
Commercial Union	188,490	36	158	203	189	153	112	65	46	16	22
Co-operative	25,288	30	113	161	167	153	118	92	49	21	97
Cornhill	43,743	18	114	192	194	137	91	78	41	34	101
Eagle Star	694,349	13	112	147	135	108	87	61	42	29	265
General Accident	181,627	24	133	183	164	135	96	63	40	20	144
Guardian	355,552	37	168	184	162	136	101	65	44	28	75
Iron Trades Mutual	84,260	10	110	131	123	113	92	65	56	65	236
Iron Trades Employer	392,273	57	177	177	155	122	93	64	41	32	81
Legal & General	38,040	12	95	171	165	140	113	85	45	42	133
Norwich Union	86,585	14	93	149	167	136	102	85	50	30	173
Onion	10,174	12	115	196	179	155	116	58	76	62	32
Pearl	9,504	13	102	190	186	203	123	55	41	34	52
Provincial	31,200	17	121	195	209	145	115	64	52	22	61
Prudential	63,968	37	118	180	187	144	112	86	42	28	66
Royal	96,003	22	98	122	119	102	74	49	33	18	364
Sun Alliance & London	219,799	12	91	145	146	132	101	70	52	29	222
Westeyan & General	306	18	71	69	161	493	7	103	0	0	77
TOTAL	2,530,195	25	130	165	153	126	96	65	44	29	168
TOTAL of 1991 data	2,152,414	28	142	177	160	129	96	65	44	29	130

TABLE 12.1

Risk Group : EMPLOYERS LIABILITY

Name	RUN-OFF PATTERN PER MILLE										17	18+
	9	10	11	12	13	14	15	16				
Avon	78	20	0	4	0	0	0	0	0	0	0	0
Commercial Union	11	7	2	1	0	0	0	0	0	0	0	0
Co-operative	16	6	4	5	8	9	9	1	0	39	0	39
Cornhill	19	19	11	7	8	5	5	4	0	22	0	22
Eagle Star	20	13	13	14	12	13	16	20	22	123	0	123
General Accident	12	10	7	6	3	21	5	9	10	60	0	60
Guardian	20	9	6	6	4	5	6	2	6	13	0	13
Iron Trades Mutual	12	5	204	6	4	2	0	4	0	-1	0	-1
Iron Trades Employer	23	19	15	10	7	5	-1	2	2	-1	0	-1
Legal & General	25	13	8	0	5	7	13	8	4	50	0	50
Norwich Union	18	9	5	5	6	7	6	12	11	93	0	93
Orion	23	1	2	1	5	0	0	0	0	0	0	0
Pearl	22	11	3	1	5	3	0	1	0	6	0	6
Provincial	20	9	9	1	12	1	3	1	2	5	0	5
Prudential	13	20	3	1	5	1	1	2	13	6	0	6
Royal	16	11	11	9	7	36	10	19	26	219	0	219
Sun Alliance & London	16	9	7	6	4	5	4	11	12	147	0	147
Wesleyan & General	0	0	0	0	0	0	0	0	0	77	0	77
TOTAL	19	13	14	9	7	10	7	10	11	70	0	70
TOTAL of 1991 data	19	13	11	9	9	10	8	11	39	(17+)	0	(17+)

TABLE 12.2

Risk Group :	EMPLOYERS LIABILITY										Method : Basic Chain Ladder									
											MEAN TERMS									
	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
Name	4.97	4.08	3.38	2.87	2.57	2.39	2.45	1.96	1.23	0.81										
Avon	3.87	2.99	2.48	2.14	1.90	1.72	1.62	1.48	1.65	1.50										
Commercial Union	5.22	4.36	3.87	3.65	3.65	3.93	4.50	5.70	6.87	7.24										
Co-operative	4.98	4.06	3.53	3.39	3.55	3.76	3.93	4.44	4.64	5.03										
Cornhill	7.59	6.69	6.48	6.69	7.10	7.59	8.14	8.51	8.66	8.57										
Eagle Star																				
General Accident	5.70	4.83	4.51	4.62	4.97	5.63	6.48	7.34	8.01	8.06										
Guardian	4.50	3.65	3.31	3.16	3.12	3.26	3.57	3.93	4.41	4.87										
Iron Trades Mutual	6.05	5.10	4.68	4.41	4.17	3.98	3.73	3.32	2.85	2.49										
Iron Trades Employer	4.24	3.47	3.16	2.96	2.84	2.77	2.73	2.66	2.44	2.20										
Legal & General	5.78	4.85	4.31	4.21	4.31	4.58	5.10	5.87	6.24	7.06										
Norwich Union	6.57	5.66	5.20	5.14	5.49	6.03	6.71	7.79	8.59	8.99										
Orion	4.43	3.48	2.87	2.55	2.29	2.10	1.93	1.40	1.13	1.36										
Pearl	4.47	3.52	2.87	2.52	2.26	2.42	2.72	2.67	2.71	3.15										
Provincial	4.44	3.51	2.93	2.64	2.62	2.59	2.80	2.89	3.41	3.44										
Prudential	4.55	3.71	3.16	2.88	2.81	2.81	2.98	3.57	3.94	4.38										
Royal	9.33	8.53	8.42	8.69	9.21	9.87	10.35	10.51	10.38	9.87										
Sun Alliance & London	7.49	6.58	6.19	6.29	6.68	7.40	8.28	9.08	9.84	10.05										
Wesleyan & General	5.48	4.57	3.88	3.16	2.79	7.81	7.11	15.00	14.00	13.00										
TOTAL	6.05	5.19	4.91	4.98	5.28	5.78	6.44	7.05	7.51	7.70										
TOTAL of 1991 data	5.29	4.43	4.10	4.07	4.24	4.56	5.03	5.49	5.87	6.06										

TABLE 13



Risk Group :		EMPLOYERS LIABILITY										Method : Average Claim				
Future Inflation :		6%										RUN-OFF PATTERN PER MILLE				
Name	Size	0	1	2	3	4	5	6	7	8	9+					
Avon	9,034	24	105	151	191	147	182	57	26	54	63					
Commercial Union	188,490	42	155	203	190	154	111	63	42	17	23					
Co-operative	25,288	32	125	174	169	150	122	86	41	17	84					
Comhill	43,743	22	141	218	201	131	88	64	34	29	72					
Eagle Star	694,349	17	130	166	148	114	87	59	42	28	209					
General Accident	181,627	27	156	211	182	142	88	55	34	18	85					
Guardian	355,552	42	193	206	169	133	93	56	37	23	49					
Iron Trades Mutual	84,260	13	112	147	131	113	96	75	60	77	175					
Iron Trades Employer	392,273	55	192	186	160	122	88	60	38	30	67					
Legal & General	38,040	15	114	191	174	147	109	79	41	34	97					
Norwich Union	86,585	17	116	176	183	139	100	72	45	27	124					
Orion	10,174	14	121	190	158	122	86	58	188	51	13					
Pearl	9,504	16	127	211	196	198	112	44	34	25	37					
Provincial	31,200	17	137	213	209	142	111	58	46	21	47					
Prudential	63,968	46	141	202	197	139	95	73	37	27	43					
Royal	96,003	26	124	145	136	108	76	48	30	16	291					
Sun Alliance & London	219,799	18	128	185	173	139	101	65	45	22	124					
Wesleyan & General	306	21	126	128	173	448	9	66	0	0	29					
TOTAL	2,530,195	26	138	172	156	125	92	62	42	27	159					
TOTAL at 8% inflation	2,530,195	24	128	162	150	122	92	63	43	29	188					
TOTAL of 1991 data	2,152,414	28	150	185	166	131	94	63	42	28	113					

TABLE 14.1

Risk Group :		EMPLOYERS LIABILITY										Method : Average Claim					
Future Inflation :		6%										RUN-OFF PATTERN PER MILLE					
Name		9	10	11	12	13	14	15	16	17	18+						
Avon		51	11	0	1	0	0	0	0	0	0						
Commercial Union		12	7	2	1	0	0	0	0	0	0						
Co-operative		11	6	5	5	7	7	7	1	0	36						
Cornhill		17	15	8	6	6	3	3	2	0	12						
Eagle Star		19	12	11	12	10	10	12	15	16	92						
General Accident		11	9	5	4	2	11	2	5	5	31						
Guardian		15	7	4	4	2	2	2	1	3	8						
Iron Trades Mutual		17	6	138	5	3	3	0	5	0	-2						
Iron Trades Employer		21	16	12	8	5	4	-1	1	2	-1						
Legal & General		21	10	7	-1	4	6	10	5	2	32						
Norwich Union		15	9	4	4	5	5	4	8	7	65						
Orion		10	0	1	1	1	0	0	0	0	0						
Pearl		15	8	2	1	4	2	0	1	0	4						
Provincial		16	7	6	1	9	0	2	1	1	4						
Prudential		9	14	3	1	3	0	0	1	6	5						
Royal		15	9	9	7	6	29	8	16	19	173						
Sun Alliance & London		11	7	4	4	2	3	2	6	6	78						
Wesleyan & General		0	0	0	0	0	0	0	0	0	29						
TOTAL		18	12	12	8	7	9	7	10	11	67						
TOTAL at 8% inflation		19	13	13	9	8	11	8	12	14	81						
TOTAL of 1991 data		18	12	10	8	7	8	7	9	33	(17+)						

TABLE 14.2

Risk Group :		EMPLOYERS LIABILITY										Method : Average Claim									
Future Inflation :		6%										MEAN TERMS									
Name		0	1	2	3	4	5	6	7	8	9										
Avon		4.32	3.61	2.99	2.51	2.24	1.91	2.19	1.86	1.16	0.72										
Commercial Union		3.84	2.98	2.46	2.13	1.88	1.71	1.64	1.52	1.61	1.43										
Co-operative		4.97	4.12	3.66	3.49	3.50	3.78	4.54	5.99	7.20	7.51										
Cornhill		4.41	3.50	3.00	2.89	3.04	3.20	3.39	3.78	3.88	4.25										
Eagle Star		6.67	5.78	5.58	5.80	6.25	6.80	7.41	7.87	8.18	8.22										
General Accident		4.88	3.80	3.43	3.45	3.73	4.36	5.14	5.99	6.82	7.16										
Guardian		4.01	3.16	2.84	2.70	2.65	2.77	3.06	3.39	3.88	4.44										
Iron Trades Mutual		5.63	4.70	4.23	3.99	3.76	3.52	3.27	2.94	2.53	2.42										
Iron Trades Employer		4.05	3.26	2.97	2.78	2.68	2.62	2.57	2.50	2.30	2.09										
Legal & General		5.14	4.21	3.69	3.59	3.65	3.94	4.44	5.24	5.73	6.55										
Norwich Union		5.67	4.76	4.33	4.31	4.69	5.26	6.03	7.08	8.06	8.68										
Orion		4.58	3.64	3.08	2.81	2.51	2.13	1.59	0.84	0.85	1.25										
Pearl		4.13	3.18	2.58	2.26	2.03	2.23	2.60	2.58	2.70	3.16										
Provincial		4.20	3.27	2.71	2.46	2.42	2.38	2.59	2.65	3.10	3.25										
Prudential		4.12	3.29	2.78	2.53	2.49	2.50	2.57	3.00	3.33	4.09										
Royal		8.07	7.27	7.26	7.64	8.36	9.20	9.91	10.25	10.21	9.76										
Sun Alliance & London		5.71	4.80	4.45	4.54	4.95	5.69	6.73	7.84	9.10	9.65										
Wesleyan & General		4.26	3.34	2.76	2.16	1.68	5.78	5.27	15.00	14.00	13.00										
TOTAL		5.89	5.03	4.78	4.89	5.24	5.79	6.47	7.10	7.58	7.79										
TOTAL at 8% inflation		6.36	5.50	5.25	5.37	5.74	6.28	6.92	7.48	7.89	8.01										
TOTAL of 1991 data		5.03	4.16	3.83	3.80	3.96	4.29	4.75	5.23	5.65	5.91										

TABLE 15

Risk Group :	EMPLOYERS LIABILITY		RUN-OFF PATTERN PER MILLE										Method : Company Incurred	
	Name	Size	0	1	2	3	4	5	6	7	8	9+		
	Avon	9,034	25	113	161	167	129	157	80	38	55	74		
	Commercial Union	188,490	40	154	192	182	152	112	68	47	20	32		
	Co-operative	25,288	29	118	156	157	147	122	89	58	28	98		
	Cornhill	43,743	17	114	174	171	115	90	63	32	41	183		
	Eagle Star	694,349	17	132	170	154	121	93	63	44	30	176		
	General Accident	181,627	23	135	188	170	146	104	68	42	24	99		
	Guardian	355,552	37	172	188	161	137	103	65	44	30	63		
	Iron Trades Mutual	84,260	14	117	145	127	106	87	68	52	63	221		
	Iron Trades Employer	392,273	56	186	185	157	122	92	62	43	33	80		
	Legal & General	38,040	14	102	176	167	150	113	93	49	36	100		
	Norwich Union	86,585	16	104	166	178	138	100	74	48	31	144		
	Orion	10,174	14	123	188	168	139	101	88	93	49	37		
	Pearl	9,504	13	89	182	188	183	128	62	49	38	89		
	Provincial	31,200	16	125	188	182	130	111	60	52	26	110		
	Prudential	63,968	41	125	182	190	145	101	83	44	37	52		
	Royal	96,003	22	108	128	121	98	78	53	35	19	338		
	Sun Alliance & London	219,799	14	98	148	150	129	101	70	48	28	214		
	Wesleyan & General	306	56	192	163	115	299	31	118	0	0	27		
	TOTAL	2,530,195	25	138	171	158	129	97	65	45	29	143		
	TOTAL of 1991 data	2,152,414	27	144	177	161	130	96	66	45	30	124		

TABLE 16.1

Risk Group :	EMPLOYERS LIABILITY										Method : Company Incurred						
	RUN-OFF PATTERN PER MILLE										15	16	17	18+			
Name	9	10	11	12	13	14	15	16	17	18+							
Avon	48	9	0	10	1	1	1	1	1	1				1			
Commercial Union	16	9	3	1	0	0	0	0	1	1				1			
Co-operative	19	9	7	7	8	8	6	1	0	33				33			
Cornhill	20	18	8	5	5	20	17	19	0	71				71			
Eagle Star	20	13	11	12	9	9	9	10	10	73				73			
General Accident	15	13	6	5	2	12	3	5	4	34				34			
Guardian	19	10	6	6	3	3	2	2	5	6				6			
Iron Trades Mutual	16	6	152	19	13	7	0	8	0	0				0			
Iron Trades Employer	22	16	11	9	8	6	-3	5	4	1				1			
Legal & General	24	14	9	-1	5	6	8	4	1	29				29			
Norwich Union	15	9	4	4	5	6	5	9	8	79				79			
Orion	15	1	4	4	13	0	0	0	0	0				0			
Pearl	22	25	6	3	15	8	0	3	4	4				4			
Provincial	14	5	5	1	8	5	15	12	7	36				36			
Prudential	12	20	4	1	4	0	0	1	6	4				4			
Royal	18	11	11	9	8	31	8	18	25	200				200			
Sun Alliance & London	15	9	6	7	4	5	4	10	11	143				143			
Wesleyan & General	0	0	0	0	0	0	0	0	13	13				13			
TOTAL	19	12	12	8	7	8	6	7	7	56				56			
TOTAL of 1991 data	20	13	11	9	8	9	7	9	38	(17+)				(17+)			

TABLE 16.2

Risk Group : EMPLOYERS LIABILITY Method : Company Incurred

Name	0	1	2	3	4	5	6	7	8	9
Avon	4.68	3.78	3.22	2.84	2.58	2.24	2.35	2.24	1.75	1.67
Commercial Union	3.98	3.13	2.63	2.30	2.05	1.90	1.83	1.74	1.87	1.74
Co-operative	5.19	4.34	3.86	3.62	3.53	3.66	4.09	4.85	5.78	6.28
Cornhill	6.25	5.35	4.99	5.12	5.63	6.07	6.64	7.15	7.10	7.58
Eagle Star	6.16	5.26	5.00	5.12	5.47	5.95	6.58	7.10	7.53	7.72
General Accident	5.03	4.14	3.72	3.65	3.76	4.18	4.82	5.60	6.36	6.76
Guardian	4.31	3.46	3.10	2.91	2.78	2.80	2.98	3.15	3.42	3.84
Iron Trades Mutual	5.92	4.99	4.60	4.42	4.26	4.07	3.84	3.51	3.06	2.79
Iron Trades Employer	4.04	3.25	2.92	2.71	2.54	2.39	2.24	2.02	1.69	1.30
Legal & General	5.24	4.30	3.74	3.55	3.49	3.64	3.91	4.62	5.12	5.79
Norwich Union	6.07	5.16	4.71	4.69	5.08	5.68	6.43	7.40	8.30	8.95
Orion	4.54	3.60	3.04	2.75	2.50	2.25	1.91	1.60	1.78	2.48
Pearl	4.89	3.94	3.28	2.99	2.75	2.88	3.16	3.08	3.09	3.20
Provincial	5.31	4.39	3.96	3.93	4.20	4.54	5.35	5.90	6.98	7.48
Prudential	4.37	3.54	2.99	2.69	2.58	2.54	2.49	2.73	2.84	3.48
Royal	8.89	8.07	8.01	8.31	8.83	9.38	9.94	10.22	10.19	9.73
Sun Alliance & London	7.32	6.42	6.08	6.19	6.64	7.36	8.28	9.15	9.85	10.08
Wesleyan & General	3.93	3.14	2.81	2.45	1.92	3.35	2.97	12.75	11.75	10.75
TOTAL	5.65	4.78	4.49	4.51	4.76	5.21	5.83	6.43	6.97	7.31
TOTAL of 1991 data	5.23	4.36	4.03	3.99	4.13	4.44	4.86	5.30	5.72	5.97

TABLE 17

Risk Group : EMPLOYERS LIABILITY Method : Basic Chain Ladder

Name	MEAN TERMS							
	10	11	12	13	14	15	16	17 18+
TOTAL	7.61	7.27	7.02	6.53	5.96	5.49	4.88	4.40 4.00
TOTAL of 1991 data	6.03	5.79	5.48	5.09	4.66	4.39	4.02	4.00 (17+)

Risk Group : EMPLOYERS LIABILITY Method : Inflation Adjusted Chain Ladder

Name	MEAN TERMS							
	10	11	12	13	14	15	16	17 18+
TOTAL	7.40	7.14	6.94	6.50	5.96	5.53	4.93	4.44 4.00
TOTAL at 8% inflation	7.36	7.26	7.00	6.54	5.98	5.53	4.92	4.43 4.00
TOTAL of 1991 data	5.98	5.78	5.49	5.12	4.71	4.45	4.06	4.00 (17+)

Risk Group : EMPLOYERS LIABILITY Method : Average Claim

Name	MEAN TERMS							
	10	11	12	13	14	15	16	17 18+
TOTAL	7.70	7.35	7.02	6.51	5.92	5.45	4.83	4.37 4.00
TOTAL at 8% inflation	7.85	7.46	7.08	6.55	5.94	5.45	4.82	4.36 4.00
TOTAL of 1991 data	5.95	5.76	5.47	5.10	4.69	4.41	4.02	4.00 (17+)

Risk Group : EMPLOYERS LIABILITY Method : Company Incurred

Name	MEAN TERMS							
	10	11	12	13	14	15	16	17 18+
TOTAL	7.34	7.11	6.93	6.52	5.99	5.59	4.99	4.48 4.00
TOTAL of 1991 data	5.99	5.81	5.55	5.21	4.81	4.56	4.15	4.00 (17+)

TABLE 18

Risk Group :		PROFESSIONAL INDEMNITY				Method : Inflation Adjusted Chain Ladder							
Future Inflation :		8%	RUN-OFF PATTERN PER MILLE										
Name	Size	0	1	2	3	4	5	6	7+				
Ecclesiastical	716	54	188	69	65	137	83	150	252				
Federation	6,468	30	145	86	121	163	162	137	157				
TOTAL	10,933	24	112	106	154	157	149	131	168				

TABLE 19.1

TABLE 19.1

Risk Group :		PROFESSIONAL INDEMNITY					Method : Inflation Adjusted Chain Ladder				
Future Inflation :		6%					RUN-OFF PATTERN PER MILLE				
Name	Size	7	8	9	10	11	12+				
Ecclesiastical	87	102	4	20	0	40					
Federation	115	41	-15	5	0	11					
TOTAL	112	48	-12	7	0	12					

TABLE 19.2

Risk Group :		PROFESSIONAL INDEMNITY					Method : Inflation Adjusted Chain Ladder						
Future Inflation :		6%					MEAN TERMS						
Name	Size	0	1	2	3	4	5	6	7				
Ecclesiastical	5.08	4.35	4.30	3.68	3.02	2.73	2.19	2.20					
Federation	4.65	3.78	3.36	2.69	2.12	1.70	1.36	1.10					
TOTAL	4.74	3.84	3.28	2.67	2.22	1.82	1.48	1.25					

TABLE 20

TABLE 20



Risk Group :	PROFESSIONAL INDEMNITY										Method : Basic Chain Ladder			
	Name	Size	RUN-OFF PATTERN PER MILLE										6	7+
			0	1	2	3	4	5	6	7	8	9		
	Ecclesiastical Federation	716 6,468	44	139	57	57	142	89	152	320				
			28	130	83	118	163	166	147	168				
TOTAL		10,933	20	93	104	155	155	151	139	183				

TABLE 21.1

Risk Group :	PROFESSIONAL INDEMNITY										Method : Basic Chain Ladder			
	Name	Size	RUN-OFF PATTERN PER MILLE										12+	15
			7	8	9	10	11	12	13	14	15	16		
	Ecclesiastical Federation	115 120	121	5	26	0	53							
			45	-16	5	0	12							
TOTAL		119	55	-14	8	0	15							

TABLE 21.2

Risk Group :	PROFESSIONAL INDEMNITY										Method : Basic Chain Ladder			
	Name	Size	MEAN TERMS										6	7
			0	1	2	3	4	5	6	7	8	9		
	Ecclesiastical Federation	5.64 4.78	4.88	4.63	3.93	3.21	2.90	2.35	2.23					
			3.90	3.43	2.75	2.16	1.72	1.37	1.15					
TOTAL		4.90	3.99	3.36	2.74	2.29	1.88	1.53	1.30					

TABLE 22

Risk Group : Future Inflation :	PROFESSIONAL INDEMNITY										Method : Average Claim	
	6%											
	Size	0	1	2	3	4	5	6	7+			
Name												
Ecclesiastical	716	32	103	85	40	365	84	143	148			
Federation	6,468	25	163	84	123	159	157	129	160			
TOTAL	10,933	28	148	176	231	140	111	75	91	TABLE 23.1		

TABLE 23.1

Risk Group : Future Inflation :	PROFESSIONAL INDEMNITY							Method : Average Claim	
	6%								
	Name	7	8	9	10	11	12+		
Ecclesiastical	58	66	2	11	0	11			
Federation	122	40	-13	4	0	8			
TOTAL	62	26	-7	4	0	5			

TABLE 23.2

TABLE 23.2

Risk Group : Future Inflation :	PROFESSIONAL INDEMNITY								Method : Average Claim	
	6%									
	MEAN TERMS									
Name	0	1	2	3	4	5	6	7		
Ecclesiastical	4.85	3.99	3.40	2.72	1.84	2.15	1.62	1.70		
Federation	4.59	3.70	3.34	2.67	2.10	1.68	1.32	0.98		
TOTAL	3.95	3.05	2.51	2.06	1.93	1.65	1.41	1.16		

TABLE 24

TABLE 24

Risk Group :	PROFESSIONAL INDEMNITY										Method : Company Incurred
	RUN-OFF PATTERN PER MILLE										
	Name	Size	0	1	2	3	4	5	6	7+	
Ecclesiastical Federation		716	41	154	154	50	173	111	310	7	
		6,468	21	142	82	124	163	171	153	313	
TOTAL		10,933	20	118	103	158	152	137	115	197	

TABLE 25.1

TABLE 25.1

Risk Group :	PROFESSIONAL INDEMNITY										Method : Company Incurred
	Name	RUN-OFF PATTERN PER MILLE									
		7	8	9	10	11	12*				
Ecclesiastical Federation	-118	58	2	37	0	28					
	196	61	543	-109	0	-377					
TOTAL	109	45	-66	37	0	72					

TABLE 25.2

Risk Group :	PROFESSIONAL INDEMNITY										Method : Company Incurred
	Name	MEAN TERMS							TOTAL		
		0	1	2	3	4	5	6		7	
		5.15	4.25	3.76	3.20	2.92	2.74	2.72	3.01		

TABLE 26

Risk Group :		PROFESSIONAL INDEMNITY		Method : Inflation Adjusted Chain Ladder	
Future Inflation :		6%		MEAN TERMS	
Name		8	9	10	11
TOTAL		1.75	8.96	2.67	3.00
		12+	2.00		

Risk Group :		PROFESSIONAL INDEMNITY		Method : Basic Chain Ladder	
				MEAN TERMS	
Name		8	9	10	11
TOTAL		1.81	8.70	2.73	3.00
		12+	2.00		

Risk Group :		PROFESSIONAL INDEMNITY		Method : Average Claim	
Future Inflation :		6%		MEAN TERMS	
Name		8	9	10	11
TOTAL		1.59	10.40	2.51	3.00
		12+	2.00		

Risk Group :		PROFESSIONAL INDEMNITY		Method : Company Incurred	
				MEAN TERMS	
Name		8	9	10	11
TOTAL		5.12	8.88	2.81	3.00
		12+	2.00		

TABLE 27

Risk Group : MOTOR - COMPREHENSIVE

Future Inflation : 6%

Name	Size	RUN-OFF PATTERN PER MILLE										Method : Inflation Adjusted Chain Ladder				
		0	1	2	3	4	5	6	7	8	9+					
Avon	115,730	641	229	36	29	22	22	10	3	7	0					
Britannic	27,367	625	216	37	31	24	14	18	13	20	3					
Co-operative	741,339	621	209	34	32	27	18	19	19	13	8					
Commercial Union	616,156	655	224	37	28	23	15	10	6	2	0					
Comhill	541,463	628	224	44	35	21	21	12	8	6	2					
Eagle Star *	921,493	632	235	39	31	22	16	9	6	4	5					
General Accident	1,433,823	633	231	35	30	22	18	16	9	5	1					
Guardian	1,165,986	629	240	42	33	23	17	9	5	2	0					
Iron Trades Mutual *	294,186	642	223	32	28	19	17	9	10	6	14					
Legal & General	165,890	590	244	35	29	25	27	15	26	6	3					
London & Edinburgh	262,007	605	233	47	43	20	19	23	6	3	1					
Nat. Farmers Union Mutual	294,955	610	216	38	36	29	26	26	12	6	1					
Nat. Insurance & G'tee	421,751	627	240	37	29	25	18	13	9	3	0					
Norman *	69,204	643	222	42	39	26	13	6	3	5	1					
Norwich Union *	1,243,928	603	255	38	33	26	15	12	7	4	6					
Pearl	102,202	581	252	49	43	38	25	8	1	3	0					
Provincial	390,646	626	233	37	32	22	16	14	10	9	1					
Prudential	510,608	636	225	37	28	21	19	14	12	7	2					
Royal *	988,871	627	228	40	31	24	15	13	8	6	8					
Sun Alliance & London	1,214,477	633	231	38	31	20	17	14	10	6	0					
Wesleyan & General	15,971	580	199	36	35	39	43	59	8	0	0					
TOTAL	8,020,381	630	230	38	32	23	18	14	9	5	1					
TOTAL at 8% inflation	8,020,381	620	230	39	33	24	20	16	10	6	2					
TOTAL of 1991 data	10,095,171	617	240	39	32	24	19	14	11	2	2					

\* For these companies separate non-comp data available.

TABLE 28.1

Risk Group :		MOTOR - COMPREHENSIVE										Method : Inflation Adjusted Chain Ladder				
Future Inflation :		6%		RUN-OFF PATTERN PER MILLE												
Name		9	10	11	12	13	14	15	16+							
Avon		0	0	0	0	0	0	0	0							
Britannic		1	1	1	0	0	0	0	0							
Co-operative		3	1	1	1	1	0	1	0							
Commercial Union		0	0	0	0	0	0	0	0							
Cornhill		0	1	0	0	0	0	0	0							
Eagle Star *		2	2	1	0	0	0	0	0							
General Accident		1	0	0	0	0	0	0	0							
Guardian		0	0	0	0	0	0	0	0							
Iron Trades Mutual *		5	4	2	3	0	0	0	0							
Legal & General		1	1	0	0	0	0	0	0							
London & Edinburgh		0	0	0	0	0	0	0	0							
Nat. Farmers Union Mutual		1	0	0	0	0	0	0	0							
Nat. Insurance & Gtee		0	0	0	0	0	0	0	0							
Norman *		1	0	0	0	0	0	0	0							
Norwich Union *		1	3	1	0	0	0	0	0							
Pearl		0	0	0	0	0	0	0	0							
Provincial		0	1	0	0	0	0	0	0							
Prudential		1	1	0	0	0	0	0	0							
Royal *		6	1	0	0	0	0	0	0							
Sun Alliance & London		0	0	0	0	0	0	0	0							
Wesleyan & General		0	0	0	0	0	0	0	0							
TOTAL		0	0	0	0	0	0	0	0							
TOTAL at 8% inflation		1	0	0	0	0	0	0	0							
TOTAL of 1991 data		1	1	0	0	0	0	0	0							(15+)

\* For these companies separate non-comp data available.

TABLE 28.2

Risk Group : MOTOR - COMPREHENSIVE

Future Inflation :		MEAN TERMS										Method : Inflation Adjusted Chain Ladder	
6%		0	1	2	3	4	5	6	7	8	9		
Name													
Avon		1.22	1.51	2.32	2.03	1.73	1.39	1.36	1.20	0.54	0.69		
Britannic		1.43	1.99	3.01	2.76	2.54	2.25	1.71	1.31	0.75	1.28		
Co-operative		1.51	2.16	3.20	2.88	2.61	2.34	1.90	1.58	1.56	2.32		
Commercial Union		1.17	1.44	2.19	1.94	1.65	1.42	1.19	1.09	1.64	5.37		
Cornhill		1.30	1.65	2.39	2.18	2.02	1.68	1.58	1.44	1.34	2.89		
Eagle Star *		1.25	1.55	2.40	2.20	2.06	1.92	1.89	1.76	1.60	1.45		
General Accident		1.28	1.62	2.53	2.24	1.97	1.63	1.29	1.17	1.14	2.12		
Guardian		1.21	1.41	2.09	1.82	1.59	1.31	1.15	0.89	0.69	1.39		
Iron Trades Mutual *		1.35	1.87	3.12	2.94	2.83	2.61	2.53	2.17	2.07	1.76		
Legal & General		1.50	1.94	3.06	2.73	2.36	1.95	1.72	1.25	2.45	4.61		
London & Edinburgh		1.34	1.63	2.26	1.98	1.86	1.40	0.94	0.98	0.88	1.24		
Nat. Farmers Union Mutual		1.44	1.91	2.67	2.27	1.92	1.51	1.10	0.92	0.72	1.15		
Nat. Insurance & G'tee		1.25	1.52	2.36	2.07	1.73	1.45	1.13	0.79	0.70	1.01		
Norman *		1.20	1.46	2.03	1.71	1.58	1.62	1.54	1.31	0.72	0.50		
Norwich Union *		1.32	1.57	2.51	2.25	2.08	2.02	1.84	1.80	1.70	1.54		
Pearl		1.34	1.50	2.00	1.62	1.26	1.03	1.11	1.31	0.56	0.84		
Provincial		1.31	1.65	2.57	2.31	2.12	1.84	1.45	1.11	0.73	1.51		
Prudential		1.30	1.70	2.64	2.41	2.14	1.76	1.47	1.13	1.00	1.54		
Royal *		1.33	1.74	2.67	2.49	2.33	2.21	1.95	1.78	1.54	1.24		
Sun Alliance & London		1.27	1.60	2.46	2.22	2.01	1.66	1.31	0.97	0.64	1.48		
Wesleyan & General		1.67	2.27	2.87	2.33	1.76	1.20	0.65	0.71	2.18	1.95		
TOTAL		1.29	1.63	2.47	2.20	1.96	1.65	1.36	1.12	1.03	2.16		
TOTAL at 8% inflation		1.33	1.69	2.53	2.25	2.00	1.68	1.38	1.15	1.07	2.24		
TOTAL of 1991 data		1.30	1.60	2.45	2.18	1.93	1.64	1.40	1.26	2.15	2.26		

\* For these companies separate non-comp data available.

TABLE 29

Name	Size	RUN-OFF PATTERN PER MILLE										Method : Basic Chain Ladder				
		0	1	2	3	4	5	6	7	8	9+					
Avon	115,730	632	229	38	30	24	23	11	4	8	1					
Britannic	27,367	617	213	37	32	24	17	19	14	22	5					
Co-operative	741,339	810	206	34	32	29	19	22	22	15	10					
Commercial Union	616,156	647	226	39	29	23	16	11	7	2	0					
Comhill	541,463	618	222	46	37	22	23	14	9	7	3					
Eagle Star *	921,493	618	235	40	33	25	19	11	7	5	7					
General Accident	1,433,823	624	229	36	31	24	20	18	10	5	2					
Guardian	1,165,986	617	241	43	34	25	19	10	6	3	1					
Iron Trades Mutual *	294,186	634	217	32	28	20	20	12	12	7	19					
Legal & General	165,890	578	243	35	30	27	28	18	30	7	4					
London & Edinburgh	262,007	600	230	49	45	22	21	22	7	3	1					
Nat. Farmers Union Mutual	294,955	598	214	39	37	31	29	31	14	7	1					
Nat. Insurance & G'tee	421,761	620	237	37	30	27	19	15	11	3	1					
Norman *	69,204	636	220	43	41	29	13	7	4	5	2					
Norwich Union *	1,243,928	594	250	39	35	29	18	14	8	5	8					
Pearl	102,202	571	256	48	45	40	25	9	1	4	0					
Provincial	390,646	616	233	38	33	24	17	15	12	10	2					
Prudential	510,608	627	222	38	30	21	22	16	13	8	3					
Royal *	988,871	612	226	41	32	26	17	15	11	7	13					
Sun Alliance & London	1,214,477	625	228	39	32	22	19	16	11	8	1					
Wesleyan & General	15,971	568	199	38	37	41	43	65	9	0	1					
TOTAL	8,020,381	620	228	39	33	25	20	16	11	6	2					
TOTAL of 1991 data	10,095,171	615	240	39	32	24	19	14	11	2	2					

\* For these companies separate non-comp data available.

TABLE 30.1



Risk Group : MOTOR - COMPREHENSIVE Method : Basic Chain Ladder

Name	9	10	11	12	13	14	15	16+
Avon	1	0	0	0	0	0	0	0
Britannic	2	1	0	2	0	0	0	0
Co-operative	4	2	2	1	1	0	0	0
Commercial Union	0	0	0	0	0	0	0	0
Comhill	1	1	0	0	0	0	0	0
Eagle Star *	2	3	1	0	0	0	0	0
General Accident	1	0	0	0	0	0	0	0
Guardian	0	0	0	0	0	0	0	0
Iron Trades Mutual *	7	5	3	5	0	0	0	0
Legal & General	1	2	0	0	0	0	1	0
London & Edinburgh	1	0	0	0	0	0	0	0
Nat. Farmers Union Mutual	1	0	0	0	0	0	0	0
Nat. Insurance & G'tee	0	0	0	0	0	0	0	0
Norman *	2	0	0	0	0	0	0	0
Norwich Union *	2	5	2	0	0	0	0	0
Pearl	0	0	0	0	0	0	0	0
Provincial	1	1	0	0	0	0	0	0
Prudential	1	2	0	0	0	0	0	0
Royal *	9	2	0	1	0	0	0	1
Sun Alliance & London	0	0	0	0	0	0	0	0
Wesleyan & General	0	0	0	0	0	0	0	0
TOTAL	1	1	0	0	0	0	0	0
TOTAL of 1991 data	1	1	0	0	0	0	0	(15+)

\* For these companies separate non-comp data available.

TABLE 30.2

Name	MEAN TERMS									
	0	1	2	3	4	5	6	7	8	9
Avon	1.27	1.60	2.42	2.13	1.81	1.48	1.45	1.29	0.63	0.53
Britannic	1.50	2.11	3.13	2.87	2.62	2.30	1.82	1.43	0.92	1.90
Co-operative	1.60	2.32	3.35	3.00	2.69	2.41	1.93	1.57	1.51	2.00
Commercial Union	1.20	1.48	2.20	1.94	1.64	1.37	1.07	0.81	0.67	1.02
Cornhill	1.35	1.73	2.44	2.23	2.05	1.69	1.54	1.32	1.07	1.59
Eagle Star *	1.33	1.68	2.56	2.34	2.17	2.01	1.99	1.86	1.69	1.53
General Accident	1.33	1.71	2.60	2.30	2.00	1.65	1.32	1.18	1.09	1.79
Guardian	1.26	1.49	2.18	1.90	1.65	1.38	1.23	1.00	0.93	1.52
Iron Trades Mutual *	1.45	2.10	3.41	3.19	3.04	2.77	2.65	2.30	2.17	1.81
Legal & General	1.57	2.04	3.13	2.76	2.36	1.94	1.63	1.11	1.78	2.77
London & Edinburgh	1.37	1.68	2.28	1.99	1.87	1.42	1.02	1.07	0.94	0.95
Nat. Farmers Union Mutual	1.52	2.03	2.77	2.36	1.98	1.54	1.11	0.96	0.77	1.30
Nat. Insurance & G'tee	1.30	1.61	2.46	2.15	1.80	1.52	1.17	0.85	0.89	1.29
Norman *	1.23	1.52	2.08	1.75	1.61	1.69	1.54	1.30	0.73	0.50
Norwich Union *	1.41	1.73	2.69	2.42	2.22	2.14	1.95	1.91	1.79	1.58
Pearl	1.37	1.53	2.05	1.65	1.30	1.11	1.18	1.36	0.62	0.82
Provincial	1.36	1.75	2.68	2.41	2.21	1.92	1.56	1.22	0.91	1.75
Prudential	1.36	1.82	2.75	2.50	2.22	1.81	1.53	1.23	1.10	1.47
Royal *	1.45	1.96	2.97	2.80	2.62	2.48	2.21	2.03	1.82	1.57
Sun Alliance & London	1.33	1.71	2.57	2.32	2.09	1.71	1.36	1.03	0.73	1.65
Wesleyan & General	1.73	2.34	2.89	2.35	1.79	1.24	0.66	0.70	2.18	2.03
TOTAL	1.35	1.73	2.57	2.29	2.03	1.72	1.42	1.20	1.11	1.89
TOTAL of 1991 data	1.32	1.63	2.49	2.23	1.98	1.71	1.48	1.36	2.21	2.34

\* For these companies separate non-comp data available.

Risk Group :		MOTOR - COMPREHENSIVE										Method : Average Claim				
Future Inflation :		6%														
Name	Size	0	1	2	3	4	5	6	7	8	9+					
Avon	115,730	636	229	35	32	22	24	11	3	8	1					
Britannic	27,367	623	215	36	32	24	14	18	13	21	5					
Co-operative	741,339	622	207	34	32	25	18	18	18	13	12					
Commercial Union	616,156	653	224	37	28	23	18	11	6	2	1					
Cornhill	541,463	628	224	42	35	21	21	12	8	6	4					
Eagle Star *	921,493	629	233	40	32	23	17	10	6	4	5					
General Accident	1,433,823	632	230	35	29	22	18	17	9	5	4					
Guardian	1,165,986	631	240	41	32	22	17	9	5	2	1					
Iron Trades Mutual *	294,186	636	228	36	29	20	17	9	8	5	11					
Legal & General	165,890	581	241	35	29	25	31	14	33	6	6					
London & Edinburgh	262,007	599	239	45	43	19	19	25	6	3	3					
Nat. Farmers Union Mutual	294,955	605	216	38	38	30	26	25	13	6	2					
Nat. Insurance & G'tee	421,761	626	240	37	29	25	19	12	9	3	1					
Norman *	69,204	633	228	41	42	24	16	7	3	5	1					
Norwich Union *	1,243,928	595	265	39	35	26	14	10	7	4	5					
Pearl	102,202	578	252	50	43	38	26	8	1	3	0					
Provincial	390,846	622	232	38	33	23	15	15	10	9	2					
Prudential	510,608	632	223	37	29	22	20	13	13	7	4					
Royal *	988,871	620	228	42	34	26	16	14	8	6	8					
Sun Alliance & London	1,214,477	629	231	39	32	21	17	14	10	6	1					
Wesleyan & General	15,971	556	209	37	36	41	46	62	8	0	4					
TOTAL	8,020,381	629	229	38	32	23	18	14	10	5	3					
TOTAL at 8% inflation	8,020,381	619	230	39	33	24	20	16	11	6	3					
TOTAL of 1991 data	10,095,171	615	237	39	32	24	19	14	11	3	5					

\* For these companies separate non-comp data available.

TABLE 32.1

Risk Group :		MOTOR - COMPREHENSIVE										Method : Average Claim				
Future Inflation :		6%										RUN-OFF PATTERN PER MILLE				
Name		9	10	11	12	13	14	15	16+							
Avon		0	0	0	0	0	0	0	0							
Britannic		2	2	1	0	0	0	0	0							
Co-operative		5	2	2	2	1	0	1	0							
Commercial Union		0	0	0	0	0	0	0	1							
Comhill		1	2	0	0	0	0	0	1							
Eagle Star *		2	2	1	0	0	0	0	0							
General Accident		1	1	1	0	0	0	0	0							
Guardian		0	0	0	0	0	0	0	0							
Iron Trades Mutual *		3	4	3	2	0	0	0	0							
Legal & General		1	2	0	0	0	0	1	2							
London & Edinburgh		1	1	0	0	0	0	0	0							
Nat. Farmers Union Mutual		1	0	1	0	0	0	0	0							
Nat. Insurance & G'tee		0	0	0	0	0	0	0	0							
Norman *		1	0	0	0	0	0	0	0							
Norwich Union *		1	3	1	0	0	0	0	0							
Pearl		0	0	0	0	0	0	0	0							
Provincial		1	1	0	0	0	0	0	0							
Prudential		1	2	1	0	0	0	0	0							
Royal *		5	1	0	1	0	0	0	1							
Sun Alliance & London		0	0	0	0	0	0	0	0							
Wesleyan & General		1	0	3	0	0	0	0	0							
TOTAL		1	1	0	0	0	0	0	0							
TOTAL at 8% inflation		1	1	0	0	0	0	0	0							
TOTAL of 1991 data		2	1	1	0	0	0	1	(15+)							

\* For these companies separate non-comp data available.

TABLE 32.2

Risk Group :		MOTOR - COMPREHENSIVE										Method : Average Claim			
Future Inflation :		6%										MEAN TERMS			
Name		0	1	2	3	4	5	6	7	8	9				
Avon		1.26	1.58	2.41	2.08	1.81	1.43	1.42	1.26	0.58	0.69				
Britannic		1.46	2.05	3.11	2.86	2.65	2.37	1.81	1.42	0.86	1.28				
Co-operative		1.53	2.23	3.34	3.05	2.82	2.56	2.18	1.90	1.89	2.32				
Commercial Union		1.19	1.48	2.27	2.03	1.76	1.58	1.43	1.56	2.88	5.37				
Cornhill		1.32	1.70	2.51	2.31	2.17	1.87	1.87	1.81	1.84	2.89				
Eagle Star *		1.28	1.60	2.44	2.23	2.07	1.93	1.87	1.78	1.58	1.40				
General Accident		1.30	1.68	2.65	2.38	2.13	1.82	1.53	1.52	1.62	2.12				
Guardian		1.20	1.41	2.10	1.84	1.61	1.35	1.21	0.99	0.87	1.39				
Iron Trades Mutual *		1.33	1.77	2.88	2.74	2.67	2.54	2.57	2.29	2.20	1.95				
Legal & General		1.59	2.10	3.26	2.93	2.55	2.12	1.97	1.43	3.03	4.61				
London & Edinburgh		1.37	1.67	2.38	2.10	2.03	1.57	1.11	1.40	1.42	1.24				
Nat. Farmers Union Mutual		1.47	1.96	2.72	2.32	2.00	1.61	1.23	1.05	0.93	1.15				
Nat. Insurance & G'tee		1.26	1.52	2.36	2.08	1.75	1.47	1.20	0.87	0.86	1.01				
Norman *		1.22	1.47	2.06	1.70	1.60	1.46	1.49	1.33	0.71	0.50				
Norwich Union *		1.31	1.50	2.39	2.12	1.99	1.98	1.80	1.69	1.63	1.51				
Pearl		1.35	1.51	2.01	1.65	1.28	1.04	1.17	1.43	0.68	0.84				
Provincial		1.33	1.70	2.62	2.36	2.19	1.93	1.51	1.24	0.88	1.51				
Prudential		1.34	1.77	2.74	2.51	2.25	1.91	1.65	1.29	1.25	1.54				
Royal *		1.36	1.76	2.63	2.43	2.28	2.19	1.96	1.88	1.74	1.64				
Sun Alliance & London		1.29	1.62	2.48	2.24	2.04	1.71	1.36	1.03	0.76	1.48				
Wesleyan & General		1.76	2.34	2.98	2.44	1.87	1.34	0.86	1.67	2.82	1.95				
TOTAL		1.31	1.67	2.55	2.30	2.07	1.78	1.53	1.36	1.39	2.16				
TOTAL at 8% inflation		1.35	1.74	2.62	2.36	2.12	1.83	1.57	1.41	1.45	2.24				
TOTAL of 1991 data		1.35	1.72	2.66	2.43	2.24	2.02	1.88	1.91	2.65	2.93				

\* For these companies separate non-comp data available.

TABLE 33

Risk Group :

MOTOR - COMPREHENSIVE

Method : Company Incurred

Name	Size	RUN-OFF PATTERN PER MILLE									
		0	1	2	3	4	5	6	7	8	9+
Avon	115,730	612	220	33	29	21	23	10	6	9	38
Britannic	27,367	634	222	36	30	21	12	16	10	12	8
Co-operative	741,339	583	201	34	33	28	21	22	22	15	41
Commercial Union	616,156	635	226	39	30	27	18	12	7	2	5
Comhill	541,463	611	224	44	37	23	24	13	10	7	9
Eagle Star *	921,493	620	236	41	33	25	18	11	6	4	6
General Accident	1,433,823	616	232	35	30	23	20	17	10	6	12
Guardian	1,165,986	605	240	43	35	26	20	12	7	3	9
Iron Trades Mutual *	294,186	620	224	36	30	23	21	11	11	7	16
Legal & General	165,890	575	242	35	28	25	28	16	30	7	14
London & Edinburgh	262,007	588	240	45	44	21	21	28	7	4	4
Nat. Farmers Union Mutual	294,955	585	214	38	37	29	27	28	14	7	21
Nat. Insurance & G'tee	421,761	607	239	38	30	26	20	13	13	4	10
Norman *	69,204	594	224	42	45	31	24	11	5	20	5
Norwich Union *	1,243,928	572	260	40	37	30	18	15	10	6	13
Pearl	102,202	561	250	51	44	37	26	8	1	2	19
Provincial	390,646	615	233	37	33	23	16	15	10	8	10
Prudential	510,608	615	221	38	29	23	21	16	15	7	14
Royal *	988,871	608	227	42	35	28	17	15	10	6	11
Sun Alliance & London	1,214,477	603	254	44	36	24	20	15	13	9	33
Wesleyan & General	15,971	593	235	42	40	38	44	46	5	0	6
TOTAL	8,020,381	606	227	38	33	24	20	16	12	7	17
TOTAL of 1991 data	10,095,171	605	234	38	32	24	20	16	11	6	15

\* For these companies separate non-comp data available.

TABLE 34.1

Risk Group :

MOTOR - COMPREHENSIVE

Method : Company Incurred

Name	RUN-OFF PATTERN PER MILLE														
	9	10	11	12	13	14	15	16+							
Avon	21	11	0	0	0	0	0	5							
Britannic	2	3	1	2	0	0	0	1							
Co-operative	16	5	5	6	3	0	1	5							
Commercial Union	2	0	0	0	0	0	0	3							
Cornhill	3	3	0	0	0	0	0	3							
Eagle Star *	2	2	1	0	0	0	0	0							
General Accident	3	2	2	1	0	1	0	3							
Guardian	2	2	1	0	0	0	0	3							
Iron Trades Mutual *	4	5	5	3	0	0	0	0							
Legal & General	6	3	0	0	0	0	1	4							
London & Edinburgh	2	2	0	0	0	0	0	0							
Nat. Farmers Union Mutual	8	0	6	0	0	0	0	7							
Nat. Insurance & Gtee	2	2	1	2	0	0	0	3							
Norman *	5	0	0	0	0	0	0	0							
Norwich Union *	3	8	2	1	0	0	0	0							
Pearl	5	1	0	0	0	0	0	13							
Provincial	2	3	1	0	1	0	1	2							
Prudential	4	6	2	0	1	0	0	2							
Royal *	6	2	1	1	0	0	0	2							
Sun Alliance & London	6	5	5	1	9	1	0	6							
Wesleyan & General	2	0	4	0	0	0	0	0							
TOTAL	5	3	2	1	1	0	1	4							
TOTAL of 1991 data	3	3	2	1	1	0	5	(15+)							

\* For these companies separate non-comp data available.

TABLE 34.2

## MOTOR - COMPREHENSIVE

Risk Group :

Name	MEAN TERMS									
	0	1	2	3	4	5	6	7	8	9
Avon	1.64	2.44	3.97	3.83	3.72	3.50	3.59	3.17	2.49	1.99
Britannic	1.37	1.88	3.00	2.84	2.73	2.55	1.98	1.67	2.39	
Co-operative	1.96	2.99	4.31	4.03	3.80	3.55	3.20	2.95	2.92	2.80
Commercial Union	1.29	1.67	2.58	2.38	2.18	2.22	2.40	3.09	4.60	5.09
Cornhill	1.44	1.90	2.80	2.63	2.56	2.34	2.49	2.50	2.79	3.56
Eagle Star *	1.31	1.63	2.49	2.27	2.12	1.99	1.97	2.00	1.92	1.95
General Accident	1.45	1.97	3.19	3.00	2.84	2.68	2.63	2.93	3.35	3.74
Guardian	1.40	1.77	2.72	2.57	2.52	2.55	2.89	3.32	4.03	4.38
Iron Trades Mutual *	1.46	2.02	3.20	3.01	2.87	2.67	2.64	2.35	2.23	1.99
Legal & General	1.67	2.25	3.56	3.27	2.93	2.56	2.44	2.04	3.31	3.66
London & Edinburgh	1.43	1.77	2.52	2.23	2.13	1.66	1.21	1.54	1.57	1.61
Nat. Farmers Union Mutual	1.73	2.47	3.57	3.29	3.11	2.90	2.81	3.34	3.78	3.83
Nat. Insurance & G'tee	1.44	1.89	3.03	2.85	2.65	2.59	2.65	2.68	3.65	3.87
Norman *	1.49	1.94	2.71	2.36	2.24	2.06	1.96	1.49	0.70	0.50
Norwich Union *	1.50	1.83	2.89	2.63	2.49	2.44	2.21	2.05	1.86	1.51
Pearl	1.62	2.05	3.11	3.07	3.27	4.10	6.17	7.25	6.52	6.23
Provincial	1.42	1.90	3.04	2.87	2.84	2.75	2.57	2.66	2.86	3.67
Prudential	1.50	2.09	3.24	3.06	2.85	2.58	2.43	2.27	2.47	2.48
Royal *	1.45	1.92	2.88	2.68	2.54	2.50	2.31	2.34	2.34	2.41
Sun Alliance & London	1.03	0.82	0.40	-0.65	-2.30	-5.00	-11.42	-53.44	27.98	12.83
Wesleyan & General	0.92	0.54	-0.40	-1.69	-3.67	-7.77	-53.05	11.04	8.76	7.68
TOTAL	1.53	2.12	3.32	3.17	3.08	2.97	2.96	3.08	3.38	3.50
TOTAL of 1991 data	1.50	2.02	3.23	3.08	2.99	2.91	2.92	3.11	3.58	3.83

\* For these companies separate non-comp data available.



Risk Group : MOTOR - COMPREHENSIVE Method : Basic Chain Ladder

Name	10	11	12	13	14	15	16+
TOTAL	1.82	2.06	2.15	2.02	1.52	0.77	2.00
TOTAL of 1991 data	2.24	2.54	2.60	2.56	2.37	2.00	(15+)

Risk Group : Future Inflation : 6% MOTOR - COMPREHENSIVE Method : Inflation Adjusted Chain Ladder

Name	10	11	12	13	14	15	16+
TOTAL	2.15	2.45	2.84	2.98	2.79	2.44	2.00
TOTAL at 8% inflation	2.23	2.52	2.90	3.01	2.80	2.44	2.00
TOTAL of 1991 data	2.14	2.41	2.50	2.60	2.57	2.00	(15+)

Risk Group : Future Inflation : 6% MOTOR - COMPREHENSIVE Method : Average Claim

Name	10	11	12	13	14	15	16+
TOTAL	2.15	2.45	2.84	2.98	2.79	2.44	2.00
TOTAL at 8% inflation	2.23	2.52	2.90	3.01	2.80	2.44	2.00
TOTAL of 1991 data	2.95	3.35	3.40	3.24	2.81	2.00	(15+)

Risk Group : MOTOR - COMPREHENSIVE Method : Company Incurred

Name	10	11	12	13	14	15	16+
TOTAL	3.84	4.12	4.19	3.96	3.39	2.59	2.00
TOTAL of 1991 data	3.87	4.03	3.89	3.48	2.81	2.00	(15+)

TABLE 36

Risk Group : MOTOR - NON COMPREHENSIVE

Future Inflation :		RUN-OFF PATTERN PER MILLE											
Name	6% Size	0	1	2	3	4	5	6	7	8	9+		
Avon	20,255	371	215	84	80	38	45	42	73	49	3		
Britannic	7,133	223	208	89	141	96	59	90	57	29	9		
Co-operative	131,706	250	225	113	102	72	64	52	56	41	24		
Commercial Union	55,698	274	258	143	117	83	56	32	20	15	2		
Cornhill	64,882	268	264	157	111	65	55	22	45	5	7		
Eagle Star *	192,964	242	247	130	119	80	60	52	19	10	41		
General Accident	196,991	289	243	115	98	91	59	38	35	24	7		
Guardian	298,456	254	252	140	119	81	56	38	32	26	2		
Iron Trades Mutual *	43,987	378	268	93	90	71	40	25	17	10	8		
Legal & General	12,837	262	245	122	134	73	64	58	18	20	4		
London & Edinburgh	230,943	328	271	118	108	80	42	19	22	9	3		
Nat. Farmers Union Mutual	40,168	318	229	113	119	73	76	38	21	11	2		
Nat. Insurance & Gtee	157,325	302	271	111	99	71	75	39	17	15	1		
Norman *	1,550	357	296	77	65	29	13	24	45	24	70		
Norwich Union *	266,531	284	237	120	110	87	63	38	32	19	10		
Pearl	18,937	210	222	168	119	168	42	40	24	6	1		
Provincial	42,040	266	242	133	123	67	82	41	39	5	3		
Prudential	65,645	304	236	110	90	76	50	68	24	35	7		
Royal *	112,609	249	276	141	102	82	60	42	17	11	19		
Sun Alliance & London	290,809	301	270	146	111	80	38	24	18	10	1		
Wesleyan & General	3,133	230	156	90	55	79	16	319	43	8	3		
TOTAL	2,254,599	285	252	127	108	79	55	38	31	20	5		
TOTAL at 8% inflation	2,254,599	274	247	127	110	82	59	40	34	23	5		
TOTAL of 1991 data	1,857,956	271	257	129	110	83	62	43	32	5	8		

\* For these companies separate comp data available.

TABLE 37.1

Risk Group : MOTOR - NON COMPREHENSIVE Method : Inflation Adjusted Chain Ladder

Future Inflation :		RUN-OFF PATTERN PER MILLE										16+	
Name	6%	9	10	11	12	13	14	15	16+				
Avon	2	1	0	0	0	0	0	0	0	0	0		
Britannic	4	4	2	0	0	0	0	0	0	0	0		
Co-operative	9	3	3	4	3	1	2	0	0	0	0		
Commercial Union	1	0	0	0	0	0	0	0	0	1	1		
Cornhill	2	4	0	0	0	0	0	0	0	0	1		
Eagle Star *	11	5	2	2	0	0	0	21	0	0	0		
General Accident	3	2	1	0	0	1	0	0	0	0	0		
Guardian	1	1	0	0	0	0	0	0	0	0	0		
Iron Trades Mutual *	6	-2	2	1	0	0	0	0	0	0	2		
Legal & General	1	1	0	0	0	0	0	0	0	0	0		
London & Edinburgh	1	1	0	0	0	0	0	0	0	0	0		
Nat. Farmers Union Mutual	1	0	0	0	0	0	0	0	0	0	0		
Nat. Insurance & G'tee	1	0	0	0	0	0	0	0	0	0	0		
Norman *	11	40	2	9	9	0	0	0	0	0	0		
Norwich Union *	5	4	0	1	0	0	0	0	0	0	0		
Pearl	1	0	0	0	0	0	0	0	0	0	0		
Provincial	1	1	0	0	0	0	0	0	0	0	0		
Prudential	2	3	1	0	0	0	0	0	0	0	0		
Royal *	11	8	0	0	0	0	0	0	0	0	0		
Sun Alliance & London	0	0	0	0	0	0	0	0	0	0	0		
Wesleyan & General	1	0	2	0	0	0	0	0	0	0	0		
TOTAL	2	1	1	0	0	0	0	0	0	0	0		
TOTAL at 8% inflation	2	1	1	0	0	0	0	0	0	0	0		
TOTAL of 1991 data	3	2	1	1	0	0	0	1	(15+)				

\* For these companies separate comp data available.

TABLE 37.2

Name	MEAN TERMS									
	0	1	2	3	4	5	6	7	8	9
Avon	2.68	2.97	3.25	2.95	2.74	2.14	1.58	0.95	0.57	0.69
Britannic	3.24	3.02	2.95	2.40	2.19	1.86	1.30	1.06	0.92	1.28
Co-operative	3.16	3.05	3.14	2.86	2.65	2.30	1.96	1.59	1.53	2.32
Commercial Union	2.49	2.24	2.19	1.94	1.75	1.59	1.46	1.28	1.17	5.37
Cornhill	2.52	2.26	2.25	2.13	2.04	1.79	1.68	1.15	2.54	2.89
Eagle Star *	3.03	2.83	2.96	2.80	2.84	2.86	3.02	3.88	4.14	4.02
General Accident	2.67	2.55	2.62	2.31	2.01	1.84	1.60	1.23	1.08	2.12
Guardian	2.67	2.41	2.39	2.14	1.97	1.74	1.44	1.03	0.63	1.39
Iron Trades Mutual *	2.14	2.13	2.37	2.03	1.84	1.79	1.64	1.47	1.40	1.49
Legal & General	2.69	2.47	2.44	2.08	1.98	1.64	1.36	1.55	1.37	4.61
London & Edinburgh	2.23	2.07	2.13	1.82	1.62	1.58	1.44	0.97	0.89	1.24
Nat. Farmers Union Mutual	2.46	2.38	2.33	1.94	1.71	1.32	1.19	0.95	0.70	1.15
Nat. Insurance & G'tee	2.43	2.26	2.38	2.04	1.74	1.34	1.21	1.04	0.60	1.01
Norman *	2.71	2.94	4.02	4.02	4.13	3.74	3.00	2.43	2.35	1.99
Norwich Union *	2.67	2.53	2.54	2.22	1.98	1.77	1.58	1.24	1.07	1.13
Pearl	2.76	2.36	2.09	1.76	1.29	1.47	1.05	0.77	0.72	0.84
Provincial	2.64	2.41	2.35	2.04	1.84	1.37	1.19	0.78	1.21	1.51
Prudential	2.71	2.67	2.79	2.50	2.19	1.89	1.41	1.34	0.83	1.54
Royal *	2.63	2.34	2.41	2.22	1.98	1.78	1.65	1.66	1.32	0.81
Sun Alliance & London	2.27	2.03	2.00	1.77	1.60	1.55	1.29	0.94	0.65	1.48
Wesleyan & General	3.71	3.67	3.48	2.99	2.28	1.64	0.69	0.83	1.14	1.95
TOTAL	2.58	2.40	2.44	2.18	1.97	1.75	1.49	1.16	0.98	2.16
TOTAL at 8% inflation	2.67	2.48	2.51	2.23	2.01	1.78	1.52	1.19	1.02	2.24
TOTAL of 1991 data	2.59	2.37	2.39	2.11	1.87	1.62	1.40	1.26	2.15	2.26

\* For these companies separate comp data available.

Risk Group : MOTOR - NON COMPREHENSIVE Method : Basic Chain Ladder

Name	Size	RUN-OFF PATTERN PER MILL£										
		0	1	2	3	4	5	6	7	8	9+	
Avon	20,255	362	212	82	80	38	45	42	75	52	12	
Britannic	7,133	215	206	90	138	97	63	92	57	30	11	
Co-operative	131,708	238	216	109	101	72	65	56	64	47	31	
Commercial Union	55,698	257	254	144	120	87	61	36	22	18	1	
Cornhill	64,882	248	259	161	116	66	61	24	50	6	9	
Eagle Star *	192,964	224	237	124	116	83	63	61	21	13	58	
General Accident	196,991	280	240	114	97	93	62	40	39	27	8	
Guardian	298,456	244	243	136	121	83	59	42	37	30	5	
Iron Trades Mutual *	43,987	370	266	93	89	71	40	29	20	12	10	
Legal & General	12,837	251	243	122	128	78	66	64	22	21	5	
London & Edinburgh	230,943	316	264	119	111	86	45	20	25	10	5	
Nat. Farmers Union Mutual	40,168	310	227	115	115	76	81	39	22	12	2	
Nat. Insurance & G'tee	157,325	288	264	109	101	72	83	44	19	17	2	
Norman *	1,550	319	284	81	70	38	15	27	39	31	95	
Norwich Union *	266,531	267	228	117	111	91	68	43	40	24	11	
Pearl	18,937	199	216	161	123	177	44	43	27	7	3	
Provincial	42,040	253	237	130	126	69	86	45	43	6	5	
Prudential	65,645	289	226	107	88	80	54	78	28	39	11	
Royal *	112,608	231	260	134	103	87	69	54	21	14	27	
Sun Alliance & London	290,809	293	264	144	114	83	40	27	20	12	2	
Wesleyan & General	3,133	204	144	84	50	76	17	370	42	9	3	
TOTAL	2,254,599	273	246	125	109	82	59	41	35	23	7	
TOTAL of 1991 data	1,857,956	267	257	129	110	83	62	44	33	6	9	

\* For these companies separate comp data available.

\* For these companies separate comp data available.

TABLE 39.1

## MOTOR - NON COMPREHENSIVE

Risk Group :

		RUN-OFF PATTERN PER MILLE												
		9	10	11	12	13	14	15	16+					
Name		12	0	0	0	0	0	0	0					
Avon		4	3	1	4	0	0	0	0					
Britannic		13	5	5	4	2	1	1	0					
Co-operative		1	0	0	0	0	0	0	0					
Commercial Union		3	5	0	0	0	0	0	0					
Cornhill		14	6	2	3	0	0	33	1					
Eagle Star *		3	2	2	1	0	1	0	0					
General Accident		2	2	1	0	0	0	0	0					
Guardian		8	-3	3	2	0	0	0	0					
Iron Trades Mutual *		2	2	0	0	0	0	1	1					
Legal & General		3	1	0	0	0	0	0	0					
London & Edinburgh		1	0	1	0	0	0	0	0					
Nat. Farmers Union Mutual		1	1	0	0	0	0	0	0					
Nat. Insurance & G'itee		15	52	2	13	13	0	0	0					
Norman *		6	4	0	1	0	0	0	0					
Norwich Union *		2	1	0	0	0	0	0	0					
Pearl		1	2	1	0	0	0	0	0					
Provincial		3	7	1	0	0	0	0	0					
Prudential		16	12	0	0	0	0	0	0					
Royal *		1	1	0	0	0	0	0	0					
Sun Alliance & London		1	0	2	0	0	0	0	0					
Wesleyan & General		3	2	1	0	0	0	0	0					
TOTAL		3	3	1	1	0	0	1	(15+)					

\* For these companies separate comp data available.

TABLE 39.2

## MOTOR - NON COMPREHENSIVE

Risk Group :

Name	MEAN TERMS									
	0	1	2	3	4	5	6	7	8	9
Avon	2.79	3.09	3.38	3.07	2.86	2.25	1.69	1.05	0.70	0.53
Britannic	3.31	3.08	3.00	2.46	2.24	1.91	1.37	1.20	1.15	1.90
Co-operative	3.34	3.22	3.30	3.00	2.76	2.38	2.00	1.59	1.49	2.00
Commercial Union	2.58	2.29	2.23	1.95	1.72	1.50	1.29	1.01	0.60	1.02
Cornhill	2.63	2.34	2.30	2.18	2.07	1.76	1.62	1.03	1.79	1.59
Eagle Star *	3.34	3.16	3.33	3.18	3.22	3.26	3.40	4.31	4.46	4.32
General Accident	2.76	2.63	2.70	2.38	2.06	1.87	1.62	1.22	1.03	1.79
Guardian	2.81	2.55	2.52	2.26	2.09	1.84	1.54	1.14	0.81	1.52
Iron Trades Mutual *	2.22	2.22	2.48	2.16	1.97	1.91	1.70	1.54	1.46	1.59
Legal & General	2.77	2.53	2.51	2.15	1.98	1.63	1.31	1.39	1.13	2.77
London & Edinburgh	2.32	2.16	2.20	1.87	1.68	1.64	1.52	1.05	0.97	0.95
Nat. Farmers Union Mutual	2.52	2.43	2.37	1.99	1.73	1.32	1.21	0.99	0.75	1.30
Nat. Insurance & G'tee	2.55	2.37	2.48	2.12	1.80	1.37	1.25	1.11	0.70	1.29
Norman *	3.08	3.28	4.27	4.24	4.31	4.00	3.27	2.73	2.43	2.06
Norwich Union *	2.84	2.69	2.67	2.33	2.06	1.83	1.58	1.21	1.02	1.14
Pearl	2.86	2.45	2.17	1.80	1.34	1.54	1.12	0.84	0.86	0.92
Provincial	2.75	2.51	2.44	2.11	1.91	1.44	1.26	0.90	1.56	1.75
Prudential	2.88	2.85	2.94	2.63	2.28	1.96	1.46	1.42	0.93	1.47
Royal *	2.87	2.58	2.64	2.40	2.12	1.87	1.69	1.72	1.35	0.79
Sun Alliance & London	2.34	2.11	2.07	1.82	1.65	1.59	1.32	0.99	0.76	1.65
Wesleyan & General	3.97	3.86	3.60	3.06	2.31	1.63	0.67	0.84	1.09	2.03
TOTAL	2.69	2.52	2.55	2.27	2.05	1.82	1.56	1.23	1.07	1.89
TOTAL of 1991 data	2.63	2.41	2.44	2.16	1.92	1.68	1.48	1.37	2.21	2.34

\* For these companies separate comp data available.

TABLE 40

Method : Average Claim

MOTOR - NON COMPREHENSIVE

Risk Group :  
Future Inflation :

Name	6% Size	0	1	2	3	4	5	6	7	8	9+
Avon	20,255	319	197	86	80	38	54	54	94	72	5
Britannic	7,133	238	213	89	132	94	58	80	52	28	17
Co-operative	131,706	266	223	110	96	68	80	48	53	40	36
Commercial Union	55,698	288	268	142	112	78	51	30	17	13	3
Cornhill	64,882	284	271	156	106	63	49	20	38	4	9
Eagle Star *	192,964	259	248	130	114	75	58	51	19	10	37
General Accident	196,991	306	245	112	93	87	55	36	34	23	11
Guardian	298,458	261	253	141	115	82	55	35	30	25	3
Iron Trades Mutual *	43,987	362	270	95	91	81	47	20	19	8	8
Legal & General	12,837	275	252	122	117	72	60	56	20	15	10
London & Edinburgh	230,943	340	273	115	103	76	41	18	22	8	4
Nat. Farmers Union Mutual	40,168	293	225	111	125	75	76	44	31	16	5
Nat. Insurance & G'tee	157,325	319	275	110	95	68	67	35	15	14	2
Norman *	1,550	333	304	81	76	39	17	21	50	20	58
Norwich Union *	266,531	302	245	121	109	83	57	32	27	15	9
Pearl	18,937	213	221	173	116	163	39	39	26	7	3
Provincial	42,040	284	252	124	126	61	69	37	36	5	5
Prudential	65,645	313	235	108	88	72	48	64	23	33	15
Royal *	112,609	246	266	142	104	85	65	45	17	13	17
Sun Alliance & London	290,809	311	272	143	106	79	36	23	18	11	2
Wesleyan & General	3,133	234	149	84	53	70	14	325	39	9	22
TOTAL	2,254,599	295	253	125	104	76	53	36	29	20	8
TOTAL at 8% inflation	2,254,599	284	248	125	106	79	56	39	32	22	9
TOTAL of 1991 data	1,857,956	280	252	126	106	80	59	41	31	10	16

\* For these companies separate comp data available.

TABLE 41.1



Risk Group :		MOTOR - NON COMPREHENSIVE										Method : Average Claim		
Future Inflation :		8% RUN-OFF PATTERN PER MILLE												
Name		9	10	11	12	13	14	15	16+					
Avon		4	1	0	0	0	0	0	0					
Britannic		7	7	3	0	0	0	0	0					
Co-operative		13	5	5	6	4	1	2	0					
Commercial Union		1	0	0	0	0	0	0	2					
Comhill		2	5	0	0	0	0	0	2					
Eagle Star *		10	5	2	2	0	0	17	0					
General Accident		4	2	2	1	0	1	0	0					
Guardian		2	1	0	0	0	0	0	0					
Iron Trades Mutual *		3	0	3	1	0	0	0	0					
Legal & General		2	3	0	0	0	0	1	4					
London & Edinburgh		2	2	0	0	0	0	0	0					
Nat. Farmers Union Mutual		3	0	1	0	0	0	0	0					
Nat. Insurance & G'tee		1	1	0	0	0	0	0	0					
Norman *		9	34	1	7	6	0	0	0					
Norwich Union *		5	3	1	0	0	0	0	0					
Pearl		2	0	0	0	0	0	0	0					
Provincial		2	2	0	0	0	0	0	0					
Prudential		4	7	3	0	0	0	0	0					
Royal *		11	7	0	0	0	0	0	0					
Sun Alliance & London		1	1	0	0	0	0	0	0					
Wesleyan & General		6	0	16	0	0	0	0	0					
TOTAL		3	2	1	1	0	0	0	0					
TOTAL at 8% inflation		3	2	1	1	0	0	0	1					
TOTAL of 1991 data		5	4	2	1	1	0	3	(15+)					

\* For these companies separate comp data available.

\* For these companies separate comp data available.

TABLE 41.2

Name	MEAN TERMS									
	0	1	2	3	4	5	6	7	8	9
Avon	3.14	3.38	3.55	3.21	2.90	2.22	1.63	0.99	0.58	0.69
Britannic	3.18	3.02	3.00	2.48	2.28	2.00	1.47	1.27	1.18	1.28
Co-operative	3.17	3.14	3.29	3.05	2.85	2.54	2.22	1.87	1.82	2.32
Commercial Union	2.40	2.17	2.17	1.95	1.79	1.68	1.62	1.62	1.72	5.37
Cornhill	2.42	2.18	2.21	2.13	2.08	1.90	1.86	1.37	2.85	2.89
Eagle Star *	2.90	2.74	2.87	2.73	2.74	2.72	2.82	3.64	3.90	3.81
General Accident	2.61	2.55	2.66	2.38	2.09	1.96	1.74	1.42	1.33	2.12
Guardian	2.63	2.38	2.37	2.13	1.95	1.74	1.48	1.08	0.71	1.39
Iron Trades Mutual *	2.19	2.14	2.34	1.99	1.73	1.71	1.75	1.47	1.63	1.82
Legal & General	2.66	2.49	2.55	2.26	2.14	1.88	1.71	2.20	2.59	4.61
London & Edinburgh	2.19	2.05	2.15	1.86	1.68	1.64	1.53	1.07	1.06	1.24
Nat. Farmers Union Mutual	2.65	2.54	2.49	2.09	1.90	1.52	1.33	1.04	0.87	1.15
Nat Insurance & G'ee	2.33	2.19	2.34	2.02	1.74	1.37	1.27	1.13	0.70	1.01
Norman *	2.68	2.77	3.67	3.59	3.73	3.49	2.83	2.21	2.31	1.93
Norwich Union *	2.52	2.39	2.41	2.11	1.90	1.73	1.57	1.25	1.11	1.11
Pearl	2.76	2.37	2.10	1.81	1.36	1.58	1.15	0.87	0.90	0.84
Provincial	2.54	2.35	2.35	2.02	1.92	1.49	1.30	0.94	1.48	1.51
Prudential	2.70	2.71	2.86	2.60	2.33	2.05	1.60	1.60	1.12	1.54
Royal *	2.68	2.39	2.42	2.21	1.94	1.72	1.59	1.61	1.24	0.79
Sun Alliance & London	2.23	2.02	2.01	1.80	1.62	1.60	1.35	1.01	0.77	1.48
Wesleyan & General	3.86	3.88	3.70	3.21	2.50	1.85	0.89	1.71	2.21	1.95
TOTAL	2.55	2.41	2.48	2.23	2.05	1.86	1.63	1.35	1.26	2.16
TOTAL at 8% inflation	2.65	2.49	2.55	2.30	2.10	1.90	1.67	1.38	1.30	2.24
TOTAL of 1991 data	2.66	2.50	2.57	2.33	2.16	2.00	1.91	1.93	2.65	2.93

\* For these companies separate comp data available.

Risk Group :	MOTOR - NON COMPREHENSIVE										RUN-OFF PATTERN PER MILLE										Method : Company Incurred																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	Name	Size	0	1	2	3	4	5	6	7	8	9+																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Commercial Union	Avon	20,255	377	215	82	83	39	55	39	52	40	17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

\* For these companies separate comp data available.

TABLE 43.1

Method : Company Incurred

MOTOR - NON COMPREHENSIVE

Risk Group :

Name	RUN-OFF PATTERN PER MILLE											16+
	9	10	11	12	13	14	15					
Avon	11	6	0	0	0	0	0	1				
Britannic	9	15	4	9	0	0	0	5				
Co-operative	37	10	12	18	8	1	2	12				
Commercial Union	1	0	0	0	0	0	0	1				
Cornhill	10	9	1	0	0	1	0	9				
Eagle Star *	12	6	2	3	0	0	9	0				
General Accident	10	8	6	2	0	3	0	7				
Guardian	7	4	2	1	1	0	0	7				
Iron Trades Mutual *	13	2	13	3	1	1	0	0				
Legal & General	14	6	1	0	0	0	1	9				
London & Edinburgh	23	10	2	0	1	0	0	3				
Nat. Farmers Union Mutual	6	1	6	0	0	0	0	5				
Nat. Insurance & G'tee	15	12	8	15	0	0	0	17				
Norman *	7	27	1	9	7	0	0	0				
Norwich Union *	12	10	4	2	2	0	0	0				
Pearl	9	7	1	0	0	0	0	41				
Provincial	5	5	1	0	1	0	2	4				
Prudential	13	14	6	0	2	0	0	3				
Royal *	15	9	0	0	0	0	0	0				
Sun Alliance & London	4	3	3	1	6	1	0	3				
Wesleyan & General	0	0	0	0	0	0	0	0				
TOTAL	12	7	4	2	1	1	2	7				
TOTAL of 1991 data	10	8	4	3	1	1	13	(15+)				

\* For these companies separate comp data available.

\* For these companies separate comp data available.

TABLE 43.2

Risk Group : MOTOR - NON COMPREHENSIVE

Method : Company Incurred

Name	0	1	2	3	4	MEAN TERMS					7	8	9
Avon	2.64	2.94	3.23	2.93	2.76	2.20	1.82	1.30	1.03	1.26			
Britannic	3.18	3.12	3.27	2.91	2.76	2.82	2.24	2.36	2.38	2.87			
Co-operative	3.92	3.92	4.14	3.94	3.80	3.51	3.22	2.90	2.92	2.88			
Commercial Union	2.58	2.33	2.26	1.97	1.71	1.51	1.36	1.27	1.14	4.61			
Cornhill	2.91	2.70	2.76	2.70	2.67	2.57	2.74	2.39	3.99	3.71			
Eagle Star *	3.01	2.78	2.80	2.56	2.47	2.32	2.24	2.78	2.99	2.90			
General Accident	2.95	2.94	3.17	2.97	2.80	2.82	2.73	2.59	2.65	3.36			
Guardian	2.91	2.67	2.73	2.58	2.51	2.49	2.45	2.38	2.47	4.07			
Iron Trades Mutual *	2.77	2.82	3.02	2.66	2.44	2.45	2.41	1.96	1.86	1.88			
Legal & General	2.91	2.76	2.89	2.68	2.64	2.54	2.57	2.85	2.88	3.48			
London & Edinburgh	2.55	2.50	2.74	2.54	2.50	2.82	2.64	2.22	2.04	1.53			
Nat Farmers Union Mutual	2.64	2.57	2.58	2.27	2.18	1.98	2.22	2.58	3.27	3.75			
Nat Insurance & G'tee	3.19	3.21	3.82	3.50	3.48	3.45	3.83	3.99	3.66	3.78			
Norman *	2.66	2.79	3.53	3.58	3.52	3.31	2.73	2.18	2.54	2.18			
Norwich Union *	3.05	2.93	2.94	2.61	2.38	2.18	2.03	1.72	1.61	1.58			
Pearl	3.44	3.20	3.20	3.24	3.24	4.79	5.01	6.03	7.07	6.74			
Provincial	2.71	2.56	2.63	2.39	2.39	2.15	2.12	3.30	3.61				
Prudential	2.94	2.98	3.18	2.96	2.73	2.57	2.21	2.40	1.98	2.19			
Royal *	2.76	2.51	2.56	2.37	2.11	1.89	1.78	1.79	1.38	0.95			
Sun Alliance & London	2.63	2.46	2.55	2.43	2.36	2.50	2.45	2.33	2.53	3.58			
Wesleyan & General	3.06	3.15	3.25	2.93	2.43	1.90	0.96	0.69	0.50	--			
TOTAL	2.96	2.87	3.04	2.88	2.81	2.78	2.73	2.67	2.81	3.33			
TOTAL of 1991 data	2.99	2.91	3.09	2.94	2.88	2.85	2.91	3.01	3.43	3.81			

\* For these companies separate comp data available.

TABLE 44

Risk Group : MOTOR - NON COMPREHENSIVE Method : Basic Chain Ladder

Name	10	11	12	13	14	15	16+
TOTAL	1.82	2.06	2.15	2.02	1.52	0.77	2.00
TOTAL of 1991 data	2.24	2.54	2.60	2.56	2.37	2.00	(15+)

Risk Group : Future Inflation : 8% MOTOR - NON COMPREHENSIVE Method : Inflation Adjusted Chain Ladder

Name	10	11	12	13	14	15	16+
TOTAL	2.15	2.45	2.84	2.98	2.79	2.44	2.00
TOTAL at 8% inflation	2.23	2.52	2.90	3.01	2.80	2.44	2.00
TOTAL of 1991 data	2.14	2.41	2.50	2.60	2.57	2.00	(15+)

Risk Group : Future Inflation : 6% MOTOR - NON COMPREHENSIVE Method : Average Claim

Name	10	11	12	13	14	15	16+
TOTAL	2.15	2.45	2.84	2.98	2.79	2.44	2.00
TOTAL at 8% inflation	2.23	2.52	2.90	3.01	2.80	2.44	2.00
TOTAL of 1991 data	2.95	3.35	3.40	3.24	2.81	2.00	(15+)

Risk Group : MOTOR - NON COMPREHENSIVE Method : Company Incurred

Name	10	11	12	13	14	15	16+
TOTAL	3.72	4.01	4.05	3.86	3.32	2.54	2.00
TOTAL of 1991 data	3.88	4.04	3.90	3.49	2.81	2.00	(15+)

TABLE 45

WEIGHTED MEAN TERMS (USING OUTSTANDING PROPORTIONS ON RUN-OFF PATTERN AS WEIGHTS)  
Risk Group : FIRE

Name	METHOD				SENSITIVITY ANALYSIS OF AGGREGATE DATA			
	6% IACL	BCL	6% AVC	CI	WEIGHTED MEAN TERM			
Avon	1.32	1.30	1.40		BY ASSUMED MEAN TERM FOR TAIL			
Britannic	0.90	0.91	0.85		Risk Group : FIRE			
Commercial Union	1.05	1.04	1.02		Assumed Mean term for tail	6% IACL	BCL	6% AVC
Co-operative	1.07	1.06	1.05					
Cornhill	1.13	1.17	1.06					
Eagle Star	1.34	1.30	1.26					
Ecclesiastical	2.90	2.70	2.58		1	1.18	1.15	1.14
Economic	2.22	2.12	1.79					
General Accident	1.08	1.06	1.07					
Guardian	1.23	1.20	1.16					
Iron Trades Mutual	0.69	0.69	0.73		2	1.22	1.18	1.17
Legal & General	0.41	0.10	0.64		3	1.25	1.21	1.20
Minster	0.35	0.37	-0.03		4	1.28	1.24	1.23
Nat. Farmers Union Mutual	0.54	0.53	0.50					
Norwich Union	0.69	0.70	0.68					
Provincial	1.33	1.32	1.30					
Prudential	1.08	1.06	1.02					
Refuge	0.87	0.90	0.87					
Royal	0.47	0.49	0.53					
Sun Alliance & London	1.29	1.26	1.24					
Wesleyan & General	1.43	1.42	1.24					
TOTAL	1.22	1.18	1.17	1.63				
TOTAL at 8% inflation	1.27	1.18	1.21	1.63				
TOTAL of 1991 data	1.30	1.25	1.26	1.78				
TOTAL of 1991 data excluding MMI/MGI	1.25	1.20	1.21	1.96				

TABLE 46

WEIGHTED MEAN TERMS (USING OUTSTANDING PROPORTIONS ON RUN-OFF PATTERN AS WEIGHTS)

Risk Group :	EMPLOYERS LIABILITY					SENSITIVITY ANALYSIS OF AGGREGATE DATA				
	METHOD					WEIGHTED MEAN TERM				
Name	6%	IACL	BCL	AVC	CI	BY ASSUMED MEAN TERM FOR TAIL				
Avon	2.78	2.78	2.95	2.68	2.94	Risk Group : EMPLOYERS LIABILITY				
Commercial Union	2.24	2.24	2.36	2.35	2.50	Assumed				
Co-operative	4.00	4.00	4.43	4.29	4.23	Mean term				
Cornhill	3.50	3.50	3.92	3.33	5.77	6%				
Eagle Star	6.30	6.30	6.99	6.34	5.77	IACL				
General Accident	4.75	4.75	5.42	4.23	4.36	BCL				
Guardian	3.23	3.23	3.55	3.05	3.16	AVC				
Iron Trades Mutual	3.65	3.65	3.93	3.66	3.99	CI				
Iron Trades Employer	2.77	2.77	2.98	2.83	2.68	METHOD				
Legal & General	4.40	4.40	4.92	4.26	4.12	6%				
Norwich Union	5.37	5.37	6.10	5.32	5.71	IACL				
Orion	2.59	2.59	2.65	2.71	2.80	BCL				
Pearl	2.75	2.75	2.90	2.65	3.25	AVC				
Provincial	2.79	2.79	3.01	2.80	4.66	CI				
Prudential	3.01	3.01	3.28	2.90	2.99	METHOD				
Royal	7.80	7.80	8.45	7.89	8.21	6%				
Sun Alliance & London	6.38	6.38	7.16	5.65	7.10	IACL				
Wesleyan & General	4.43	4.43	5.12	3.43	3.19	BCL				
TOTAL	5.01	5.01	5.68	5.61	5.22	AVC				
TOTAL at 8% inflation	5.41	5.41	5.68	6.03	5.22	CI				
TOTAL of 1991 data	4.34	4.34	4.58	4.32	4.49	METHOD				

TABLE 47



WEIGHTED MEAN TERMS (USING OUTSTANDING PROPORTIONS ON RUN-OFF PATTERN AS WEIGHTS)

Risk Group : PROFESSIONAL INDEMNITY

Name	METHOD			
	6% IACL	BCL	6% AVC	CI
Ecclesiastical	3.42	3.63	2.80	
Federation	2.73	2.78	2.69	
TOTAL	2.77	2.84	2.35	3.47

SENSITIVITY ANALYSIS OF AGGREGATE DATA

WEIGHTED MEAN TERM

BY ASSUMED MEAN TERM FOR TAIL

Risk Group : PROFESSIONAL INDEMNITY

Assumed Mean term for tail	METHOD			
	6% IACL	BCL	6% AVC	CI
1	2.73	2.80	2.33	3.28
2	2.77	2.84	2.35	3.47
3	2.80	2.88	2.37	3.66
4	2.84	2.92	2.39	3.85

TABLE 48

WEIGHTED MEAN TERMS (USING OUTSTANDING PROPORTIONS ON RUN-OFF PATTERN AS WEIGHTS)

Risk Group : MOTOR - COMPREHENSIVE

METHOD

Name	6% IACL	BCL	6% AVC	CI	SENSITIVITY ANALYSIS OF AGGREGATE DATA				
Avon	1.72	1.81	1.79	3.18					
Britannic	2.26	2.37	2.33	2.33					
Co-operative	2.44	2.54	2.58	3.45	WEIGHTED MEAN TERM				
Commercial Union	1.66	1.65	1.75	2.17					
Cornhill	1.89	1.93	2.01	2.37					
Eagle Star *	1.85	1.99	1.89	1.96	BY ASSUMED MEAN TERM FOR TAIL				
General Accident	1.87	1.94	1.98	2.59	Risk Group : MOTOR - COMPREHENSIVE				
Guardian	1.58	1.66	1.59	2.35					
Iron Trades Mutual *	2.37	2.59	2.24	2.48					
Legal & General	2.28	2.30	2.48	2.79					
London & Edinburgh	1.77	1.80	1.85	1.97	1	1.86	1.95	1.94	2.73
Nat. Farmers Union Mutual	2.01	2.09	2.06	3.05	2	1.86	1.95	1.94	2.79
Nat. Insurance & G'tee	1.73	1.81	1.73	2.47	3	1.86	1.95	1.94	2.84
Norman *	1.61	1.66	1.61	2.13	4	1.87	1.95	1.95	2.90
Norwich Union *	1.89	2.06	1.81	2.22					
Pearl	1.56	1.60	1.58	3.19					
Provincial	1.92	2.01	1.97	2.49					
Prudential	1.96	2.06	2.06	2.57					
Royal *	2.08	2.36	2.09	2.36					
Sun Alliance & London	1.84	1.94	1.86	-3.45					
Wesleyan & General	2.12	2.15	2.22	-8.48					
TOTAL	1.86	1.95	1.94	2.79					
TOTAL at 8% inflation	1.92	1.95	2.01	2.79					
TOTAL of 1991 data	1.85	1.90	2.08	2.70					

\* For these companies separate non-comp data available.

TABLE 49

WEIGHTED MEAN TERMS (USING OUTSTANDING PROPORTIONS ON RUN-OFF PATTERN AS WEIGHTS)  
 Risk Group : MOTOR - NON COMPREHENSIVE

Name	METHOD				SENSITIVITY ANALYSIS OF AGGREGATE DATA			
	6% IACL	BCL	6% AVC	CI	WEIGHTED MEAN TERM			
Avon	2.63	2.72	2.81	2.68				
Britannic	2.47	2.52	2.52	2.91				
Co-operative	2.72	2.82	2.87	3.66				
Commercial Union	2.05	2.03	2.06	2.08				
Cornhill	2.14	2.15	2.14	2.78				
Eagle Star *	2.94	3.29	2.83	2.65				
General Accident	2.30	2.35	2.35	2.96				
Guardian	2.16	2.27	2.15	2.67				
Iron Trades Mutual *	2.07	2.17	2.05	2.64				
Legal & General	2.22	2.24	2.38	2.81				
London & Edinburgh	1.92	1.98	1.94	2.54				
Nat. Farmers Union Mutual	2.06	2.09	2.19	2.47				
Nat. Insurance & G'tee	2.05	2.12	2.02	3.49				
Norman *	3.25	3.47	3.04	3.03				
Norwich Union *	2.25	2.34	2.16	2.59				
Pearl	1.94	2.00	1.97	3.78				
Provincial	2.10	2.17	2.10	2.51				
Prudential	2.39	2.49	2.47	2.83				
Royal *	2.18	2.33	2.19	2.31				
Sun Alliance & London	1.86	1.92	1.87	2.48				
Wesleyan & General	2.67	2.72	2.84	2.58				
TOTAL	2.19	2.27	2.24	2.91				
TOTAL at 8% inflation	2.24	2.27	2.30	2.91				
TOTAL of 1991 data	1.85	1.90	2.08	2.70				

\* For these companies separate comp data available.

TABLE 50