

# Annexure G: The potential financial impact of REF on medical schemes

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## **1 Introduction: The potential financial impact of the REF on schemes**

The scheme's risk (Industry community rate less the scheme community rate) was calculated individually for each scheme for December 2005, March 2006 and June 2006 based on the following different contribution tables: Age only, Age and maternity, Full table with all the chronic conditions and combination of the Age and maternity table and the Full table.

The combination table is not a standard published table. The table consists of 90% of the total cost from the Age and maternity table plus 10% of the total cost from the Full table<sup>10</sup>. The sum of the two costs is then divided by the total number of beneficiaries. The 90 / 10 split was selected arbitrarily, as suggested by the international review panel. In Annexure B, Section 2.3.1 on page 4 we have seen that less than 60% of all the schemes have submitted "Fair data" (Category 1, 2 and 3). The idea was to consider the development of a contribution table that could be used in the initial stages of REF and then to gradually increase the weight of the Full risk table until it carries a hundred percent weight. This also was a recommendation from the international review panel.

## **2 Analysis of Financial Impact in December 2005**

One hundred and twenty schemes were included in the analysis. Discontinued schemes or schemes that were not categorised were excluded in the analysis. Basic statistics for each type of contribution table are shown in Table 36 on page 91. The distribution of the schemes and beneficiaries per scheme risk category are shown in Table 37, page 92 Table 38, and page 93 respectively.

The Industry community rate is the highest for the Full Table and, as expected, the standard deviation is the highest for the full table. For the Full table the scheme risk

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<sup>10</sup> The logic of a combination seems fine, but statistically one could argue that the two tables are not independent. More research should be done on a combination table. It is only reported for illustration purposes for this report. The results are reported in more detail for June 2006 than for the two other months.

varies from –R911,97 to R152,55. This means that the highest risk scheme will receive R911,97 per beneficiary from REF and the lowest risk scheme has to pay R152,55 per beneficiary to REF.

**Table 36: Comparison between different contribution tables (December 2005)**

<i>Statistic</i>	<i>Contribution Table (Amount in rand)</i>			
	Age only	Age and Maternity	Full table	Age and Maternity (90%) plus Full table (10%)
<b><i>Industry community rate</i></b>	202,69	203,02	224,69	205,19
<b><i>Minimum risk rate</i></b>	-563,47	-562,90	-911,97	-597,81
<b><i>Maximum risk rate</i></b>	67,71	89,89	152,55	96,16
<b><i>Standard deviation</i></b>	83,28	87,34	144,16	90,68

If the scheme risk is based on the Full table, 62 schemes (51,6%) will make a net contribution to the REF. These 62 schemes represent 4 907 752 (75,91%) beneficiaries in the industry.

For the Age only table, only 52 schemes (43,33%) will make net contributions which corresponds to 4 435 115 (68,59%) beneficiaries in the industry. There are six schemes who will receive more than R150,00 per beneficiary compared to the 15 schemes based on the Full table. The effect of the Full table on the industry is proven more dramatic than the other tables.

Between 19 and 21 schemes will receive R25,00 or less per beneficiary irrespective of the type of contribution table.

Ideally the industry community rates should be the same for the different tables, but in December 2005 not all schemes have applied the REF Entry and Verification rules and that is probably one reason why the Industry community rate is higher for the Full table than for the other tables.

Note that in addition to the fact that the Entry & Verification criteria have been applied inconsistently between schemes, the values in the existing Full table has been established before the effect of the application of the entry and verification criteria was known. All numbers based on the Full table must therefore be treated cautiously.

**Table 37: Frequency distribution of the Number of Schemes versus the Scheme risk in intervals (December 2005)**

<b>Scheme risk</b>	<b>Age only</b>		<b>Age and Maternity</b>		<b>Full table</b>		<b>Age and Maternity (90%) and Full table (10%)</b>	
	Schemes	%	Schemes	%	Schemes	%	Schemes	%
<i>Pay: R0 to R25,00 PBPM</i>	20	16,67	19	15,83	21	17,50	19	15,83
<i>Pay: R25,01 to R50,00 PBPM</i>	23	19,17	20	16,67	11	9,17	18	15,00
<i>Pay: R50,01 to R75,00 PBPM</i>	9	7,50	14	11,67	12	10,00	15	12,50
<i>Pay: R75,01 to R100,00 PBPM</i>	-	-	2	1,67	8	6,67	2	1,67
<i>Pay: R100,01 to R125,00 PBPM</i>	-	-	-	-	6	5,00	-	-
<i>Pay: R125,01 to R150,00 PBPM</i>	-	-	-	-	3	2,50	-	-
<i>Pay: More than R150,00 PBPM</i>	-	-	-	-	1	0,83	-	-
<b>Sub-total</b>	<b>52</b>	<b>43,33</b>	<b>55</b>	<b>45,83</b>	<b>62</b>	<b>51,66</b>	<b>54</b>	<b>45,00</b>
<i>Receive: R0,01 to R25,00 PBPM</i>	22	18,33	18	15,00	11	9,17	19	15,83
<i>Receive: R25,01 to R50,00 PBPM</i>	15	12,50	18	15,00	12	10,00	15	12,50
<i>Receive: R50,01 to R75,00 PBPM</i>	12	10,00	9	7,50	5	4,17	9	7,50
<i>Receive: R75,01 to R100,00 PBPM</i>	8	6,67	8	6,67	7	5,83	11	9,17
<i>Receive: R100,01 to R125,00 PBPM</i>	3	2,50	3	2,50	7	5,83	2	1,67
<i>Receive: R125,01 to R150,00 PBPM</i>	2	1,67	2	1,67	1	0,83	1	0,83
<i>Receive: More than R150,00 PBPM</i>	6	5,00	7	5,83	15	12,50	9	7,50
<b>Total</b>	<b>120</b>	<b>100,00</b>	<b>120</b>	<b>100,00</b>	<b>120</b>	<b>100,00</b>	<b>120</b>	<b>100,00</b>

**Table 38: Frequency distribution of the Number of beneficiaries versus the Scheme risk in intervals (December 2005)**

Scheme risk	Age only		Age and Maternity		Full table		Age and Maternity (90%) and Full table (10%)	
	Beneficiaries	%	Beneficiaries	%	Beneficiaries	%	Beneficiaries	%
Pay: R0 to R25,00 PBPM	2 394 136	37,03	731 732	11,32	2 666 139	41,24	987 634	15,27
Pay: R25,01 to R50,00 PBPM	847 315	13,11	982 981	15,20	961 399	14,87	890 847	13,78
Pay: R50,01 to R75,00 PBPM	1 193 664	18,46	1 137 964	17,60	424 466	6,57	1 175 070	18,17
Pay: R75,01 to R100,00 PBPM	-	-	16 325	0,25	585 710	9,06	16 325	0,25
Pay: R100,01 to R125,00 PBPM	-	-	-	-	158 112	2,45	-	-
Pay: R125,01 to R150,00 PBPM	-	-	-	-	108 768	1,68	-	-
Pay: More than R150,00 PBPM	-	-	-	-	3 158	0,05	-	-
<b>Sub-total</b>	<b>4 435 115</b>	<b>68,59</b>	<b>2 869 002</b>	<b>44,37</b>	<b>4 907 752</b>	<b>75,9</b>	<b>3 069 876</b>	<b>47,48</b>
Receive: R0,01 to R25,00 PBPM	905 690	14,01	2 374 930	36,73	313 104	4,84	2 146 504	33,19
Receive: R25,01 to R50,00 PBPM	417 129	6,45	608 103	9,41	351 354	5,43	559 463	8,65
Receive: R50,01 to R75,00 PBPM	182 484	2,82	98 607	1,53	120 395	1,86	143 778	2,22
Receive: R75,01 to R100,00 PBPM	95 101	1,47	94 310	1,46	175 251	2,71	125 331	1,94
Receive: R100,01 to R125,00 PBPM	23 314	0,36	12 349	0,19	94 864	1,47	11 530	0,18
Receive: R125,01 to R150,00 PBPM	204 188	3,16	204 188	3,16	2 184	0,03	39 220	0,61
Receive: More than R150,00 PBPM	202 421	3,13	203 953	3,15	500 538	7,74	369 740	5,72
<b>Total</b>	<b>646 5442</b>	<b>100,00</b>	<b>646 5442</b>	<b>100,00</b>	<b>646 5442</b>	<b>100,00</b>	<b>6465 442</b>	<b>100,00</b>

### 3 Financial impact in March 2006

One hundred and twenty two schemes were included in the analysis. Discontinued schemes or schemes that were not categorised were excluded in the analysis. Basic statistics for each type of contribution table are shown in Table 39 on page 94. The distribution of the schemes and beneficiaries per scheme risk category are shown in Table 40, page 95 and Table 41, page 96.

The Industry community rate for the Full table is lower in 2006 than in 2005. This drop is probably due the fact that the schemes have started to implement the REF Entry and Verification rules. However, the standard deviation for the Full table is still the highest. For the Full table the scheme risk varies from –R727,63 to R142,78. The standard deviation is the smallest for the Age table.

**Table 39: Comparison between different contribution tables (March 2006)**

<b>Statistic</b>	<b>Contribution Table (Amount in rand)</b>			
	Age only	Age and Maternity	Full table	Age and Maternity (90%) plus Full table (10%)
<b>Industry community rate</b>	222,04	225,47	216,33	224,56
<b>Minimum risk rate</b>	-613,73	-610,17	-727,63	-621,92
<b>Maximum risk rate</b>	73,85	104,23	142,78	108,09
<b>Standard deviation</b>	97,66	98,87	119,53	99,37

Fifty-seven schemes (46,72%) will be net contributors if the scheme risk is based on the Full table. These 57 schemes account for 4 930 074 beneficiaries (72,72%).

For the Age only table, 58 schemes (47,54%) of the schemes will be net contributors which represents 4 782 213 (70,53%) beneficiaries in the industry. There are nine schemes who will receive more than R150,00 per beneficiary as apposed to the 3 schemes based on the Combination table and 11 schemes based on the Full table.

Between 15 to 24 schemes will receive R25,00 or less per beneficiary irrespective of the type of contribution table.

**Table 40: Frequency distribution of the Number of Schemes versus the Scheme risk in intervals (March 2006)**

Scheme risk	Age only		Age and Maternity		Full table		Age and Maternity (90%) and Full table (10%)	
	Schemes	%	Schemes	%	Schemes	%	Schemes	%
Pay: R0 to R25,00 PBPM	24	19,67	23	18,85	15	12,30	23	18,85
Pay: R25,01 to R50,00 PBPM	20	16,39	16	13,11	14	11,48	15	12,30
Pay: R50,01 to R75,00 PBPM	14	11,48	18	14,75	15	12,30	18	14,75
Pay: R75,01 to R100,00 PBPM	-	-	1	0,82	7	5,74	2	1,64
Pay: R100,01 to R125,00 PBPM	-	-	1	0,82	5	4,10	1	0,82
Pay: R125,01 to R150,00 PBPM	-	-	-	-	1	0,82	-	-
Pay: More than R150,00 PBPM	-	-	-	-	-	-	-	-
<b>Sub-total</b>	<b>58</b>	<b>47,54</b>	<b>59</b>	<b>48,36</b>	<b>57</b>	<b>46,72</b>	<b>59</b>	<b>48,36</b>
Receive: R0,01 to R25,00 PBPM	18	14,75	20	16,39	18	14,75	19	15,57
Receive: R25,01 to R50,00 PBPM	13	10,66	11	9,02	11	9,02	10	8,20
Receive: R50,01 to R75,00 PBPM	12	9,84	13	10,66	12	9,84	14	11,48
Receive: R75,01 to R100,00 PBPM	7	5,74	5	4,10	8	6,56	6	4,92
Receive: R100,01 to R125,00 PBPM	4	3,28	3	2,46	5	4,10	4	3,28
Receive: R125,01 to R150,00 PBPM	1	0,82	3	2,46	-	-	1	0,82
Receive: More than R150,00 PBPM	9	7,38	8	6,56	11	9,02	3	7,38
<b>Total</b>	<b>122</b>	<b>100,00</b>	<b>122</b>	<b>100,00</b>	<b>122</b>	<b>100,00</b>	<b>122</b>	<b>100,00</b>

**Table 41: Frequency distribution of the Number of beneficiaries versus the Scheme risk in intervals (March 2006)**

<b>Scheme risk</b>	<b>Age only</b>		<b>Age and Maternity</b>		<b>Full table</b>		<b>Age and Maternity (90%) and Full table (10%)</b>	
	Beneficiaries	%	Beneficiaries	%	Beneficiaries	%	Beneficiaries	%
<i>Pay: R0 to R25,00 PBPM</i>	2 601 570	38,37	856 865	12,63	2 618 826	38,62	676 335	9,97
<i>Pay: R25,01 to R50,00 PBPM</i>	914 372	13,48	767 815	11,32	1 206 524	17,79	763 127	11,25
<i>Pay: R50,01 to R75,00 PBPM</i>	1 266 271	18,67	1 358 097	20,03	654 171	9,64	1 351 790	19,93
<i>Pay: R75,01 to R100,00 PBPM</i>	-	-	13 780	0,20	318 933	4,70	24 775	0,36
<i>Pay: R100,01 to R125,00 PBPM</i>	-	-	2 943	0,04	128 677	1,89	2 943	0,04
<i>Pay: R125,01 to R150,00 PBPM</i>	-	-	-	-	2 943	0,04	-	-
<i>Pay: More than R150,00 PBPM</i>	-	-	-	-	-	-	-	-
<b>Sub-total</b>	<b>4 782 213</b>	<b>70,53</b>	<b>2 999 500</b>	<b>44,24</b>	<b>4 93 074</b>	<b>72,72</b>	<b>2 818 970</b>	<b>41,50</b>
<i>Receive: R0,01 to R25,00 PBPM</i>	757 097	11,16	2 716 957	40,07	692 139	10,20	2 755 432	40,64
<i>Receive: R25,01 to R50,00 PBPM</i>	445 239	6,56	290 560	4,28	192 340	2,83	364 198	5,37
<i>Receive: R50,01 to R75,00 PBPM</i>	266 517	3,93	248 238	3,66	305 697	4,50	303 256	4,47
<i>Receive: R75,01 to R100,00 PBPM</i>	56 843	0,83	55 792	0,82	178 872	2,63	69 191	1,02
<i>Receive: R100,01 to R125,00 PBPM</i>	52 577	0,77	43 735	0,64	48 688	0,71	49 439	0,72
<i>Receive: R125,01 to R150,00 PBPM</i>	5 648	0,08	174 538	2,57	-	-	5 648	0,08
<i>Receive: More than R150,00 PBPM</i>	413 362	6,09	250 176	3,69	431 686	6,36	413 362	6,09
<b>Total</b>	<b>6 779 496</b>	<b>100,00</b>	<b>6 779 496</b>	<b>100,00</b>	<b>6 779 496</b>	<b>100,00</b>	<b>6 779 496</b>	<b>100,0</b>

The two scheme risk categories, Pay: R0 to R25,00 and Receive: R0,01 to R25,00 are in fact very sensitive towards any changes in the scheme rates or industry community rates. With a small change a scheme can move from one category to another (e.g. from a payer to a receiver or vice versa). (See the highlighted cells in Table 41) When we add maternity to age we see a drastic change in the number of beneficiaries in these two categories. The switch can be seen in Table 42 below. There is one large scheme with more than 100 000 beneficiaries that is impacted.

Table 42: Detailed list of scheme risks for March 2006

<i>Scheme number</i>	<i>Category</i>	<i>Number of Beneficiaries</i>	<i>Age only</i>	<i>Age and maternity</i>	<i>Change From Age to Age and Maternity</i>	<i>Full table</i>	<i>Age and Maternity (90%) plus Full table (10%)</i>
1	6	< 5,000	73,85	104,23		142,78	108,09
2	6	10,000 to 30,000	71,23	84,17		91,11	84,87
3	6	10,000 to 30,000	71,07	64,37		99,20	67,86
4	9	60,000 to 100,000	64,27	65,20		104,06	69,08
5	9	100,000 or more	64,22	54,59		91,05	58,24
6	9	100,000 or more	63,95	66,00		64,82	65,88
7	3	100,000 or more	60,06	62,75		43,43	60,82
8	6	100,000 or more	59,79	55,73		68,72	57,03
9	6	100,000 or more	59,68	59,63		69,09	60,57
10	6	10,000 to 30,000	54,10	72,89		108,12	76,42
11	6	< 5,000	52,03	67,64		101,67	71,04
12	6	5,000 to 10,000	51,63	66,22		109,84	70,58
13	3	10,000 to 30,000	51,03	64,04		59,67	63,60
14	2	5,000 to 10,000	50,69	60,47		67,92	61,22
15	6	10,000 to 30,000	49,72	40,01		51,30	41,14
16	6	30,000 to 60,000	47,00	51,57		77,56	54,17
17	9	5,000 to 10,000	46,02	53,02		98,64	57,58
18	6	30,000 to 60,000	44,64	70,27		85,86	71,83
19	6	< 5,000	44,49	47,83		73,46	50,39
20	7	10,000 to 30,000	43,23	46,09		45,41	46,03
21	2	< 5,000	39,68	57,74		62,23	58,18
22	3	60,000 to 100,000	39,49	12,83		26,34	14,18
23	3	10,000 to 30,000	39,06	61,11		57,86	60,78
24	3	10,000 to 30,000	37,95	52,45		51,13	52,32
25	7	< 5,000	37,93	42,44		29,94	41,19
26	2	< 5,000	37,76	47,36		51,59	47,79
27	3	5,000 to 10,000	35,83	18,21		13,09	17,70
28	9	10,000 to 30,000	34,92	44,20		-50,48	34,73
29	3	100,000 or more	34,59	33,06		27,87	32,54
30	3	10,000 to 30,000	34,06	45,70		49,11	46,04
31	3	10,000 to 30,000	33,43	37,95		26,49	36,80
32	3	< 5,000	28,54	46,18		36,85	45,25
33	9	30,000 to 60,000	28,39	36,07		-36,24	28,84
34	4	10,000 to 30,000	27,13	42,08		54,26	43,30
35	3	10,000 to 30,000	23,65	47,73		61,86	49,14
36	2	10,000 to 30,000	23,58	30,44		21,90	29,59
37	9	30,000 to 60,000	23,38	24,84		-8,66	21,49
38	6	10,000 to 30,000	23,38	22,98		37,47	24,42
39	3	30,000 to 60,000	22,14	22,40		15,49	21,71
40	6	10,000 to 30,000	19,03	-6,14	Swing	4,28	-5,10
41	3	< 5,000	19,01	10,46		75,80	17,00
42	3	60,000 to 100,000	17,42	15,73		5,64	14,72
43	3	30,000 to 60,000	17,25	11,44		6,92	10,98
44	6	10,000 to 30,000	15,35	27,78		101,77	35,18
45	7	100,000 or more	12,30	10,19		-19,88	7,19
46	3	10,000 to 30,000	12,26	9,25		20,87	10,41
47	9	< 5,000	10,25	-0,45	Swing	50,38	4,64
48	6	30,000 to 60,000	10,21	19,11		70,62	24,26
49	9	10,000 to 30,000	7,62	31,93		11,52	29,89
50	3	5,000 to 10,000	7,13	10,98		-7,93	9,09
51	9	30,000 to 60,000	6,37	20,79		-16,11	17,10
52	7	10,000 to 30,000	5,00	6,86		-11,16	5,05
53	7	30,000 to 60,000	3,90	3,11		-3,57	2,44
54	9	10,000 to 30,000	3,37	15,33		-18,01	12,00
55	3	100,000 or more	2,60	1,20		-12,85	-0,20
56	5	5,000 to 10,000	1,22	-1,90	Swing	-67,91	-8,50
57	3	< 5,000	0,44	4,78		-0,90	4,21

<b>Scheme number</b>	<b>Category</b>	<b>Number of Beneficiaries</b>	<b>Age only</b>	<b>Age and maternity</b>	<b>Change From Age to Age and Maternity</b>	<b>Full table</b>	<b>Age and Maternity (90%) plus Full table (10%)</b>
58	3	100,000 or more	0,09	-2,03	Swing	5,87	-1,24
59	3	10,000 to 30,000	-9,65	-7,29		-48,63	-11,43
60	2	< 5,000	-10,41	12,23		38,40	14,85
61	3	5,000 to 10,000	-10,73	7,63		41,13	10,98
62	6	10,000 to 30,000	-10,82	-4,65		12,63	-2,92
63	5	30,000 to 60,000	-11,96	-6,68		-7,54	-6,76
64	7	10,000 to 30,000	-12,06	-9,23		-59,09	-14,22
65	3	5,000 to 10,000	-12,67	2,63		-2,49	2,12
66	2	5,000 to 10,000	-13,48	10,51		26,44	12,11
67	7	5,000 to 10,000	-14,33	-6,74		-50,90	-11,15
68	3	100,000 or more	-14,44	-11,64		11,72	-9,30
69	3	10,000 to 30,000	-14,97	-11,46		32,46	-7,06
70	5	100,000 or more	-15,34	-14,25		12,91	-11,53
71	3	10,000 to 30,000	-15,73	2,45		-10,69	1,14
72	2	< 5,000	-18,24	-66,54		-61,95	-66,08
73	3	5,000 to 10,000	-19,96	-28,81		-39,24	-29,85
74	7	100,000 or more	-21,89	-22,56		-60,71	-26,37
75	7	10,000 to 30,000	-22,46	-19,02		-28,73	-19,99
76	6	60,000 to 100,000	-22,97	-54,54		-17,13	-50,80
77	7	5,000 to 10,000	-25,22	-10,75		-18,46	-11,52
78	9	5,000 to 10,000	-25,41	-20,81		-36,68	-22,40
79	3	100,000 or more	-25,88	-23,81		1,74	-21,25
80	7	60,000 to 100,000	-26,00	-22,60		-60,40	-26,38
81	3	5,000 to 10,000	-32,38	-25,61		-24,77	-25,52
82	3	< 5,000	-32,58	-21,52		-26,33	-22,00
83	6	60,000 to 100,000	-33,34	-27,56		5,94	-24,21
84	6	30,000 to 60,000	-33,47	-42,65		31,11	-35,28
85	9	10,000 to 30,000	-40,74	-51,38		-460,98	-92,34
86	3	10,000 to 30,000	-41,15	-24,82		-7,16	-23,05
87	9	5,000 to 10,000	-46,04	-31,94		-60,90	-34,84
88	6	< 5,000	-49,16	-30,91		-5,53	-28,37
89	3	10,000 to 30,000	-49,67	-34,01		-25,78	-33,19
90	9	10,000 to 30,000	-53,20	-54,24		-79,92	-56,81
91	7	60,000 to 100,000	-54,74	-48,40		-98,09	-53,37
92	3	30,000 to 60,000	-55,50	-48,48		-38,84	-47,52
93	3	10,000 to 30,000	-56,12	-57,45		-68,52	-58,56
94	3	5,000 to 10,000	-58,73	-48,47		-65,71	-50,20
95	9	10,000 to 30,000	-59,51	-53,71		-120,60	-60,40
96	2	5,000 to 10,000	-60,06	-64,74		-49,23	-63,18
97	9	< 5,000	-60,12	-52,50		-116,88	-58,94
98	2	< 5,000	-65,59	-45,12		-32,87	-43,89
99	3	30,000 to 60,000	-67,04	-61,37		-81,01	-63,34
100	6	30,000 to 60,000	-67,17	-68,68		-19,83	-63,79
101	3	10,000 to 30,000	-73,16	-65,51		-74,40	-66,40
102	6	5,000 to 10,000	-78,71	-81,94		-41,80	-77,93
103	3	< 5,000	-80,17	-69,44		-63,13	-68,81
104	3	5,000 to 10,000	-80,62	-79,79		-97,43	-81,56
105	3	< 5,000	-83,13	-60,86		-84,02	-63,18
106	3	10,000 to 30,000	-90,41	-82,19		-106,10	-84,58
107	2	5,000 to 10,000	-94,71	-102,86		-111,08	-103,68
108	2	10,000 to 30,000	-97,84	-90,17		-94,99	-90,65
109	3	5,000 to 10,000	-102,34	-95,61		-109,88	-97,04
110	3	< 5,000	-103,46	-104,75		-155,93	-109,87
111	3	30,000 to 60,000	-104,56	-105,34		-95,08	-104,32
112	9	5,000 to 10,000	-121,19	-126,29		14,29	-112,24
113	7	5,000 to 10,000	-129,04	-133,61		-166,45	-136,89
114	9	30,000 to 60,000	-150,67	-152,52		-225,79	-159,84
115	3	100,000 or more	-156,08	-148,50		-202,65	-153,91
116	3	100,000 or more	-161,57	-158,41		-176,64	-160,23

<b>Scheme number</b>	<b>Category</b>	<b>Number of Beneficiaries</b>	<b>Age only</b>	<b>Age and maternity</b>	<b>Change From Age to Age and Maternity</b>	<b>Full table</b>	<b>Age and Maternity (90%) plus Full table (10%)</b>
117	3	< 5,000	-173,85	-165,99		-273,86	-176,78
118	6	< 5,000	-186,95	-160,57		-79,33	-152,45
119	3	< 5,000	-323,24	-324,04		-546,14	-346,25
120	3	< 5,000	-392,77	-399,86		-312,51	-391,13
121	9	< 5,000	-449,40	-443,31		-150,30	-414,01
122	9	< 5,000	-613,73	-610,17		-727,63	-621,92

## 4 Analysis of financial impact on June 2006 data

One hundred and twenty three schemes were included in the analysis. Discontinued schemes or schemes that were not categorised were excluded in the analysis. Basic statistics for each type of contribution table are shown in Table 43 on page 99. The distribution of the schemes and beneficiaries per scheme risk category are shown in Table 44, page 100 and Table 45, page 101.

**Table 43: Comparison between different contribution tables: June 2006**

<b>Statistic</b>	<b>Contribution Table (Amount in rand)</b>			
	Age only	Age and Maternity	Full table	Age and Maternity (90%) plus Full table (10%)
<b>Industry community rate</b>	222,59	222,49	216,03	221,84
<b>Minimum risk rate</b>	-599,40	-598,78	-549,78	-560,74
<b>Maximum risk rate</b>	75,06	95,96	136,44	100,01
<b>Standard deviation</b>	96,39	96,93	95,62	95,09

Fifty-five schemes (44,72%) will be net contributors if the scheme risk is based on the Full table. These 55 schemes characterize 4 636 282 beneficiaries (67,57%) in the industry.

If the Age table was applied, 58 schemes (47,15%) will be net contributors which affects 3 168 422 beneficiaries (46,17%) in the industry.

For the Age only table there are nine schemes who will receive more than R150,00 per beneficiary compared to the 8 schemes based on the Combination table and 12 schemes based on the Full table.

Between 12 to 24 schemes will receive R25,00 or less per beneficiary irrespective of the type of contribution table.

The standard deviation for the four contribution tables is very similar in the June 2006 data. Similarly, the differences between the Industry community rates are much smaller than those observed in the December 2005 data.

**Table 44: Frequency distribution of the Number of Schemes versus the Scheme risk in intervals (June 2006)**

<b>Scheme risk</b>	<b>Age only</b>		<b>Age and Maternity</b>		<b>Full table</b>		<b>Age and Maternity (90%) plus Full table (10%)</b>	
	Schemes	%	Schemes	%	Schemes	%	Schemes	%
<i>Pay: R0 to R25,00 PBPM</i>	23	18,70	24	19,51	12	9,76	24	19,51
<i>Pay: R25,01 to R50,00 PBPM</i>	22	17,89	21	17,07	21	17,07	22	17,89
<i>Pay: R50,01 to R75,00 PBPM</i>	12	9,76	14	11,38	12	9,76	14	11,38
<i>Pay: R75,01 to R100,00 PBPM</i>	1	0,81	2	1,63	6	4,88	1	0,81
<i>Pay: R100,01 to R125,00 PBPM</i>	-	-	-	-	3	2,44	1	0,81
<i>Pay: R125,01 to R150,00 PBPM</i>	-	-	-	-	1	0,81	-	-
<i>Pay: More than R150,00 PBPM</i>	-	-	-	-	-	-	-	-
<b>Sub-total</b>	<b>58</b>	<b>47,15</b>	<b>61</b>	<b>49,59</b>	<b>55</b>	<b>44,72</b>	<b>62</b>	<b>50,41</b>
<i>Receive: R0,01 to R25,00 PBPM</i>	21	17,07	16	13,01	21	17,07	16	13,01
<i>Receive: R25,01 to R50,00 PBPM</i>	11	8,94	13	10,57	15	12,20	12	9,76
<i>Receive: R50,01 to R75,00 PBPM</i>	12	9,76	14	11,38	4	3,25	14	11,38
<i>Receive: R75,01 to R100,00 PBPM</i>	7	5,69	5	4,07	9	7,32	4	3,25
<i>Receive: R100,01 to R125,00 PBPM</i>	3	2,44	3	2,44	7	5,69	5	4,07
<i>Receive: R125,01 to R150,00 PBPM</i>	2	1,63	4	3,25	-	-	2	1,63
<i>Receive: More than R150,00 PBPM</i>	9	7,32	7	5,69	12	9,76	8	6,5
<b>Total</b>	<b>123</b>	<b>100,00</b>	<b>123</b>	<b>100,00</b>		<b>100,00</b>	<b>123</b>	<b>100,00</b>

**Table 45: Frequency distribution of the Number of beneficiaries versus the Scheme risk in intervals (June 2006)**

<i>Scheme risk</i>	<i>Age only</i>		<i>Age and Maternity</i>		<i>Full table</i>		<i>Age and Maternity (90%) plus Full table (10%)</i>	
	Beneficiaries	%	Beneficiaries	%	Beneficiaries	%	Beneficiaries	%
<i>Pay: R0 to R25,00 PBPM</i>	950 905	13,85	988 838	14,41	2 106 700	30,70	944 615	13,76
<i>Pay: R25,01 to R50,00 PBPM</i>	978 640	14,26	1 246 829	18,17	1 607 450	23,42	1 296 156	18,89
<i>Pay: R50,01 to R75,00 PBPM</i>	1 235 744	18,01	957 875	13,96	600 127	8,74	957 875	13,96
<i>Pay: R75,01 to R100,00 PBPM</i>	3 133	0,04	17 332	0,25	281 699	4,10	14 199	0,20
<i>Pay: R100,01 to R125,00 PBPM</i>	-	-	-	-	37 173	0,54	3 133	0,04
<i>Pay: R125,01 to R150,00 PBPM</i>	-	-	-	-	3 133	0,04	-	-
<i>Pay: More than R150,00 PBPM</i>	-	-	-	-	-	-	-	-
<b>Sub-total</b>	<b>3 168 422</b>	<b>46,17</b>	<b>3 219 874</b>	<b>47,00</b>	<b>4 636 282</b>	<b>67,57</b>	<b>3 215 978</b>	<b>46,87</b>
<i>Receive: R0,01 to R25,00 PBPM</i>	2 606 359	37,98	2 320 211	33,81	1 008 882	14,70	2 454 713	35,77
<i>Receive: R25,01 to R50,00 PBPM</i>	286 269	4,17	547 678	7,98	286 271	4,17	433 828	6,32
<i>Receive: R50,01 to R75,00 PBPM</i>	269 312	3,92	255 804	3,72	124 681	1,81	230 048	3,35
<i>Receive: R75,01 to R100,00 PBPM</i>	62 483	0,91	55 270	0,80	216 769	3,15	52 297	0,76
<i>Receive: R100,01 to R125,00 PBPM</i>	46 670	0,68	49 678	0,72	106 804	1,55	56 851	0,82
<i>Receive: R125,01 to R150,00 PBPM</i>	10 908	0,15	177 398	2,58	-	-	10 908	0,15
<i>Receive: More than R150,00 PBPM</i>	410 845	5,98	244 355	3,56	481 579	7,01	406 645	5,92
<b>Total</b>	<b>6 861 268</b>	<b>100,00</b>	<b>6 831 268</b>	<b>100,00</b>	<b>6 861 268</b>	<b>100,00</b>	<b>6861268</b>	<b>100,00</b>

Figure 47, page 102 up to Figure 50 on page 103, illustrate the dramatic variation in scheme risk regardless of which of the four contribution tables are applied. The four profiles look similar and support the results shown in Table 43 on page 99. The Scheme risk and Category for June 2006 data is represented in Table 46 (page 104) up to Table 49 on page 108 for each of the respective contribution tables.

Figure 47: Scheme risk based on Age only (June 2006)

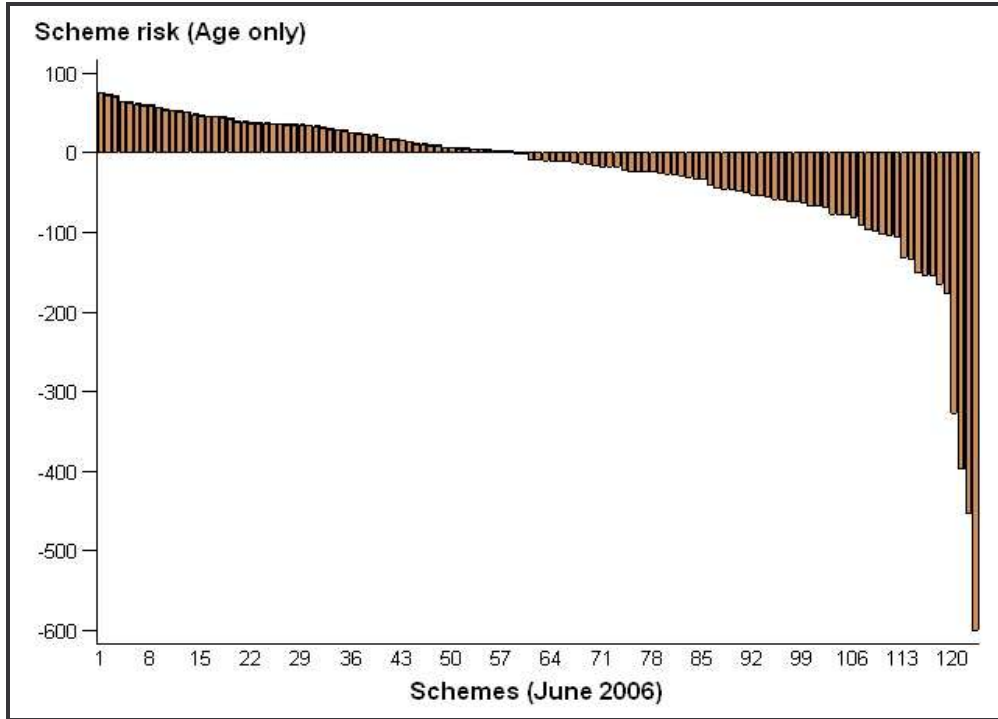


Figure 48: Scheme risk based on Age and maternity (June 2006)

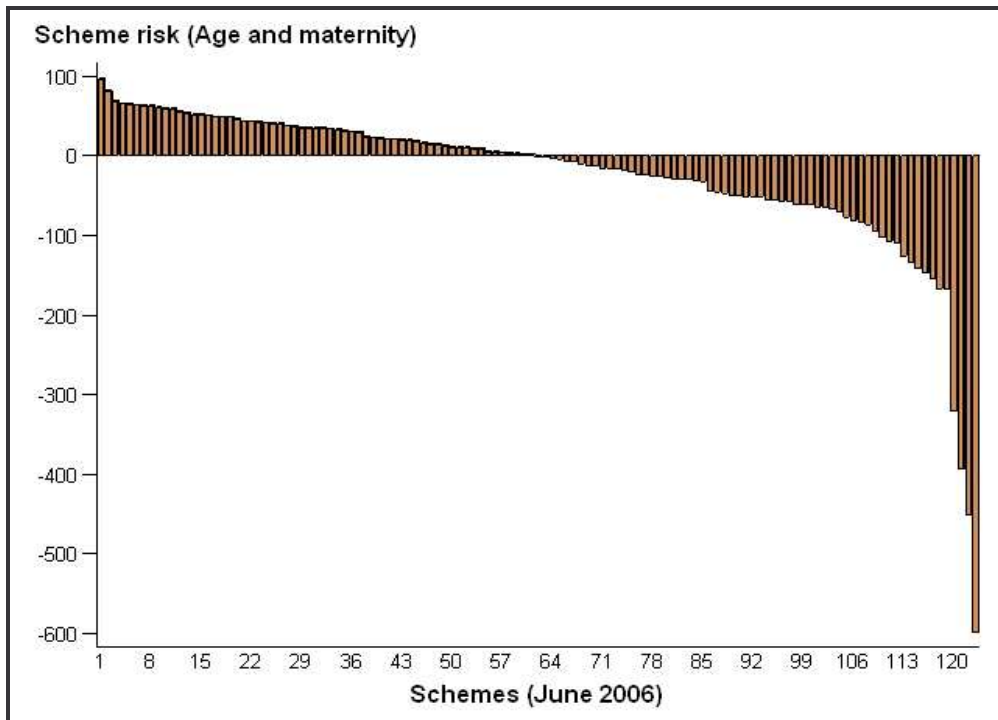


Figure 49: Scheme risk based on the Full table (June 2006)

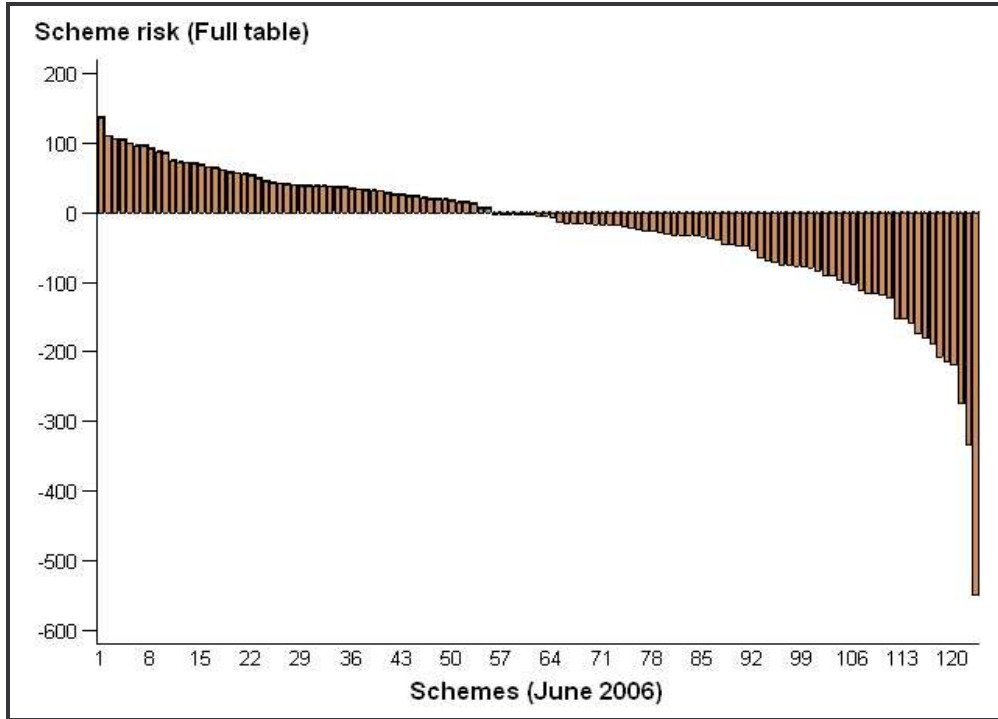
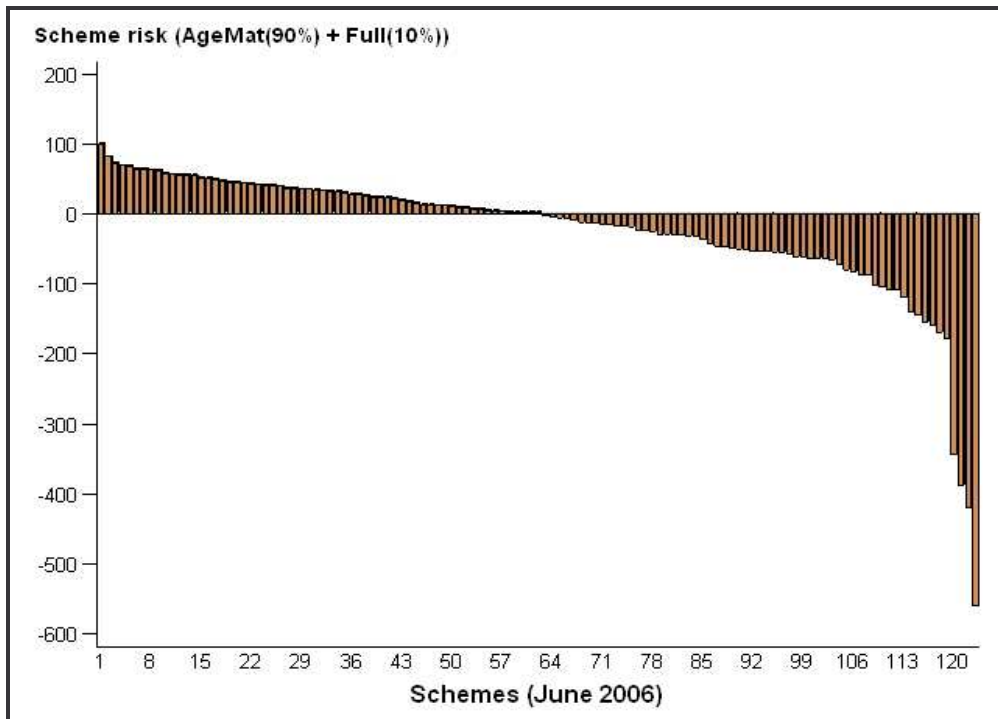


Figure 50: Scheme risk based Age and maternity (90%) and the Full table (10%) (June 2006)



**Table 46: Scheme risk versus Category for the Age only table**

<b>Age only</b>								
<b>Scheme risk</b>	<b>Category</b>							<b>Total</b>
<i>Frequency Percent Row Pct Col Pct</i>	2	3	4	5	6	7	9	
<i>Pay: R0 to R25,00 PBPM</i>	2 1,63 8,70 18,1 8	9 7,32 39,13 16,36	0 0,00 0,00 0,00	1 0,81 4,35 33,33	5 4,07 21,74 20,83	3 2,44 13,04 17,65	3 2,44 13,04 25,00	23 18,70
<i>Pay: R25,01 to R50,00 PBPM</i>	2 1,63 9,09 18,1 8	8 6,50 36,36 14,55	0 0,00 0,00 0,00	0 0,00 0,00 0,00	4 3,25 18,18 16,67	3 2,44 13,64 17,65	5 4,07 22,73 41,67	22 17,89
<i>Pay: R50,01 to R75,00 PBPM</i>	0 0,00 0,00 0,00	4 3,25 33,33 7,27	0 0,00 0,00 0,00	0 0,00 0,00 0,00	7 5,69 58,33 29,17	0 0,00 0,00 0,00	1 0,81 8,33 8,33	12 9,76
<i>Pay: R75,01 to R100,00 PBPM</i>	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	1 0,81 100,0 0 4,17	0 0,00 0,00 0,00	0 0,00 0,00 0,00	1 0,81
<i>Receive: R0,01 to R25,00 PBPM</i>	4 3,25 19,0 5 36,3 6	10 8,13 47,62 18,18	0 0,00 0,00 0,00	1 0,81 4,76 33,33	2 1,63 9,52 8,33	4 3,25 19,05 23,53	0 0,00 0,00 0,00	21 17,07
<i>Receive: R25,01 to R50,00 PBPM</i>	0 0,00 0,00 0,00	5 4,07 45,45 9,09	0 0,00 0,00 0,00	0 0,00 0,00 0,00	2 1,63 18,18 8,33	3 2,44 27,27 17,65	1 0,81 9,09 8,33	11 8,94
<i>Receive: R50,01 to R75,00 PBPM</i>	1 0,81 8,33 9,09	6 4,88 50,00 10,91	0 0,00 0,00 0,00	0 0,00 0,00 0,00	2 1,63 16,67 8,33	3 2,44 25,00 17,65	0 0,00 0,00 0,00	12 9,76
<i>Receive: R75,01 to R100,00 PBPM</i>	2 1,63 28,5 7 18,1 8	4 3,25 57,14 7,27	1 0,81 14,29 100,0 0	0 0,00 0,00 0,00 0,00	0 0,00 0,00 0,00 0,00	0 0,00 0,00 0,00 0,00	0 0,00 0,00 0,00 0,00	7 5,69
<i>Receive: R100,01 to R125,00 PBPM</i>	0 0,00 0,00 0,00	3 2,44 100,0 0 5,45	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	3 2,44
<i>Receive: R125,01 to R150,00 PBPM</i>	0 0,00 0,00 0,00	1 0,81 50,00 1,82	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	1 0,81 50,00 5,88	0 0,00 0,00 0,00	2 1,63
<i>Receive: More than R150,00 PBPM</i>	0 0,00 0,00 0,00	5 4,07 55,56 9,09	0 0,00 0,00 0,00	1 0,81 11,11 33,33	1 0,81 11,11 4,17	0 0,00 0,00 0,00	2 1,63 22,22 16,67	9 7,32
<b>Total</b>	<b>11 8,94</b>	<b>55 44,72</b>	<b>1 0,81</b>	<b>3 2,44</b>	<b>24 19,51</b>	<b>17 13,82</b>	<b>12 9,76</b>	<b>123 100,00</b>

Of the 11 Category 2 schemes, seven will receive money from REF. In addition, 17 of the 24 Category 6 schemes will have to pay money into REF and 11 of the 17 Category 7 schemes will receive money from REF.

**Table 47: Scheme risk versus Category for the Age and maternity table**

<b>Age and maternity</b>								
<b>Scheme risk</b>	<b>Category</b>							<b>Total</b>
<i>Frequency Percent Row Pct Col Pct</i>	2	3	4	5	6	7	9	
<i>Pay: R0 to R25,00 PBPM</i>	2 1,63 8,33 18,18	11 8,94 45,83 20,00	0 0,00 0,00 0,00	1 0,81 4,17 33,33	3 2,44 12,50 12,50	4 3,25 16,67 23,53	3 2,44 12,50 25,00	24 19,51
<i>Pay: R25,01 to R50,00 PBPM</i>	2 1,63 9,52 18,18	10 8,13 47,62 18,18	0 0,00 0,00 0,00	0 0,00 0,00 0,00	4 3,25 19,05 16,67	2 1,63 9,52 11,76	3 2,44 14,29 25,00	21 17,07
<i>Pay: R50,01 to R75,00 PBPM</i>	1 0,81 7,14 9,09	2 1,63 14,29 3,64	0 0,00 0,00 0,00	0 0,00 0,00 0,00	8 6,50 57,14 33,33	1 0,81 7,14 5,88	2 1,63 14,29 16,67	14 11,38
<i>Pay: R75,01 to R100,00 PBPM</i>	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	2 1,63 100,0 0 8,33	0 0,00 0,00 0,00	0 0,00 0,00 0,00	2 1,63
<i>Receive: R0,01 to R25,00 PBPM</i>	3 2,44 18,75 27,27	7 5,69 43,75 12,73	0 0,00 0,00 0,00	1 0,81 6,25 33,33	2 1,63 12,50 8,33	2 1,63 12,50 11,76	1 0,81 6,25 8,33	16 13,01
<i>Receive: R25,01 to R50,00 PBPM</i>	0 0,00 0,00 0,00	7 5,69 53,85 12,73	0 0,00 0,00 0,00	0 0,00 0,00 0,00	1 0,81 7,69 4,17	4 3,25 30,77 23,53	1 0,81 7,69 8,33	13 10,57
<i>Receive: R50,01 to R75,00 PBPM</i>	1 0,81 7,14 9,09	7 5,69 50,00 12,73	0 0,00 0,00 0,00	0 0,00 0,00 0,00	3 2,44 21,43 12,50	3 2,44 21,43 17,65	0 0,00 0,00 0,00	14 11,38
<i>Receive: R75,01 to R100,00 PBPM</i>	1 0,81 20,00 9,09	3 2,44 60,00 5,45	1 0,81 20,00 100,0 0	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	5 4,07
<i>Receive: R100,01 to R125,00 PBPM</i>	1 0,81 33,33 9,09	2 1,63 66,67 3,64	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	3 2,44
<i>Receive: R125,01 to R150,00 PBPM</i>	0 0,00 0,00 0,00	2 1,63 50,00 3,64	0 0,00 0,00 0,00	0 0,00 0,00 0,00	1 0,81 25,00 4,17	1 0,81 25,00 5,88	0 0,00 0,00 0,00	4 3,25
<i>Receive: More than R150,00 PBPM</i>	0 0,00 0,00 0,00	4 3,25 57,14 7,27	0 0,00 0,00 0,00	1 0,81 14,29 33,33	0 0,00 0,00 0,00	0 0,00 0,00 0,00	2 1,63 28,57 16,67	7 5,69
<b>Total</b>	<b>11 8,94</b>	<b>55 44,72</b>	<b>1 0,81</b>	<b>3 2,44</b>	<b>24 19,51</b>	<b>17 13,82</b>	<b>12 9,76</b>	<b>123 100,00</b>

6 of the 11 Category 2 schemes will receive money from REF. 17 of the 24 Category 6 schemes will have to pay money into REF. 10 of the 17 Category 7 schemes will receive money from REF.

**Table 48: Scheme risk versus Category for the Full table**

<i>Full table</i>								
<i>Scheme risk</i>	<i>Category</i>							<i>Total</i>
<i>Frequency Percent Row Pct Col Pct</i>	2	3	4	5	6	7	9	
<i>Pay: R0 to R25,00 PBPM</i>	5 4,07 41,67 45,45	4 3,25 33,33 7,27	0 0,00 0,00 0,00	0 0,00 0,00 0,00	2 1,63 16,67 8,33	1 0,81 8,33 5,88	0 0,00 0,00 0,00	12 9,76
<i>Pay: R25,01 to R50,00 PBPM</i>	1 0,81 4,76 9,09	12 9,76 57,14 21,82	0 0,00 0,00 0,00	0 0,00 0,00 0,00	3 2,44 14,29 12,50	2 1,63 9,52 11,76	3 2,44 14,29 25,00	21 17,07
<i>Pay: R50,01 to R75,00 PBPM</i>	1 0,81 8,33 9,09	3 2,44 25,00 5,45	0 0,00 0,00 0,00	0 0,00 0,00 0,00	8 6,50 66,67 33,33	0 0,00 0,00 0,00	0 0,00 0,00 0,00	12 9,76
<i>Pay: R75,01 to R100,00 PBPM</i>	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	4 3,25 66,67 16,67	0 0,00 0,00 0,00	2 1,63 33,33 16,67	6 4,88
<i>Pay: R100,01 to R125,00 PBPM</i>	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	3 2,44 100,0 0 12,50	0 0,00 0,00 0,00	0 0,00 0,00 0,00	3 2,44
<i>Pay: R125,01 to R150,00 PBPM</i>	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	1 0,81 100,0 0 4,17	0 0,00 0,00 0,00	0 0,00 0,00 0,00	1 0,81
<i>Receive: R0,01 to R25,00 PBPM</i>	1 0,81 4,76 9,09	14 11,38 66,67 25,45	0 0,00 0,00 0,00	1 0,81 4,76 33,33	1 0,81 4,76 4,17	3 2,44 14,29 17,65	1 0,81 4,76 8,33	21 17,07
<i>Receive: R25,01 to R50,00 PBPM</i>	1 0,81 6,67 9,09	7 5,69 46,67 12,73	0 0,00 0,00 0,00	1 0,81 6,67 33,33	1 0,81 6,67 4,17	2 1,63 13,33 11,76	3 2,44 20,00 25,00	15 12,20
<i>Receive: R50,01 to R75,00 PBPM</i>	0 0,00 0,00 0,00	1 0,81 25,00 1,82	0 0,00 0,00 0,00	0 0,00 0,00 0,00	1 0,81 25,00 4,17	2 1,63 50,00 11,76	0 0,00 0,00 0,00	4 3,25
<i>Receive: R75,01 to R100,00 PBPM</i>	1 0,81 11,11 9,09	3 2,44 33,33 5,45	1 0,81 11,11 100,0 0	0 0,00 0,00 0,00	0 0,00 0,00 0,00	4 3,25 44,44 23,53	0 0,00 0,00 0,00	9 7,32
<i>Receive: R100,01 to R125,00 PBPM</i>	1 0,81 14,29 9,09	4 3,25 57,14 7,27	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	1 0,81 14,29 5,88	1 0,81 14,29 8,33	7 5,69
<i>Receive: More than R150,00 PBPM</i>	0 0,00 0,00 0,00	7 5,69 58,33 12,73	0 0,00 0,00 0,00	1 0,81 8,33 33,33	0 0,00 0,00 0,00	2 1,63 16,67 11,76	2 1,63 16,67 16,67	12 9,76
<b>Total</b>	<b>11 8,94</b>	<b>55 44,72</b>	<b>1 0,81</b>	<b>3 2,44</b>	<b>24 19,51</b>	<b>17 13,82</b>	<b>12 9,76</b>	<b>123 100,00</b>

Four of the eleven (36,36%) Category 2 schemes will receive money from REF. Twenty one of the twenty-four (87,5%) Category 6 schemes will have to pay money into REF. Fourteen of the seventeen (82,35%) Category 7 schemes will receive money from REF.

**Table 49: Scheme risk versus Category for the Combination table**

<b>Combination table</b>								
<b>Scheme risk</b>	<b>Category</b>							<b>Total</b>
<i>Frequency Percent Row Pct Col Pct</i>	2	3	4	5	6	7	9	
<i>Pay: R0 to R25,00 PBPM</i>	2 1,63 8,33 18,18	12 9,76 50,00 21,82	0 0,00 0,00 0,00	1 0,81 4,17 33,33	3 2,44 12,50 12,50	3 2,44 12,50 17,65	3 2,44 12,50 25,00	24 19,51
<i>Pay: R25,01 to R50,00 PBPM</i>	2 1,63 9,09 18,18	10 8,13 45,45 18,18	0 0,00 0,00 0,00	0 0,00 0,00 0,00	5 4,07 22,73 20,83	2 1,63 9,09 11,76	3 2,44 13,64 25,00	22 17,89
<i>Pay: R50,01 to R75,00 PBPM</i>	1 0,81 7,14 9,09	2 1,63 14,29 3,64	0 0,00 0,00 0,00	0 0,00 0,00 0,00	8 6,50 57,14 33,33	1 0,81 7,14 5,88	2 1,63 14,29 16,67	14 11,38
<i>Pay: R75,01 to R100,00 PBPM</i>	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	1 0,81 100,0 0 4,17	0 0,00 0,00 0,00	0 0,00 0,00 0,00	1 0,81
<i>Pay: R100,01 to R125,00 PBPM</i>	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	1 0,81 100,0 0 4,17	0 0,00 0,00 0,00	0 0,00 0,00 0,00	1 0,81
<i>Receive: R0,01 to R25,00 PBPM</i>	3 2,44 18,75 27,27	7 5,69 43,75 12,73	0 0,00 0,00 0,00	1 0,81 6,25 33,33	1 0,81 6,25 4,17	3 2,44 18,75 17,65	1 0,81 6,25 8,33	16 13,01
<i>Receive: R25,01 to R50,00 PBPM</i>	0 0,00 0,00 0,00	6 4,88 50,00 10,91	0 0,00 0,00 0,00	0 0,00 0,00 0,00	2 1,63 16,67 8,33	4 3,25 33,33 23,53	0 0,00 0,00 0,00	12 9,76
<i>Receive: R50,01 to R75,00 PBPM</i>	1 0,81 7,14 9,09	7 5,69 50,00 12,73	0 0,00 0,00 0,00	0 0,00 0,00 0,00	2 1,63 14,29 8,33	3 2,44 21,43 17,65	1 0,81 7,14 8,33	14 11,38
<i>Receive: R75,01 to R100,00 PBPM</i>	1 0,81 25,00 9,09	2 1,63 50,00 3,64	1 0,81 25,00 100,0 0	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	4 3,25
<i>Receive: R100,01 to R125,00 PBPM</i>	1 0,81 20,00 9,09	3 2,44 60,00 5,45	0 0,00 0,00 0,00	0 0,00 0,00 0,00	1 0,81 20,00 4,17	0 0,00 0,00 0,00	0 0,00 0,00 0,00	5 4,07
<i>Receive: R125,01 to R150,00 PBPM</i>	0 0,00 0,00 0,00	1 0,81 50,00 1,82	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	1 0,81 50,00 5,88	0 0,00 0,00 0,00	2 1,63
<i>Receive: More than R150,00 PBPM</i>	0 0,00 0,00 0,00	5 4,07 62,50 9,09	0 0,00 0,00 0,00	1 0,81 12,50 33,33	0 0,00 0,00 0,00	0 0,00 0,00 0,00	2 1,63 25,00 16,67	8 6,50
<i>Total</i>	11 8,94	55 44,72	1 0,81	3 2,44	24 19,51	17 13,82	12 9,76	123 100,00

Six of the eleven Category 2 schemes will receive money from REF. Eighteen of the twenty-four Category 6 schemes will have to pay money into REF. Eleven of the seventeen Category 7 schemes will receive money from REF.

Table 50 below indicates in detail the Category, the number of beneficiaries and each scheme's risk for each of the different contribution tables. The information is sorted accordingly to the Age amount. Negative amounts indicate the amounts that high-risk schemes would receive from the REF.

Table 50: Detailed list of scheme risks for June 2006

<i>Scheme number</i>	<i>Category</i>	<i>Number of Beneficiaries</i>	<i>Age only</i>	<i>Age and maternity</i>	<i>Full table</i>	<i>Age and Maternity (90%) plus Full table (10%)</i>
1	6	< 5,000	75,06	95,96	136,44	100,01
2	6	10,000 to 30,000	72,28	65,66	105,40	69,64
3	6	10,000 to 30,000	69,99	81,42	91,84	82,46
4	6	100,000 or more	63,71	62,62	86,81	65,04
5	3	100,000 or more	62,49	43,11	52,99	44,10
6	9	60,000 to 100,000	61,13	58,96	95,73	62,64
7	3	100,000 or more	59,51	60,36	38,11	58,14
8	6	100,000 or more	58,57	63,77	74,09	64,81
9	3	100,000 or more	56,35	48,94	39,07	47,96
10	6	10,000 to 30,000	53,69	68,92	104,53	72,48
11	6	< 5,000	52,33	53,35	85,56	56,57
12	6	5,000 to 10,000	51,54	64,37	109,29	68,86
13	3	5,000 to 10,000	50,40	48,56	57,82	49,49
14	6	10,000 to 30,000	47,51	40,36	63,36	42,66
15	3	10,000 to 30,000	45,99	50,80	55,37	51,26
16	6	30,000 to 60,000	45,12	42,90	70,45	45,66
17	6	30,000 to 60,000	44,93	51,31	60,59	52,24
18	3	< 5,000	43,51	40,28	48,82	41,14
19	7	10,000 to 30,000	42,55	48,93	18,12	45,85
20	3	10,000 to 30,000	38,61	32,54	35,59	32,84
21	9	60,000 to 100,000	38,54	22,53	38,04	24,08
22	9	10,000 to 30,000	37,24	46,00	-48,15	36,58
23	7	< 5,000	36,66	58,81	41,59	57,09
24	2	< 5,000	36,45	62,38	71,05	63,24
25	2	< 5,000	35,79	34,37	44,79	35,41
26	9	5,000 to 10,000	35,53	51,38	95,84	55,83
27	3	10,000 to 30,000	35,14	42,69	37,09	42,13
28	7	10,000 to 30,000	34,56	41,30	27,83	39,95
29	3	100,000 or more	34,34	37,69	31,28	37,05
30	6	10,000 to 30,000	33,84	54,96	56,37	55,10
31	3	5,000 to 10,000	32,88	8,93	-3,09	7,73
32	3	10,000 to 30,000	30,95	36,73	25,84	35,65
33	9	30,000 to 60,000	29,34	34,45	25,77	33,58
34	9	30,000 to 60,000	28,32	34,61	-32,44	27,91
35	3	< 5,000	26,66	29,37	19,27	28,36
36	2	10,000 to 30,000	24,29	33,76	20,83	32,47
37	6	10,000 to 30,000	23,16	22,95	32,35	23,89
38	3	10,000 to 30,000	22,58	18,03	37,39	19,96
39	3	30,000 to 60,000	21,42	31,27	22,95	30,44
40	6	10,000 to 30,000	18,70	29,79	71,42	33,95
41	3	60,000 to 100,000	17,10	20,59	-4,69	18,06
42	3	30,000 to 60,000	16,48	14,35	5,82	13,49
43	3	10,000 to 30,000	15,05	20,18	34,35	21,60
44	6	10,000 to 30,000	13,43	9,97	64,36	15,41
45	6	30,000 to 60,000	11,03	20,81	67,43	25,47
46	3	10,000 to 30,000	10,79	22,17	37,77	23,73
47	7	100,000 or more	9,08	4,65	-17,14	2,47
48	7	10,000 to 30,000	8,56	10,83	-6,87	9,06
49	9	30,000 to 60,000	5,95	13,83	-27,08	9,74
50	9	< 5,000	5,69	-23,68	31,17	-18,19
51	7	30,000 to 60,000	5,37	8,66	-0,34	7,76
52	3	< 5,000	4,83	12,44	-1,13	11,08
53	2	10,000 to 30,000	4,00	2,46	-3,47	1,86
54	9	10,000 to 30,000	3,67	15,97	-20,00	12,37
55	3	100,000 or more	2,63	1,99	-14,95	0,30
56	3	100,000 or more	2,24	9,90	40,87	12,99
57	6	10,000 to 30,000	1,47	35,06	98,57	41,41
58	5	5,000 to 10,000	0,05	19,24	-47,92	12,52

<b>Scheme number</b>	<b>Category</b>	<b>Number of Beneficiaries</b>	<b>Age only</b>	<b>Age and maternity</b>	<b>Full table</b>	<b>Age and Maternity (90%) plus Full table (10%)</b>
59	2	100,000 or more	-0,36	-1,94	12,86	-0,46
60	3	< 5,000	-0,87	4,49	-1,43	3,90
61	7	10,000 to 30,000	-9,38	1,57	-46,07	-3,20
62	3	5,000 to 10,000	-9,40	-1,00	30,49	2,15
63	2	< 5,000	-9,53	-15,58	16,45	-12,38
64	3	5,000 to 10,000	-10,68	-6,89	-4,59	-6,66
65	3	10,000 to 30,000	-10,80	2,84	23,50	4,91
66	5	30,000 to 60,000	-11,18	-10,09	-23,44	-11,43
67	6	10,000 to 30,000	-11,93	-3,51	36,07	0,45
68	3	100,000 or more	-13,19	-15,85	-0,52	-14,32
69	2	5,000 to 10,000	-14,27	-6,30	6,21	-5,05
70	3	10,000 to 30,000	-16,77	-13,12	-32,45	-15,06
71	3	10,000 to 30,000	-16,98	-12,52	-15,32	-12,80
72	2	< 5,000	-16,98	3,92	14,75	5,00
73	7	5,000 to 10,000	-17,11	-4,23	-46,54	-8,46
74	3	5,000 to 10,000	-20,89	-29,71	-31,98	-29,94
75	7	10,000 to 30,000	-23,06	-16,31	-83,16	-23,00
76	7	100,000 or more	-23,43	-27,03	-78,86	-32,21
77	3	5,000 to 10,000	-23,86	-22,62	-18,77	-22,24
78	6	60,000 to 100,000	-23,92	-20,21	14,39	-16,75
79	3	100,000 or more	-24,59	-25,84	-14,63	-24,72
80	7	60,000 to 100,000	-26,55	-25,37	-69,02	-29,73
81	3	5,000 to 10,000	-26,60	-29,86	-13,99	-28,27
82	3	< 5,000	-28,68	-31,80	-26,71	-31,29
83	3	60,000 to 100,000	-30,44	-29,49	-21,69	-28,71
84	3	5,000 to 10,000	-31,83	-17,54	-15,90	-17,38
85	6	30,000 to 60,000	-33,31	-57,38	19,39	-49,70
86	9	10,000 to 30,000	-39,77	-46,89	-118,76	-54,08
87	7	10,000 to 30,000	-44,11	-31,92	-65,72	-35,30
88	3	10,000 to 30,000	-45,48	-48,72	-16,80	-45,53
89	7	5,000 to 10,000	-46,13	-43,47	-75,86	-46,71
90	6	< 5,000	-47,40	-44,92	-17,57	-42,19
91	3	30,000 to 60,000	-50,30	-49,77	-36,50	-48,44
92	7	10,000 to 30,000	-52,55	-50,90	-116,04	-57,42
93	7	60,000 to 100,000	-54,01	-50,71	-158,47	-61,48
94	7	10,000 to 30,000	-55,84	-60,71	-90,58	-63,69
95	3	< 5,000	-57,95	-64,59	-27,50	-60,89
96	3	5,000 to 10,000	-59,75	-50,77	-77,56	-53,45
97	2	5,000 to 10,000	-61,04	-55,19	-38,76	-53,55
98	3	10,000 to 30,000	-61,10	-57,06	-34,10	-54,76
99	3	< 5,000	-63,43	-55,84	-32,79	-53,54
100	3	30,000 to 60,000	-66,47	-63,77	-76,53	-65,05
101	6	5,000 to 10,000	-66,69	-61,28	40,00	-51,16
102	6	30,000 to 60,000	-67,50	-66,91	-30,99	-63,32
103	4	10,000 to 30,000	-76,64	-80,76	-90,51	-81,73
104	3	< 5,000	-78,34	-61,58	-75,44	-62,97
105	3	5,000 to 10,000	-78,43	-83,58	-112,19	-86,44
106	3	< 5,000	-81,18	-70,80	-70,83	-70,80
107	3	10,000 to 30,000	-90,19	-76,82	-100,78	-79,22
108	2	10,000 to 30,000	-96,49	-86,02	-96,88	-87,11
109	2	5,000 to 10,000	-97,64	-107,24	-123,24	-108,84
110	3	< 5,000	-102,68	-94,62	-152,66	-100,43
111	3	30,000 to 60,000	-103,64	-108,76	-103,11	-108,19
112	3	5,000 to 10,000	-104,77	-101,76	-115,95	-103,18
113	3	5,000 to 10,000	-131,16	-134,06	-180,62	-138,72
114	7	5,000 to 10,000	-134,27	-140,97	-174,09	-144,29
115	9	30,000 to 60,000	-150,95	-153,74	-207,38	-159,11
116	6	< 5,000	-153,14	-125,89	-53,95	-118,70
117	3	100,000 or more	-153,60	-147,16	-214,05	-153,85
118	3	100,000 or more	-164,82	-166,89	-187,76	-168,98

<i>Scheme number</i>	<i>Category</i>	<i>Number of Beneficiaries</i>	<i>Age only</i>	<i>Age and maternity</i>	<i>Full table</i>	<i>Age and Maternity (90%) plus Full table (10%)</i>
<b>119</b>	3	< 5,000	-177,34	-167,42	-274,03	-178,08
<b>120</b>	3	< 5,000	-326,95	-320,23	-549,78	-343,19
<b>121</b>	3	< 5,000	-397,13	-393,33	-334,02	-387,40
<b>122</b>	9	< 5,000	-452,70	-450,11	-151,98	-420,30
<b>123</b>	5	< 5,000	-599,40	-598,78	-218,44	-560,74

**Table 51: Age only: Scheme risk and Category versus number of beneficiaries (June 2006)**

<b>Scheme risk (Age only)</b>	<b>Number of beneficiaries</b>							<b>Total</b>
	<b>Category</b>							
<i>Frequency Percent Row Pct Col Pct</i>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>9</b>	
<i>Pay: R0 to R25,00 PBPM</i>	29594	59 6672	0	6 711	115 759	151 438	50 731	950 905
	0,43	8,70	0,00	0,10	1,69	2,21	0,74	13,86
	3,11	62,75	0,00	0,71	12,17	15,93	5,34	
	1,56	19,03	0,00	13,76	14,34	26,50	13,23	
<i>Pay: R25,01 to R50,00 PBPM</i>	6382	651466	0	0	102 208	34 097	184 487	978 640
	0,09	9,49	0,00	0,00	1,49	0,50	2,69	14,26
	0,65	66,57	0,00	0,00	10,44	3,48	18,85	
	0,34	20,78	0,00	0,00	12,66	5,97	48,13	
<i>Pay: R50,01 to R75,00 PBPM</i>	0	757906	0	0	384 095	0	93 743	1 235
	0,00	11,05	0,00	0,00	5,60	0,00	1,37	744
	0,00	61,33	0,00	0,00	31,08	0,00	7,59	18,01
	0,00	24,17	0,00	0,00	47,59	0,00	24,46	
<i>Pay: R75,01 to R100,00 PBPM</i>	0	0	0	0	3133	0	0	3 133
	0,00	0,00	0,00	0,00	0,05	0,00	0,00	0,05
	0,00	0,00	0,00	0,00	100,00	0,00	0,00	
	0,00	0,00	0,00	0,00	0,39	0,00	0,00	
<i>Receive: R0,01 to R25,00 PBPM</i>	1 835 517	455 239	0	41 563	11 9212	154 828	0	2 606
	26,75	6,63	0,00	0,61	1,74	2,26	0,00	359
	70,42	17,47	0,00	1,59	4,57	5,94	0,00	37,99
	96,51	14,52	0,00	85,22	14,77	27,09	0,00	
<i>Receive: R25,01 to R50,00 PBPM</i>	0	104 098	0	0	40 758	128 036	13 377	286 269
	0,00	1,52	0,00	0,00	0,59	1,87	0,19	4,17
	0,00	36,36	0,00	0,00	14,24	44,73	4,67	
	0,00	3,32	0,00	0,00	5,05	22,40	3,49	
<i>Receive: R50,01 to R75,00 PBPM</i>	6 405	127 442	0	0	37 782	97 683	0	269 312
	0,09	1,86	0,00	0,00	0,55	1,42	0,00	3,93
	2,38	47,32	0,00	0,00	14,03	36,27	0,00	
	0,34	4,06	0,00	0,00	4,68	17,09	0,00	
<i>Receive: R75,01 to R100,00 PBPM</i>	24 077	25 610	12 796	0	0	0	0	62 483
	0,35	0,37	0,19	0,00	0,00	0,00	0,00	0,91
	38,53	40,99	20,48	0,00	0,00	0,00	0,00	
	1,27	0,82	100,00	0,00	0,00	0,00	0,00	
<i>Receive: R100,01 to R125,00 PBPM</i>	0	46 670	0	0	0	0	0	46 670
	0,00	0,68	0,00	0,00	0,00	0,00	0,00	0,68
	0,00	100,00	0,00	0,00	0,00	0,00	0,00	
	0,00	1,49	0,00	0,00	0,00	0,00	0,00	
<i>Receive: R125,01 to R150,00 PBPM</i>	0	5 426	0	0	0	5 482	0	10 908
	0,00	0,08	0,00	0,00	0,00	0,08	0,00	0,16
	0,00	49,74	0,00	0,00	0,00	50,26	0,00	
	0,00	0,17	0,00	0,00	0,00	0,96	0,00	
<i>Receive: More than R150,00 PBPM</i>	0	365 168	0	500	4200	0	40 977	410 845
	0,00	5,32	0,00	0,01	0,06	0,00	0,60	5,99
	0,00	88,88	0,00	0,12	1,02	0,00	9,97	
	0,00	11,65	0,00	1,03	0,52	0,00	10,69	
<b>Total</b>	<b>1 901 975</b>	<b>3 135 697</b>	<b>12 796</b>	<b>48 774</b>	<b>807 147</b>	<b>571 564</b>	<b>383 315</b>	<b>6 861</b>
	<b>27,72</b>	<b>45,70</b>	<b>0,19</b>	<b>0,71</b>	<b>11,76</b>	<b>8,33</b>	<b>5,59</b>	<b>268</b>
								<b>100,00</b>

**Table 52: Age and maternity: Scheme risk and Category versus number of beneficiaries (June 2006)**

<i>Number of beneficiaries</i>								
<i>Scheme risk (Age and maternity)</i>	<i>Category</i>							<i>Total</i>
<i>Frequency Percent Row Pct Col Pct</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>9</i>	
<i>Pay: R0 to R25,00 PBPM</i>	18 049 0,26 1,83 0,95	561 526 8,18 56,79 17,91	0 0,00 0,00 0,00	6 711 0,10 0,68 13,76	84 360 1,23 8,53 10,45	177 001 2,58 17,90 30,97	141 191 2,06 14,28 36,83	988 838 14,41
<i>Pay: R25,01 to R50,00 PBPM</i>	17 866 0,26 1,43 0,94	1 023 922 14,92 82,12 32,65	0 0,00 0,00 0,00	0 0,00 0,00 0,00	89 596 1,31 7,19 11,10	31 329 0,46 2,51 5,48	84 116 1,23 6,75 21,94	1 246 829 18,17
<i>Pay: R50,01 to R75,00 PBPM</i>	1 693 0,02 0,18 0,09	439 408 6,40 45,87 14,01	0 0,00 0,00 0,00	0 0,00 0,00 0,00	413 907 6,03 43,21 51,28	2 768 0,04 0,29 0,48	100 099 1,46 10,45 26,11	957 875 13,96
<i>Pay: R75,01 to R100,00 PBPM</i>	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	17 332 0,25 100,00 2,15	0 0,00 0,00 0,00	0 0,00 0,00 0,00	17 332 0,25
<i>Receive: R0,01 to R25,00 PBPM</i>	1 833 885 26,73 79,04 96,42	298 749 4,35 12,88 9,53	0 0,00 0,00 0,00	41 563 0,61 1,79 85,22	119 212 1,74 5,14 14,77	23 247 0,34 1,00 4,07	3 555 0,05 0,15 0,93	2 320 211 33,82
<i>Receive: R25,01 to R50,00 PBPM</i>	0 0,00 0,00 0,00	298 622 4,35 54,53 9,52	0 0,00 0,00 0,00	0 0,00 0,00 0,00	1 625 0,02 0,30 0,20	234 054 3,41 42,74 40,95	13 377 0,19 2,44 3,49	547 678 7,98
<i>Receive: R50,01 to R75,00 PBPM</i>	6 405 0,09 2,50 0,34	74 801 1,09 29,24 2,39	0 0,00 0,00 0,00	0 0,00 0,00 0,00	76 915 1,12 30,07 9,53	97 683 1,42 38,19 17,09	0 0,00 0,00 0,00	255 804 3,73
<i>Receive: R75,01 to R100,00 PBPM</i>	18 096 0,26 32,74 0,95	24 378 0,36 44,11 0,78	12 796 0,19 23,15 100,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	55 270 0,81
<i>Receive: R100,01 to R125,00 PBPM</i>	5 981 0,09 12,04 0,31	43 697 0,64 87,96 1,39	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	49 678 0,72
<i>Receive: R125,01 to R150,00 PBPM</i>	0 0,00 0,00 0,00	167 716 2,44 94,54 5,35	0 0,00 0,00 0,00	0 0,00 0,00 0,00	4 200 0,06 2,37 0,52	5 482 0,08 3,09 0,96	0 0,00 0,00 0,00	177 398 2,59
<i>Receive: More than R150,00 PBPM</i>	0 0,00 0,00 0,00	202 878 2,96 83,03 6,47	0 0,00 0,00 0,00	500 0,01 0,20 1,03	0 0,00 0,00 0,00	0 0,00 0,00 0,00	40 977 0,60 16,77 10,69	244 355 3,56
<b>Total</b>	<b>1 901 975 27,72</b>	<b>3 135 697 45,70</b>	<b>12 796 0,19</b>	<b>48 774 0,71</b>	<b>807 147 11,76</b>	<b>571 564 8,33</b>	<b>383 315 5,59</b>	<b>6 861 268 100,00</b>

**Table 53: Full table: Scheme risk and Category versus number of beneficiaries (June 2006)**

<b>Number of beneficiaries</b>								
<b>Scheme risk (Full table)</b>	<b>Category</b>							<b>Total</b>
<i>Frequency Percent Row Pct Col Pct</i>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>9</b>	
<i>Pay: R0 to R25,00 PBPM</i>	1 848 694 26,94 87,75 97,20	107 836 1,57 5,12 3,44	0 0,00 0,00 0,00	0 0,00 0,00 0,00	133 673 1,95 6,35 16,56	16 497 0,24 0,78 2,89	0 0,00 0,00 0,00	2 106 700 30,70
<i>Pay: R25,01 to R50,00 PBPM</i>	4 689 0,07 0,29 0,25	1 403 394 20,45 87,31 44,76	0 0,00 0,00 0,00	0 0,00 0,00 0,00	49 228 0,72 3,06 6,10	17 600 0,26 1,09 3,08	132 539 1,93 8,25 34,58	1 607 450 23,43
<i>Pay: R50,01 to R75,00 PBPM</i>	1 693 0,02 0,28 0,09	232 424 3,39 38,73 7,41	0 0,00 0,00 0,00	0 0,00 0,00 0,00	366 010 5,33 60,99 45,35	0 0,00 0,00 0,00	0 0,00 0,00 0,00	600 127 8,75
<i>Pay: R75,01 to R100,00 PBPM</i>	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	181600 2,65 64,47 22,50	0 0,00 0,00 0,00	100 099 1,46 35,53 26,11	281 699 4,11
<i>Pay: R100,01 to R125,00 PBPM</i>	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	37 173 0,54 100,00 4,61	0 0,00 0,00 0,00	0 0,00 0,00 0,00	37 173 0,54
<i>Pay: R125,01 to R150,00 PBPM</i>	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	3 133 0,05 100,00 0,39	0 0,00 0,00 0,00	0 0,00 0,00 0,00	3 133 0,05
<i>Receive: R0,01 to R25,00 PBPM</i>	16 417 0,24 1,63 0,86	785 577 11,45 77,87 25,05	0 0,00 0,00 0,00	41 563 0,61 4,12 85,22	1 625 0,02 0,16 0,20	151 438 2,21 15,01 26,50	12 262 0,18 1,22 3,20	1 008 882 14,70
<i>Receive: R25,01 to R50,00 PBPM</i>	6 405 0,09 2,24 0,34	124 923 1,82 43,64 3,98	0 0,00 0,00 0,00	6 711 0,10 2,34 13,76	30 505 0,44 10,66 3,78	33 666 0,49 11,76 5,89	84 061 1,23 29,36 21,93	286 271 4,17
<i>Receive: R50,01 to R75,00 PBPM</i>	0 0,00 0,00 0,00	2 231 0,03 1,79 0,07	0 0,00 0,00 0,00	0 0,00 0,00 0,00	4 200 0,06 3,37 0,52	118 250 1,72 94,84 20,69	0 0,00 0,00 0,00	124 681 1,82
<i>Receive: R75,01 to R100,00 PBPM</i>	18 096 0,26 8,35 0,95	40 643 0,59 18,75 1,30	12 796 0,19 5,90 100,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	145 234 2,12 67,00 25,41	0 0,00 0,00 0,00	216 769 3,16
<i>Receive: R100,01 to R125,00 PBPM</i>	5 981 0,09 5,60 0,31	65 102 0,95 60,95 2,08	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	22 344 0,33 20,92 3,91	13 377 0,19 12,52 3,49	106 804 1,56
<i>Receive: More than R150,00 PBPM</i>	0 0,00 0,00 0,00	373 567 5,44 77,57 11,91	0 0,00 0,00 0,00	500 0,01 0,10 1,03	0 0,00 0,00 0,00	66 535 0,97 13,82 11,64	40 977 0,60 8,51 10,69	481 579 7,02
<b>Total</b>	<b>1 901 975</b> <b>27,72</b>	<b>3 135 697</b> <b>45,70</b>	<b>127 96</b> <b>0,19</b>	<b>48 774</b> <b>0,71</b>	<b>807 147</b> <b>11,76</b>	<b>571 564</b> <b>8,33</b>	<b>383 315</b> <b>5,59</b>	<b>6 861 268</b> <b>100,00</b>

**Table 54: Age and Maternity (90%) plus Full table (10%): Scheme risk and Category versus number of beneficiaries (June 2006)**

<i>Number of beneficiaries</i>								
<b>Scheme risk (Age and maternity (90%) plus Full table (10%))</b>	<b>Category</b>							<b>Total</b>
<i>Frequency Percent Row Pct Col Pct</i>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>9</b>	
<i>Pay: R0 to R25,00 PBPM</i>	18 049 0,26 1,91 0,95	567 521 8,27 60,08 18,10	0 0,00 0,00 0,00	6 711 0,10 0,71 13,76	59 705 0,87 6,32 7,40	151 438 2,21 16,03 26,50	141 191 2,06 14,95 36,83	944 615 13,77
<i>Pay: R25,01 to R50,00 PBPM</i>	17 866 0,26 1,38 0,94	1 023 922 14,92 79,00 32,65	0 0,00 0,00 0,00	0 0,00 0,00 0,00	138 923 2,02 10,72 17,21	31 329 0,46 2,42 5,48	84 116 1,23 6,49 21,94	1 296 156 18,89
<i>Pay: R50,01 to R75,00 PBPM</i>	1 693 0,02 0,18 0,09	439 408 6,40 45,87 14,01	0 0,00 0,00 0,00	0 0,00 0,00 0,00	413 907 6,03 43,21 51,28	2 768 0,04 0,29 0,48	100 099 1,46 10,45 26,11	957 875 13,96
<i>Pay: R75,01 to R100,00 PBPM</i>	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	14 199 0,21 100,00 1,76	0 0,00 0,00 0,00	0 0,00 0,00 0,00	14 199 0,21
<i>Pay: R100,01 to R125,00 PBPM</i>	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	3 133 0,05 100,00 0,39	0 0,00 0,00 0,00	0 0,00 0,00 0,00	3 133 0,05
<i>Receive: R0,01 to R25,00 PBPM</i>	1 833 885 26,73 74,71 96,42	432 360 6,30 17,61 13,79	0 0,00 0,00 0,00	41 563 0,61 1,69 85,22	94 540 1,38 3,85 11,71	48 810 0,71 1,99 8,54	3 555 0,05 0,14 0,93	2 454 713 35,78
<i>Receive: R25,01 to R50,00 PBPM</i>	0 0,00 0,00 0,00	159 016 2,32 36,65 5,07	0 0,00 0,00 0,00	0 0,00 0,00 0,00	40 758 0,59 9,39 5,05	234 054 3,41 53,95 40,95	0 0,00 0,00 0,00	433 828 6,32
<i>Receive: R50,01 to R75,00 PBPM</i>	6 405 0,09 2,78 0,34	74 801 1,09 32,52 2,39	0 0,00 0,00 0,00	0 0,00 0,00 0,00	37 782 0,55 16,42 4,68	97 683 1,42 42,46 17,09	13 377 0,19 5,81 3,49	230 048 3,35
<i>Receive: R75,01 to R100,00 PBPM</i>	18 096 0,26 34,60 0,95	21 405 0,31 40,93 0,68	12 796 0,19 24,47 100,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	52 297 0,76
<i>Receive: R100,01 to R125,00 PBPM</i>	5 981 0,09 10,52 0,31	46 670 0,68 82,09 1,49	0 0,00 0,00 0,00	0 0,00 0,00 0,00	4 200 0,06 7,39 0,52	0 0,00 0,00 0,00	0 0,00 0,00 0,00	56 851 0,83
<i>Receive: R125,01 to R150,00 PBPM</i>	0 0,00 0,00 0,00	5 426 0,08 49,74 0,17	0 0,00 0,00 0,00	0 0,00 0,00 0,00	0 0,00 0,00 0,00	5 482 0,08 50,26 0,96	0 0,00 0,00 0,00	10 908 0,16
<i>Receive: More than R150,00 PBPM</i>	0 0,00 0,00 0,00	365 168 5,32 89,80 11,65	0 0,00 0,00 0,00	500 0,01 0,12 1,03	0 0,00 0,00 0,00	0 0,00 0,00 0,00	40 977 0,60 10,08 10,69	406 645 5,93
<b>Total</b>	<b>1 901 975 27,72</b>	<b>3 135 697 45,70</b>	<b>12 796 0,19</b>	<b>48 774 0,71</b>	<b>807 147 11,76</b>	<b>571 564 8,33</b>	<b>383 315 5,59</b>	<b>6 861 268 100,00</b>

## 5 Changes in the certainty of the scheme risk

Table 55 below demonstrates that the standard deviation of the scheme community rate remained stable for the Age only and the Age and maternity tables during the nine months under review. However, the standard deviation for the full table was very high in December 2005, improved only slightly in March 2006 (when the entry and verification criteria were introduced) but reached a level similar to that of the other weighting tables in June 2006. This reduction in the standard deviation for the full table might be due to an improvement in the quality of data, leading to a better assessment of the industry and scheme community rates.

**Table 55: Standard deviation of the scheme risk for the three months per contribution table**

Month	Contribution Table (Standard deviation in Rand)			
	Age only	Age and Maternity	Full table	Age and Maternity (90%) plus Full table (10%)
December 2005	83,28	87,34	144,16	90,68
March 2006	97,66	98,87	119,53	99,37
June 2006	96,39	96,93	95,62	95,09

## 6 Sensitivity analysis

A simple sensitivity analysis was done on the June 2006 data. Schemes in Categories 1, 2 and 3 were regarded as schemes with fair data. At this stage, CMS is unsure about Categories 6 and 7. Schemes in Categories 4, 5, 8 and 9 are regarded as having sufficiently bad data to warrant an audit. In the following two sections certain Categories of schemes were excluded.

### **6.1 Section 1: Exclusion of categories 4, 5, 8 and 9**

In this section Categories 4, 5, 8 and 9 are excluded and the Industry community rate is calculated on the remaining schemes.

The following numbers of schemes are excluded in this analysis:

- Category 4: 1 scheme
- Category 5: 3 schemes
- Category 9: 12 schemes

These 16 schemes contain 444 885 beneficiaries in total. The results without the sixteen schemes are shown in Table 16 below.

**Table 56: Comparison of contribution tables without Category 4, 5, 8 and 9 schemes**

<i>Statistic</i>	<i>Contribution Table (Amount in rand)</i>			
	<i>Age only</i>	<i>Age and Maternity</i>	<i>Full table</i>	<i>Age and Maternity (90%) plus Full table (10%)</i>
<i>Industry community rate</i>	223,09	222,86	215,82	222,16
<i>Minimum risk rate</i>	-396,63	-392,96	-549,98	-387,09
<i>Maximum risk rate</i>	75,56	96,33	136,23	100,32
<i>Standard deviation</i>	73,49	73,79	95,77	75,29

The exclusion of the problematic schemes did not have a significant effect on the Community rates for the four tables. However, there is a drop in the standard deviation for all the tables except for the Full table.

## **6.2 Section 2: Exclusion of categories 4 to 9**

In this section Categories 4, 5, 6, 7, 8 and 9 are excluded and the Industry community rate is calculated on the remaining schemes.

The following numbers of schemes are excluded:

- Category 4: 1 scheme
- Category 5: 3 schemes
- Category 6: 24 schemes
- Category 7: 17 schemes
- Category 9: 12 schemes

The fifty-seven schemes above represent 1 823 596 beneficiaries in total. The results without these fifty-seven schemes are shown in Table 57 below.

**Table 57: Comparison of contribution tables without Category 4, 5, 6, 7, 8 and 9 schemes**

<i>Statistic</i>	<i>Contribution Table (Amount in rand)</i>			
	<i>Age only</i>	<i>Age and Maternity</i>	<i>Full table</i>	<i>Age and Maternity (90%) plus Full table (10%)</i>
<i>Industry community rate</i>	225,60	225,93	218,36	225,17
<i>Minimum risk rate</i>	-394,13	-389,90	-547,45	-384,07
<i>Maximum risk rate</i>	65,50	65,82	73,38	66,57
<i>Standard deviation</i>	81,35	80,60	102,20	82,24

The exclusion of the schemes with poor data or schemes where the CDL definitions were not consistently applied did not have a significant effect on the community rates for

the four tables. However, the standard deviation increased for each of the four the tables.

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