

Table 7.3. 1 : Summary of excess mortality associated with Bristol derived from HES data : 1991 - Mar95: under 90 days

Group	Mortality in 11 other centres	Mortality in Bristol	Expected deaths if 'typical'	Excess deaths	Prob excess > 0	RR	Rank out of all centres	Prob. Bristol highest
1: Fallot type	6 / 39 15%	0 / 0 0%						
2: Interatrial TGA	9 / 65 14%	1 / 1 100%	0.1	0.9 ( 0 - 1 )	0.86	7.14	9 / 9 ( 4 - 9 )	0.70
3: Other TGA	54 / 531 10%	9 / 10 90%	1.2	7.8 ( 5 - 9 )	1.00	7.83	12 / 12 ( 11 - 12 )	0.90
4: TAPVD	22 / 131 17%	5 / 10 50%	1.7	3.3 ( 0 - 5 )	0.97	2.99	11 / 11 ( 7 - 11 )	0.58
5: AVSD	22 / 125 18%	2 / 2 100%	0.4	1.6 ( 0 - 2 )	0.94	4.88	12 / 12 ( 7 - 12 )	0.53
6: Closure of ASD	8 / 64 12%	0 / 2 0%	0.2	-0.2 ( -1 - 0 )	0.00	0.00	4 / 10 ( 1 - 10 )	0.17
7: Closure of VSD	31 / 267 12%	0 / 1 0%	0.1	-0.1 ( -1 - 0 )	0.00	0.00	1 / 12 ( 1 - 12 )	0.35
8: Truncus	26 / 75 35%	2 / 2 100%	0.7	1.3 ( 0 - 2 )	0.86	2.78	12 / 12 ( 4 - 12 )	0.40
9: Fontan type	10 / 38 26%	0 / 0 0%						
10: Aortic/pulm valv	22 / 149 15%	1 / 1 100%	0.2	0.8 ( 0 - 1 )	0.84	6.25	12 / 12 ( 5 - 12 )	0.75
11: Mitral valves	6 / 11 55%	0 / 0 0%						
12: Closed shunts	45 / 430 10%	2 / 25 8%	2.6	-0.6 ( -5 - 2 )	0.33	0.77	6 / 12 ( 2 - 11 )	0.02
13: Simple coarct	15 / 372 4%	2 / 52 4%	2.2	-0.2 ( -4 - 2 )	0.42	0.93	6 / 12 ( 1 - 11 )	0.01
<hr/>								
Groups 1-13: Total	276 / 2297 12%	24 / 106 23%	9.4	14.6 ( 8 - 21 )	1.00	2.56		
<hr/>								
Open	254 / 1615 16%	19 / 30 63%	5.1	13.9 ( 8 - 18 )	1.00	3.73	12 / 12 ( 12 - 12 )	1.00
Closed	61 / 1323 5%	5 / 96 5%	4.6	0.4 ( -7 - 5 )	0.55	1.08	8 / 12 ( 2 - 12 )	0.04
<hr/>								
Open/closed: Total	315 / 2938 11%	24 / 126 19%	9.7	14.3 ( 7 - 22 )	1.00	2.47		

Table 7.3. 2 : Summary of excess mortality associated with Bristol derived from HES data : 1991 - Mar95: 90 days to 1 yr

Group	Mortality in 11 other centres	Mortality in Bristol	Expected deaths if 'typical'	Excess (95% int.) deaths	Prob excess > 0	RR	Rank (95% int.) out of all centres	Prob. Bristol highest
1: Fallot type	12/ 242 5%	0/ 3 0%	0.2	-0.2 (-1 - 0)	0.00	0.00	2/12 ( 1 - 12)	0.25
2: Interatrial TGA	2/ 33 6%	1/ 14 7%	0.9	0.1 (-3 - 1)	0.50	1.16	9/11 ( 1 - 9)	0.00
3: Other TGA	6/ 42 14%	1/ 3 33%	0.4	0.6 (-1 - 1)	0.64	2.33	10/10 ( 2 - 10)	0.21
4: TAPVD	1/ 35 3%	0/ 4 0%	0.1	-0.1 (-1 - 0)	0.00	0.00	5/10 ( 1 - 10)	0.05
5: AVSD	26/ 277 9%	9/ 21 43%	2.0	7.0 ( 3 - 9)	1.00	4.55	12/12 (10 - 12)	0.80
6: Closure of ASD	3/ 85 4%	5/ 8 62%	0.3	4.7 ( 3 - 5)	1.00	18.52	11/11 ( 9 - 11)	0.70
7: Closure of VSD	14/ 544 3%	0/ 46 0%	1.3	-1.3 (-5 - 0)	0.00	0.00	2/12 ( 1 - 10)	0.00
8: Truncus	5/ 22 23%	1/ 2 50%	0.5	0.5 (-1 - 1)	0.61	2.13	9/12 ( 2 - 12)	0.06
9: Fontan type	10/ 80 12%	2/ 4 50%	0.5	1.5 ( 0 - 2)	0.90	3.77	10/10 ( 4 - 10)	0.38
10: Aortic/pulm valv	3/ 101 3%	1/ 3 33%	0.1	0.9 ( 0 - 1)	0.91	11.11	12/12 ( 5 - 12)	0.53
11: Mitral valves	6/ 40 15%	2/ 3 67%	0.5	1.5 ( 0 - 2)	0.92	4.26	11/11 ( 5 - 11)	0.39
12: Closed shunts	13/ 168 8%	1/ 13 8%	1.1	-0.1 (-3 - 1)	0.38	0.93	8/12 ( 1 - 11)	0.01
13: Simple coarct	2/ 54 4%	0/ 12 0%	0.4	-0.4 (-2 - 0)	0.00	0.00	5/11 ( 1 - 9)	0.00
<hr/>								
Groups 1-13: Total	103/ 1723 6%	23/ 136 17%	8.2	14.8 ( 9 - 21)	1.00	2.82		
<hr/>								
Open	102/ 1561 7%	22/ 113 19%	7.6	14.4 ( 7 - 20)	1.00	2.89	12/12 (11 - 12)	0.92
Closed	17/ 461 4%	2/ 57 4%	2.1	-0.1 (-4 - 2)	0.42	0.94	5/12 ( 1 - 11)	0.02
<hr/>								
Open/closed: Total	119/ 2022 6%	24/ 170 14%	9.7	14.3 ( 7 - 22)	1.00	2.47		

Table 7.3. 3 : Summary of excess mortality associated with Bristol derived from HES data : 1991 - Mar95: 1 to 15 years

Group	Mortality in 11 other centres	Mortality in Bristol	Expected deaths if 'typical'	Excess (95% int.) deaths	Prob excess > 0	RR	Rank (95% int.) out of all centres	Prob. Bristol highest
1: Fallot type	27 / 557 5%	5 / 44 11%	2.2	2.8 ( -2 - 5)	0.89	2.29	11 / 12 ( 6 - 12)	0.13
2: Interatrial TGA	3 / 43 7%	1 / 3 33%	0.2	0.8 ( 0 - 1)	0.81	4.55	10 / 10 ( 3 - 10)	0.37
3: Other TGA	3 / 47 6%	1 / 6 17%	0.4	0.6 ( -1 - 1)	0.68	2.50	6 / 8 ( 2 - 8)	0.09
4: TAPVD	1 / 32 3%	0 / 0 0%						
5: AVSD	14 / 367 4%	1 / 11 9%	0.5	0.5 ( -1 - 1)	0.64	2.13	9 / 12 ( 3 - 12)	0.13
6: Closure of ASD	3 / 1015 0%	0 / 80 0%	0.2	-0.2 ( -2 - 0)	0.00	0.00	5 / 12 ( 1 - 11)	0.01
7: Closure of VSD	20 / 465 4%	1 / 46 2%	2.0	-1.0 ( -5 - 1)	0.17	0.49	3 / 12 ( 1 - 11)	0.01
8: Truncus	1 / 6 17%	0 / 1 0%	0.2	-0.2 ( -1 - 0)	0.00	0.00	3 / 6 ( 1 - 6)	0.13
9: Fontan type	51 / 525 10%	3 / 34 9%	3.5	-0.5 ( -7 - 3)	0.41	0.86	7 / 12 ( 2 - 11)	0.00
10: Aortic/pulm valv	18 / 645 3%	3 / 46 7%	1.4	1.6 ( -2 - 3)	0.83	2.22	11 / 12 ( 4 - 12)	0.18
11: Mitral valves	13 / 180 7%	1 / 20 5%	1.4	-0.4 ( -4 - 1)	0.31	0.69	8 / 12 ( 1 - 11)	0.01
12: Closed shunts	18 / 292 6%	4 / 27 15%	1.8	2.2 ( -2 - 4)	0.86	2.23	11 / 12 ( 4 - 12)	0.11
13: Simple coarct	0 / 159 0%	0 / 28 0%	0.0	0.0 ( 0 - 0)	0.00	NA	6 / 12 ( 1 - 10)	0.00
<hr/>								
Groups 1-13: Total	172 / 4333 4%	20 / 346 6%	13.8	6.2 ( -3 - 15)	0.90	1.45		
<hr/>								
Open	194 / 4211 5%	21 / 314 7%	15.0	6.0 ( -14 - 17)	0.80	1.40	11 / 12 ( 6 - 11)	0.01
Closed	15 / 893 2%	0 / 89 0%	1.7	-1.7 ( -7 - 0)	0.00	0.00	4 / 12 ( 1 - 9)	0.00
<hr/>								
Open/closed: Total	209 / 5104 4%	21 / 403 5%	16.7	4.3 ( -12 - 21)	0.69	1.25		

Table 7.3. 4 : Summary of excess mortality associated with Bristol derived from HES data : 1991 - Mar95: All ages

Group	Mortality in 11 other centres	Mortality in Bristol	Expected deaths if 'typical'	Excess (95% int.) deaths	Prob excess > 0	RR	Rank (95% int.) out of all centres	Prob. Bristol highest
1: Fallot type	45 / 838 5 %	5 / 47 11 %	2.3	2.7 ( -2 - 5 )	0.88	2.15		
2: Interatrial TGA	14 / 141 10 %	3 / 18 17 %	1.2	1.8 ( -1 - 3 )	0.86	2.48		
3: Other TGA	63 / 620 10 %	11 / 19 58 %	2.0	9.0 ( 6 - 11 )	1.00	5.56		
4: TAPVD	24 / 198 12 %	5 / 14 36 %	1.8	3.2 ( 0 - 5 )	0.97	2.79		
5: AVSD	62 / 769 8 %	12 / 34 35 %	2.9	9.1 ( 5 - 12 )	1.00	4.20		
6: Closure of ASD	14 / 1164 1 %	5 / 90 6 %	0.8	4.2 ( 2 - 5 )	1.00	6.58		
7: Closure of VSD	65 / 1276 5 %	1 / 93 1 %	3.4	-2.4 ( -7 - 1 )	0.05	0.29		
8: Truncus	32 / 103 31 %	3 / 5 60 %	1.4	1.6 ( -1 - 3 )	0.86	2.16		
9: Fontan type	71 / 643 11 %	5 / 38 13 %	4.0	1.0 ( -5 - 5 )	0.64	1.24		
10: Aortic/pulm valv	43 / 895 5 %	5 / 50 10 %	1.6	3.4 ( 0 - 5 )	0.96	3.12		
11: Mitral valves	25 / 231 11 %	3 / 23 13 %	1.9	1.1 ( -3 - 3 )	0.71	1.57		
12: Closed shunts	76 / 890 9 %	7 / 65 11 %	5.5	1.5 ( -5 - 6 )	0.68	1.28		
13: Simple coarct	17 / 585 3 %	2 / 92 2 %	2.6	-0.6 ( -5 - 2 )	0.32	0.77		
<hr/>								
Groups 1-13: Total	551 / 8353 7 %	67 / 588 11 %	31.4	35.6 ( 23 - 49 )	1.00	2.14		
<hr/>								
Open	550 / 7387 7 %	62 / 457 14 %	27.7	34.3 ( 13 - 49 )	0.99	2.24		
Closed	93 / 2677 3 %	7 / 242 3 %	8.5	-1.5 ( -11 - 5 )	0.35	0.83		
<hr/>								
Open/closed: Total	643 / 10064 6 %	69 / 699 10 %	36.2	32.8 ( 13 - 53 )	1.00	1.91		

Table 7.4. 1 : Summary of excess mortality associated with Bristol derived from CSR data : 1984 - 1987: under 1 yr

Group	Mortality in 11 other centres	Mortality in Bristol	Expected deaths if 'typical'	Excess (95% int.) deaths	Prob excess > 0	RR	Rank (95% int.) out of all centres	Prob. Bristol highest
1: Fallot type	9 / 60 15%	0 / 0 0%						
2: Interatrial TGA	7 / 75 9%	0 / 5 0%	0.5	-0.5 ( -2 - 0)	0.00	0.00	4 / 11 ( 1 - 11)	0.03
3: Other TGA	56 / 295 19%	1 / 12 8%	2.4	-1.4 ( -5 - 1)	0.10	0.41	2 / 11 ( 1 - 9)	0.00
4: TAPVD	22 / 114 19%	6 / 16 37%	3.0	3.0 ( -3 - 6)	0.86	2.00	10 / 11 ( 5 - 11)	0.06
5: AVSD	16 / 61 26%	3 / 4 75%	1.1	1.9 ( 0 - 3)	0.90	2.66	7 / 10 ( 4 - 10)	0.18
6: Closure of ASD	6 / 59 10%	1 / 1 100%	0.1	0.9 ( 0 - 1)	0.90	10.33	11 / 11 ( 5 - 11)	0.69
7: Closure of VSD	34 / 338 10%	0 / 12 0%	1.5	-1.5 ( -5 - 0)	0.00	0.00	2 / 11 ( 1 - 9)	0.00
8: Truncus	31 / 60 52%	3 / 3 100%	1.6	1.4 ( 0 - 3)	0.82	1.91	11 / 11 ( 4 - 11)	0.32
9: Fontan type	1 / 1 100%	0 / 0 0%						
10: Aortic/pulm valv	38 / 158 24%	2 / 11 18%	2.8	-0.8 ( -5 - 2)	0.25	0.71	4 / 11 ( 1 - 10)	0.02
11: Mitral valves	1 / 4 25%	0 / 0 0%						
12: Closed shunts	0 / 0 0%	0 / 0 0%						
13: Simple coarct	7 / 302 2%	1 / 23 4%	0.5	0.5 ( -2 - 1)	0.62	1.89	11 / 12 ( 2 - 12)	0.07
<hr/>								
Groups 1-13: Total	228 / 1527 15%	17 / 87 20%	13.5	3.5 ( -5 - 12)	0.79	1.26		
<hr/>								
Open	267 / 1290 21%	16 / 63 25%	14.0	2.0 ( -12 - 12)	0.65	1.14	7 / 11 ( 3 - 11)	0.03
Closed	110 / 1814 6%	18 / 154 12%	9.4	8.6 ( -5 - 16)	0.92	1.92	11 / 12 ( 8 - 12)	0.21
<hr/>								
Open/closed: Total	377 / 3104 12%	34 / 217 16%	23.4	10.6 ( -6 - 27)	0.89	1.45		
<hr/>								

Table 7.4. 2 : Summary of excess mortality associated with Bristol derived from CSR data : 1984 - 1987: 1 to 15 years

Group	Mortality in 11 other centres	Mortality in Bristol	Expected deaths if 'typical'	Excess (95% int.) deaths	Prob excess > 0	RR	Rank (95% int.) out of all centres	Prob. Bristol highest
1: Fallot type	24 / 404 6%	7 / 49 14%	3.4	3.6 ( -4 - 7 )	0.88	2.08	10 / 11 ( 5 - 11 )	0.10
2: Interatrial TGA	1 / 26 4%	0 / 0 0%						
3: Other TGA	10 / 128 8%	2 / 23 9%	1.9	0.1 ( -4 - 2 )	0.49	1.06	8 / 11 ( 2 - 10 )	0.00
4: TAPVD	2 / 24 8%	0 / 1 0%	0.1	-0.1 ( -1 - 0 )	0.00	0.00	4 / 9 ( 1 - 9 )	0.09
5: AVSD	22 / 118 19%	3 / 12 25%	2.3	0.7 ( -4 - 3 )	0.60	1.29	9 / 11 ( 2 - 11 )	0.04
6: Closure of ASD	6 / 857 1%	1 / 88 1%	0.6	0.4 ( -2 - 1 )	0.57	1.57	9 / 12 ( 2 - 12 )	0.04
7: Closure of VSD	12 / 331 4%	0 / 27 0%	1.0	-1.0 ( -4 - 0 )	0.00	0.00	3 / 11 ( 1 - 10 )	0.01
8: Truncus	2 / 9 22%	0 / 1 0%	0.2	-0.2 ( -1 - 0 )	0.00	0.00	2 / 4 ( 1 - 4 )	0.26
9: Fontan type	24 / 64 37%	2 / 4 50%	1.5	0.5 ( -2 - 2 )	0.52	1.32	9 / 10 ( 1 - 10 )	0.16
10: Aortic/pulm valv	20 / 341 6%	0 / 27 0%	1.6	-1.6 ( -7 - 0 )	0.00	0.00	3 / 12 ( 1 - 9 )	0.00
11: Mitral valves	11 / 51 22%	1 / 5 20%	1.1	-0.1 ( -2 - 1 )	0.34	0.92	4 / 10 ( 1 - 9 )	0.02
12: Closed shunts	0 / 0 0%	0 / 0 0%						
13: Simple coarct	0 / 223 0%	0 / 35 0%	0.0	0.0 ( -1 - 0 )	0.00	0.00	6 / 12 ( 1 - 11 )	0.00
<hr/>								
Groups 1-13: Total	134 / 2576 5%	16 / 272 6%	13.7	2.3 ( -7 - 12 )	0.68	1.17		
<hr/>								
Open	237 / 2904 8%	24 / 284 8%	23.3	0.7 ( -30 - 18 )	0.59	1.03	7 / 12 ( 4 - 11 )	0.00
Closed	21 / 1226 2%	3 / 120 2%	2.0	1.0 ( -4 - 3 )	0.69	1.48	10 / 12 ( 3 - 12 )	0.06
<hr/>								
Open/closed: Total	258 / 4130 6%	27 / 404 7%	25.3	1.7 ( -24 - 28 )	0.55	1.07		
<hr/>								

Table 7.4. 3 : Summary of excess mortality associated with Bristol derived from CSR data : 1988 - 1990: under 1 yr

Group	Mortality in 11 other centres	Mortality in Bristol	Expected deaths if 'typical'	Excess (95% int.) deaths	Prob excess > 0	RR	Rank (95% int.) out of all centres	Prob. Bristol highest
1: Fallot type	12 / 121 10 %	2 / 2 100 %	0.2	1.8 ( 1 - 2 )	0.99	10.20	12 / 12 ( 10 - 12 )	0.85
2: Interatrial TGA	13 / 63 21 %	0 / 3 0 %	0.6	-0.6 ( -2 - 0 )	0.00	0.00	2 / 9 ( 1 - 9 )	0.05
3: Other TGA	60 / 353 17 %	4 / 34 12 %	6.2	-2.2 ( -11 - 3 )	0.26	0.64	4 / 12 ( 1 - 9 )	0.00
4: TAPVD	18 / 140 13 %	5 / 11 45 %	1.5	3.5 ( 0 - 5 )	0.97	3.31	11 / 12 ( 8 - 12 )	0.24
5: AVSD	28 / 146 19 %	4 / 13 31 %	2.8	1.2 ( -4 - 4 )	0.68	1.40	9 / 12 ( 3 - 12 )	0.02
6: Closure of ASD	8 / 67 12 %	2 / 4 50 %	0.6	1.4 ( -1 - 2 )	0.87	3.31	9 / 11 ( 4 - 11 )	0.09
7: Closure of VSD	24 / 434 6 %	4 / 28 14 %	1.9	2.1 ( -3 - 4 )	0.85	2.16	9 / 11 ( 6 - 11 )	0.05
8: Truncus	35 / 61 57 %	4 / 6 67 %	3.5	0.5 ( -2 - 3 )	0.48	1.14	8 / 11 ( 1 - 11 )	0.06
9: Fontan type	2 / 8 25 %	0 / 0 0 %						
10: Aortic/pulm valv	39 / 183 21 %	1 / 6 17 %	1.3	-0.3 ( -3 - 1 )	0.28	0.76	6 / 12 ( 1 - 12 )	0.04
11: Mitral valves	6 / 25 24 %	0 / 1 0 %	0.2	-0.2 ( -1 - 0 )	0.00	0.00	2 / 9 ( 1 - 9 )	0.13
12: Closed shunts	0 / 0 0 %	0 / 0 0 %						
13: Simple coarct	13 / 339 4 %	0 / 19 0 %	0.7	-0.7 ( -3 - 0 )	0.00	0.00	4 / 12 ( 1 - 11 )	0.02
<hr/>								
Groups 1-13: Total	258 / 1940 13 %	26 / 127 20 %	19.7	6.3 ( -5 - 18 )	0.87	1.32		
<hr/>								
Open	336 / 1863 18 %	31 / 108 29 %	22.3	8.7 ( -12 - 23 )	0.83	1.39	10 / 12 ( 7 - 12 )	0.05
Closed	95 / 1740 5 %	12 / 152 8 %	7.9	4.1 ( -21 - 12 )	0.79	1.51	11 / 12 ( 6 - 11 )	0.00
<hr/>								
Open/closed: Total	431 / 3603 12 %	43 / 260 17 %	30.3	12.7 ( -14 - 40 )	0.82	1.42		

Table 7.4. 4 : Summary of excess mortality associated with Bristol derived from CSR data : 1988 - 1990: 1 to 15 years

Group	Mortality in 11 other centres	Mortality in Bristol	Expected deaths if 'typical'	Excess (95% int.) deaths	Prob excess > 0	RR	Rank (95% int.) out of all centres	Prob. Bristol highest
1: Fallot type	37 / 575 6%	7 / 52 13%	4.0	3.0 ( -4 - 7)	0.84	1.77	11 / 12 ( 4 - 12)	0.07
2: Interatrial TGA	2 / 30 7%	0 / 0 0%						
3: Other TGA	9 / 117 8%	3 / 11 27%	0.9	2.1 ( 0 - 3)	0.92	3.41	11 / 11 ( 4 - 11)	0.18
4: TAPVD	1 / 26 4%	1 / 2 50%	0.1	0.9 ( 0 - 1)	0.92	11.71	9 / 9 ( 2 - 9)	0.33
5: AVSD	14 / 99 14%	4 / 8 50%	1.3	2.7 ( 0 - 4)	0.95	3.19	12 / 12 ( 6 - 12)	0.19
6: Closure of ASD	5 / 857 1%	0 / 83 0%	0.5	-0.5 ( -3 - 0)	0.00	0.00	4 / 12 ( 1 - 11)	0.02
7: Closure of VSD	12 / 375 3%	2 / 42 5%	1.4	0.6 ( -3 - 2)	0.61	1.38	8 / 11 ( 2 - 11)	0.04
8: Truncus	3 / 7 43%	0 / 1 0%	0.4	-0.4 ( -1 - 0)	0.00	0.00	2 / 6 ( 1 - 6)	0.04
9: Fontan type	14 / 120 12%	6 / 11 55%	1.6	4.4 ( 1 - 6)	0.98	3.75	12 / 12 ( 7 - 12)	0.22
10: Aortic/pulm valv	23 / 331 7%	0 / 29 0%	2.1	-2.1 ( -6 - 0)	0.00	0.00	3 / 12 ( 1 - 9)	0.00
11: Mitral valves	10 / 69 14%	1 / 3 33%	0.5	0.5 ( -1 - 1)	0.63	2.21	12 / 12 ( 2 - 12)	0.20
12: Closed shunts	0 / 0 0%	0 / 0 0%						
13: Simple coarct	0 / 235 0%	0 / 43 0%	0.1	-0.1 ( -1 - 0)	0.00	0.00	6 / 12 ( 1 - 10)	0.00
<hr/>								
Groups 1-13: Total	130 / 2841 5%	24 / 285 8%	12.8	11.2 ( 2 - 20)	0.99	1.88		
<hr/>								
Open	224 / 3319 7%	37 / 304 12%	22.4	14.6 ( -19 - 32)	0.88	1.65	11 / 12 ( 8 - 12)	0.06
Closed	21 / 980 2%	4 / 127 3%	2.6	1.4 ( -5 - 4)	0.73	1.52	9 / 12 ( 4 - 12)	0.09
<hr/>								
Open/closed: Total	245 / 4299 6%	41 / 431 10%	25.1	15.9 ( -12 - 44)	0.87	1.64		



Table 7.4. 5 : Summary of excess mortality associated with Bristol derived from CSR data : 1991 - Mar95: under 1 yr

Group	Mortality in 11 other centres	Mortality in Bristol	Expected deaths if 'typical'	Excess (95% int.) deaths	Prob excess > 0	RR	Rank (95% int.) out of all centres	Prob. Bristol highest
1: Fallot type	22/ 270 8%	0/ 2 0%	0.2	-0.2 ( -1 - 0)	0.00	0.00	2/12 ( 1 - 12)	0.31
2: Interatrial TGA	14/ 50 28%	0/ 3 0%	0.8	-0.8 ( -3 - 0)	0.00	0.00	3/11 ( 1 - 10)	0.02
3: Other TGA	72/ 573 13%	10/ 36 28%	5.0	5.0 ( -2 - 10)	0.92	2.01	12/12 ( 7 - 12)	0.47
4: TAPVD	21/ 153 14%	6/ 18 33%	2.6	3.4 ( -1 - 6)	0.93	2.31	11/12 ( 5 - 12)	0.16
5: AVSD	44/ 331 13%	8/ 32 25%	4.5	3.5 ( -3 - 8)	0.86	1.77	11/12 ( 5 - 12)	0.17
6: Closure of ASD	2/ 129 2%	2/ 5 40%	0.1	1.9 ( 1 - 2)	0.99	25.97	11/11 ( 7 - 11)	0.63
7: Closure of VSD	18/ 689 3%	0/ 51 0%	1.4	-1.4 ( -5 - 0)	0.00	0.00	2/12 ( 1 - 10)	0.01
8: Truncus	26/ 102 25%	2/ 7 29%	1.9	0.1 ( -3 - 2)	0.44	1.08	8/12 ( 1 - 12)	0.05
9: Fontan type	7/ 21 33%	1/ 1 100%	0.4	0.6 ( 0 - 1)	0.64	2.75	7/ 8 ( 2 - 8)	0.26
10: Aortic/pulm valv	24/ 179 13%	1/ 1 100%	0.2	0.8 ( 0 - 1)	0.84	6.08	12/12 ( 5 - 12)	0.55
11: Mitral valves	5/ 36 14%	0/ 1 0%	0.2	-0.2 ( -1 - 0)	0.00	0.00	4/10 ( 1 - 10)	0.07
12: Closed shunts	0/ 0 0%	0/ 0 0%						
13: Simple coarct	9/ 464 2%	0/ 30 0%	0.6	-0.6 ( -3 - 0)	0.00	0.00	4/12 ( 1 - 12)	0.03
<hr/>								
Groups 1-13: Total	264/ 2997 9%	30/ 187 16%	17.7	12.3 ( 2 - 22)	0.99	1.69		
<hr/>								
Open	395/ 3161 12%	43/ 181 24%	24.0	19.0 ( 2 - 32)	0.98	1.79	12/12 ( 10 - 12)	0.88
Closed	57/ 1839 3%	5/ 179 3%	6.2	-1.2 ( -11 - 4)	0.38	0.81	5/12 ( 2 - 11)	0.00
<hr/>								
Open/closed: Total	452/ 5000 9%	48/ 360 13%	30.2	17.8 ( 0 - 35)	0.98	1.59		

Table 7.4. 6 : Summary of excess mortality associated with Bristol derived from CSR data : 1991 - Mar95: 1 to 15 years

Group	Mortality in 11 other centres	Mortality in Bristol	Expected deaths if 'typical'	Excess (95% int.) deaths	Prob excess > 0	RR	Rank (95% int.) out of all centres	Prob. Bristol highest
1: Fallot type	29 / 593 5%	6 / 56 11%	2.9	3.1 ( -2 - 6 )	0.89	2.09	10 / 12 ( 5 - 12 )	0.10
2: Interatrial TGA	1 / 22 5%	0 / 1 0%	0.1	-0.1 ( -1 - 0 )	0.00	0.00	5 / 10 ( 1 - 10 )	0.08
3: Other TGA	7 / 67 10%	0 / 9 0%	1.0	-1.0 ( -4 - 0 )	0.00	0.00	4 / 12 ( 1 - 9 )	0.00
4: TAPVD	1 / 31 3%	0 / 1 0%	0.0	0.0 ( -1 - 0 )	0.00	0.00	6 / 11 ( 1 - 11 )	0.20
5: AVSD	10 / 181 6%	3 / 9 33%	0.5	2.5 ( 0 - 3 )	0.97	5.52	12 / 12 ( 7 - 12 )	0.30
6: Closure of ASD	7 / 1270 1%	0 / 121 0%	0.7	-0.7 ( -3 - 0 )	0.00	0.00	4 / 12 ( 1 - 11 )	0.01
7: Closure of VSD	8 / 362 2%	0 / 39 0%	1.0	-1.0 ( -4 - 0 )	0.00	0.00	4 / 12 ( 1 - 10 )	0.00
8: Truncus	2 / 13 15%	0 / 1 0%	0.2	-0.2 ( -1 - 0 )	0.00	0.00	4 / 8 ( 1 - 8 )	0.08
9: Fontan type	28 / 280 10%	6 / 38 16%	4.0	2.0 ( -8 - 6 )	0.75	1.49	9 / 12 ( 4 - 11 )	0.00
10: Aortic/pulm valv	17 / 614 3%	0 / 33 0%	1.1	-1.1 ( -4 - 0 )	0.00	0.00	2 / 12 ( 1 - 10 )	0.00
11: Mitral valves	10 / 115 9%	0 / 8 0%	0.7	-0.7 ( -3 - 0 )	0.00	0.00	2 / 11 ( 1 - 10 )	0.01
12: Closed shunts	0 / 0 0%	0 / 0 0%						
13: Simple coarct	3 / 247 1%	0 / 31 0%	0.4	-0.4 ( -2 - 0 )	0.00	0.00	5 / 12 ( 1 - 11 )	0.02
<hr/>								
Groups 1-13: Total	123 / 3795 3%	15 / 347 4%	12.6	2.4 ( -8 - 13 )	0.68	1.19		
<hr/>								
Open	232 / 4503 5%	28 / 382 7%	22.8	5.2 ( -35 - 24 )	0.72	1.23	9 / 12 ( 6 - 10 )	0.00
Closed	21 / 792 3%	3 / 88 3%	2.5	0.5 ( -6 - 3 )	0.61	1.18	8 / 12 ( 3 - 11 )	0.02
<hr/>								
Open/closed: Total	253 / 5295 5%	31 / 470 7%	25.4	5.6 ( -27 - 38 )	0.63	1.22		

Table 7.4. 7 : Summary of excess mortality associated with Bristol derived from CSR data : 1984 - 1987: All ages

Group	Mortality in 11 other centres	Mortality in Bristol	Expected deaths if 'typical'	Excess (95% int.) deaths	Prob excess > 0	RR	Rank (95% int.) out of all centres	Prob. Bristol highest
1: Fallot type	33 / 464 7%	7 / 49 14%	3.4	3.6 ( -4 - 7 )	0.88	2.08		
2: Interatrial TGA	8 / 101 8%	0 / 5 0%	0.5	-0.5 ( -2 - 0 )	0.00	0.00		
3: Other TGA	66 / 423 16%	3 / 35 9%	4.3	-1.3 ( -7 - 2 )	0.23	0.69		
4: TAPVD	24 / 138 17%	6 / 17 35%	3.1	2.9 ( -3 - 6 )	0.85	1.94		
5: AVSD	38 / 179 21%	6 / 16 37%	3.4	2.6 ( -2 - 6 )	0.85	1.74		
6: Closure of ASD	12 / 916 1%	2 / 89 2%	0.7	1.3 ( -1 - 2 )	0.83	2.73		
7: Closure of VSD	46 / 669 7%	0 / 39 0%	2.5	-2.5 ( -7 - 0 )	0.00	0.00		
8: Truncus	33 / 69 48%	3 / 4 75%	1.8	1.2 ( -1 - 3 )	0.75	1.68		
9: Fontan type	25 / 65 38%	2 / 4 50%	1.5	0.5 ( -2 - 2 )	0.52	1.32		
10: Aortic/pulm valv	58 / 499 12%	2 / 38 5%	4.4	-2.4 ( -9 - 2 )	0.11	0.46		
11: Mitral valves	12 / 55 22%	1 / 5 20%	1.1	-0.1 ( -2 - 1 )	0.34	0.92		
12: Closed shunts	0 / 0 0%	0 / 0 0%						
13: Simple coarct	7 / 525 1%	1 / 58 2%	0.6	0.4 ( -2 - 1 )	0.59	1.74		
<hr/>								
Groups 1-13: Total	362 / 4103 9%	33 / 359 9%	27.3	5.7 ( -7 - 18 )	0.82	1.21		
<hr/>								
Open	504 / 4194 12%	40 / 347 12%	37.3	2.7 ( -30 - 24 )	0.63	1.07		
Closed	131 / 3040 4%	21 / 274 8%	11.4	9.6 ( -5 - 18 )	0.93	1.84		
<hr/>								
Open/closed: Total	635 / 7234 9%	61 / 621 10%	48.8	12.2 ( -19 - 43 )	0.78	1.25		
<hr/>								

Table 7.4. 8 : Summary of excess mortality associated with Bristol derived from CSR data : 1988 - 1990: All ages

Group	Mortality in 11 other centres	Mortality in Bristol	Expected deaths if 'typical'	Excess (95% int.) deaths	Prob excess > 0	RR	Rank (95% int.) out of all centres	Prob. Bristol highest
1: Fallot type	49/ 696 7%	9/ 54 17%	4.2	4.8 ( -3 - 9)	0.92	2.16		
2: Interatrial TGA	15/ 93 16%	0/ 3 0%	0.6	-0.6 ( -2 - 0)	0.00	0.00		
3: Other TGA	69/ 470 15%	7/ 45 16%	7.1	-0.1 ( -10 - 6)	0.50	0.98		
4: TAPVD	19/ 166 11%	6/ 13 46%	1.6	4.4 ( 1 - 6)	0.98	3.76		
5: AVSD	42/ 245 17%	8/ 21 38%	4.1	3.9 ( -1 - 8)	0.92	1.95		
6: Closure of ASD	13/ 924 1%	2/ 87 2%	1.1	0.9 ( -2 - 2)	0.70	1.75		
7: Closure of VSD	36/ 809 4%	6/ 70 9%	3.3	2.7 ( -4 - 6)	0.84	1.82		
8: Truncus	38/ 68 56%	4/ 7 57%	3.9	0.1 ( -3 - 3)	0.38	1.02		
9: Fontan type	16/ 128 12%	6/ 11 55%	1.6	4.4 ( 1 - 6)	0.98	3.75		
10: Aortic/pulm valv	62/ 514 12%	1/ 35 3%	3.4	-2.4 ( -7 - 1)	0.05	0.30		
11: Mitral valves	16/ 94 17%	1/ 4 25%	0.7	0.3 ( -1 - 1)	0.47	1.44		
12: Closed shunts	0/ 0 0%	0/ 0 0%						
13: Simple coarct	13/ 574 2%	0/ 62 0%	0.8	-0.8 ( -3 - 0)	0.00	0.00		
<hr/>								
Groups 1-13: Total	388/ 4781 8%	50/ 412 12%	32.4	17.6 ( 3 - 32)	0.99	1.54		
<hr/>								
Open	560/ 5182 11%	68/ 412 17%	44.8	23.2 ( -16 - 48)	0.91	1.52		
Closed	116/ 2720 4%	16/ 279 6%	10.6	5.4 ( -20 - 15)	0.81	1.51		
<hr/>								
Open/closed: Total	676/ 7902 9%	84/ 691 12%	55.3	28.7 ( -10 - 67)	0.93	1.52		
<hr/>								

Table 7.4. 9 : Summary of excess mortality associated with Bristol derived from CSR data : 1991 - Mar95: All ages

Group	Mortality in 11 other centres	Mortality in Bristol	Expected deaths if 'typical'	Excess (95% int.) deaths	Prob excess > 0	RR	Rank (95% int.) out of all centres	Prob. Bristol highest
1: Fallot type	51 / 863 6 %	6 / 58 10 %	3.0	3.0 ( -2 - 6 )	0.88	1.97		
2: Interatrial TGA	15 / 72 21 %	0 / 4 0 %	0.9	-0.9 ( -3 - 0 )	0.00	0.00		
3: Other TGA	79 / 640 12 %	10 / 45 22 %	5.9	4.1 ( -4 - 9 )	0.87	1.68		
4: TAPVD	22 / 184 12 %	6 / 19 32 %	2.6	3.4 ( -1 - 6 )	0.92	2.27		
5: AVSD	54 / 512 11 %	11 / 41 27 %	5.1	5.9 ( -1 - 10 )	0.95	2.17		
6: Closure of ASD	9 / 1399 1 %	2 / 126 2 %	0.8	1.2 ( -2 - 2 )	0.82	2.53		
7: Closure of VSD	26 / 1051 2 %	0 / 90 0 %	2.4	-2.4 ( -7 - 0 )	0.00	0.00		
8: Truncus	28 / 115 24 %	2 / 8 25 %	2.0	0.0 ( -3 - 2 )	0.39	0.99		
9: Fontan type	35 / 301 12 %	7 / 39 18 %	4.4	2.6 ( -7 - 7 )	0.79	1.59		
10: Aortic/pulm valv	41 / 793 5 %	1 / 34 3 %	1.3	-0.3 ( -4 - 1 )	0.34	0.78		
11: Mitral valves	15 / 151 10 %	0 / 9 0 %	0.9	-0.9 ( -3 - 0 )	0.00	0.00		
12: Closed shunts	0 / 0 0 %	0 / 0 0 %						
13: Simple coarct	12 / 711 2 %	0 / 61 0 %	1.0	-1.0 ( -4 - 0 )	0.00	0.00		
<hr/>								
Groups 1-13: Total	387 / 6792 6 %	45 / 534 8 %	30.3	14.7 ( 0 - 29 )	0.98	1.48		
<hr/>								
Open	627 / 7664 8 %	71 / 563 13 %	46.9	24.1 ( -18 - 49 )	0.92	1.51		
Closed	78 / 2631 3 %	8 / 267 3 %	8.7	-0.7 ( -12 - 6 )	0.46	0.91		
<hr/>								
Open/closed: Total	705 / 10295 7 %	79 / 830 10 %	55.6	23.4 ( -14 - 60 )	0.89	1.42		

Table 7.4. 10 : Summary of excess mortality associated with Bristol derived from CSR data : 1984 - Mar95: under 1 yr

Group	Mortality in 11 other centres	Mortality in Bristol	Expected deaths if 'typical'	Excess deaths	Prob excess > 0	RR	Rank (95% int.) out of all centres	Prob. Bristol highest
1: Fallot type	43 / 451 10 %	2 / 4 50 %	0.4	1.6 ( 0 - 2 )	0.95	5.45		
2: Interatrial TGA	34 / 188 18 %	0 / 11 0 %	1.9	-1.9 ( -5 - 0 )	0.00	0.00		
3: Other TGA	188 / 1221 15 %	15 / 82 18 %	13.6	1.4 ( -10 - 10 )	0.60	1.10		
4: TAPVD	61 / 407 15 %	17 / 45 38 %	7.1	9.9 ( 2 - 15 )	0.99	2.39		
5: AVSD	88 / 538 16 %	15 / 49 31 %	8.5	6.5 ( -1 - 12 )	0.94	1.76		
6: Closure of ASD	16 / 255 6 %	5 / 10 50 %	0.8	4.2 ( 2 - 5 )	1.00	6.43		
7: Closure of VSD	76 / 1461 5 %	4 / 91 4 %	4.7	-0.7 ( -8 - 3 )	0.38	0.85		
8: Truncus	92 / 223 41 %	9 / 16 56 %	6.9	2.1 ( -2 - 6 )	0.77	1.30		
9: Fontan type	10 / 30 33 %	1 / 1 100 %	0.4	0.6 ( 0 - 1 )	0.64	2.75		
10: Aortic/pulm valv	101 / 520 19 %	4 / 18 22 %	4.3	-0.3 ( -5 - 3 )	0.39	0.93		
11: Mitral valves	12 / 65 18 %	0 / 2 0 %	0.4	-0.4 ( -2 - 0 )	0.00	0.00		
12: Closed shunts	0 / 0 0 %	0 / 0 0 %						
13: Simple coarct	29 / 1105 3 %	1 / 72 1 %	1.9	-0.9 ( -5 - 1 )	0.19	0.53		
<hr/>								
Groups 1-13: Total	750 / 6464 12 %	73 / 401 18 %	50.9	22.1 ( 5 - 39 )	0.99	1.43		
<hr/>								
Open	998 / 6314 16 %	90 / 352 26 %	60.4	29.6 ( 0 - 53 )	0.97	1.49		
Closed	262 / 5393 5 %	35 / 485 7 %	23.5	11.5 ( -17 - 27 )	0.87	1.49		
<hr/>								
Open/closed: Total	1260 / 11707 11 %	125 / 837 15 %	83.9	41.1 ( 5 - 77 )	0.99	1.49		
<hr/>								

Table 7.4. 11 : Summary of excess mortality associated with Bristol derived from CSR data : 1984 - Mar95: 1 to 15 years

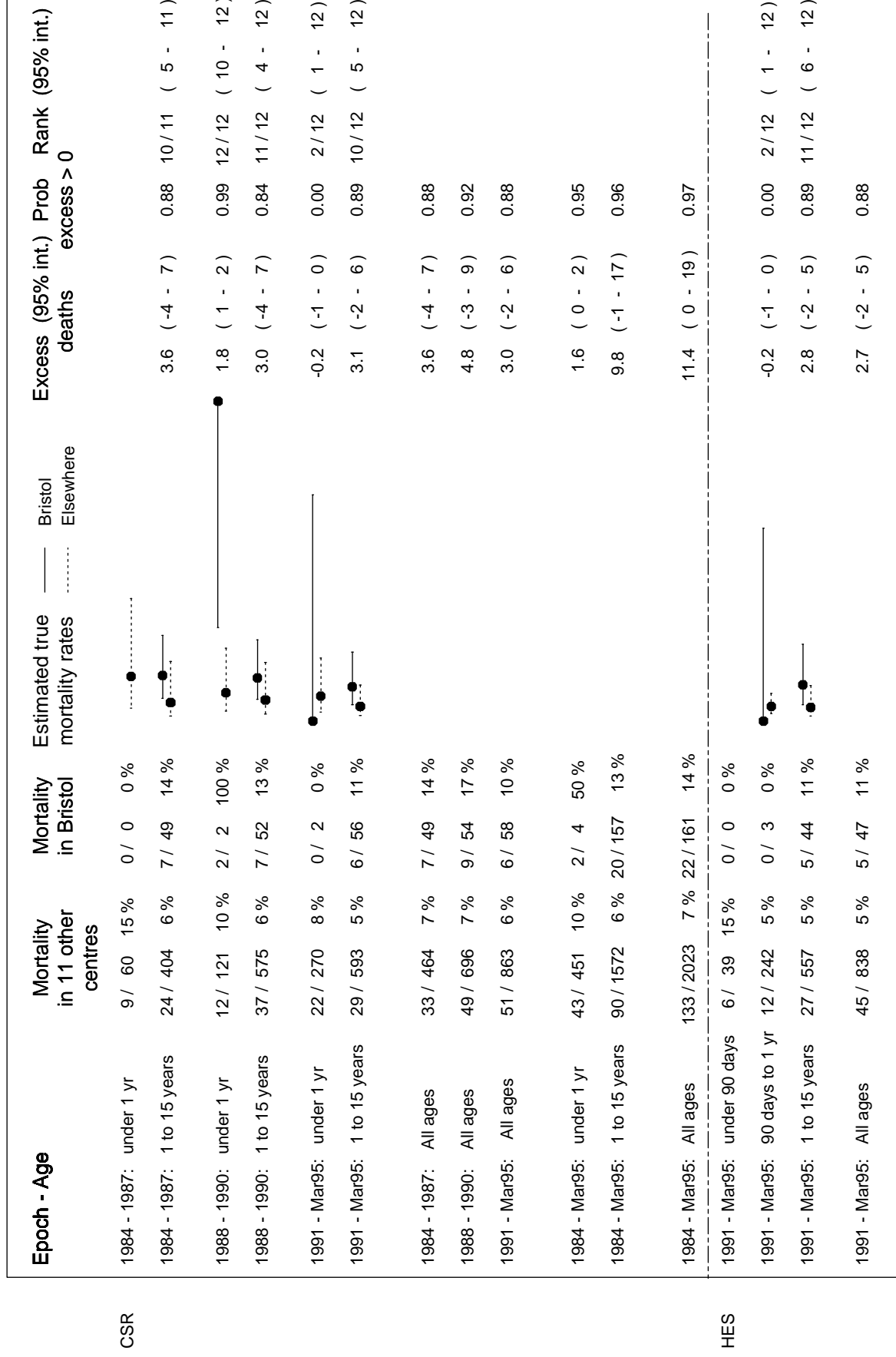
Group	Mortality in 11 other centres	Mortality in Bristol	Expected deaths if 'typical'	Excess deaths	Prob excess > 0	RR	Rank (95% int.) out of all centres	Prob. Bristol highest
1: Fallot type	90 / 1572 6 %	20 / 157 13 %	10.2	9.8 ( -1 - 17 )	0.96	1.96		
2: Interatrial TGA	4 / 78 5 %	0 / 1 0 %	0.1	-0.1 ( -1 - 0 )	0.00	0.00		
3: Other TGA	26 / 312 8 %	5 / 43 12 %	3.7	1.3 ( -4 - 5 )	0.68	1.34		
4: TAPVD	4 / 81 5 %	1 / 4 25 %	0.2	0.8 ( 0 - 1 )	0.81	4.74		
5: AVSD	46 / 398 12 %	10 / 29 34 %	4.1	5.9 ( 1 - 10 )	0.98	2.43		
6: Closure of ASD	18 / 2984 1 %	1 / 292 0 %	1.9	-0.9 ( -5 - 1 )	0.20	0.53		
7: Closure of VSD	32 / 1068 3 %	2 / 108 2 %	3.4	-1.4 ( -7 - 2 )	0.20	0.59		
8: Truncus	7 / 29 24 %	0 / 3 0 %	0.8	-0.8 ( -2 - 0 )	0.00	0.00		
9: Fontan type	66 / 464 14 %	14 / 53 26 %	7.2	6.8 ( -3 - 13 )	0.93	1.96		
10: Aortic/pulm valv	60 / 1286 5 %	0 / 89 0 %	4.8	-4.8 ( -12 - -1 )	0.00	0.00		
11: Mitral valves	31 / 235 13 %	2 / 16 12 %	2.3	-0.3 ( -4 - 2 )	0.34	0.88		
12: Closed shunts	0 / 0 0 %	0 / 0 0 %						
13: Simple coarct	3 / 705 0 %	0 / 109 0 %	0.5	-0.5 ( -3 - 0 )	0.00	0.00		
<hr/>								
Groups 1-13: Total	387 / 9212 4 %	55 / 904 6 %	39.1	15.9 ( -1 - 32 )	0.97	1.41		
<hr/>								
Open	693 / 10726 6 %	89 / 970 9 %	68.6	20.4 ( -38 - 56 )	0.83	1.30		
Closed	63 / 2998 2 %	10 / 335 3 %	7.2	2.8 ( -7 - 9 )	0.77	1.39		
<hr/>								
Open/closed: Total	756 / 13724 6 %	99 / 1305 8 %	75.8	23.2 ( -27 - 74 )	0.82	1.31		
<hr/>								

Table 7.4. 12: Summary of excess mortality associated with Bristol derived from CSR data : 1984 - Mar95: All ages

Group	Mortality in 11 other centres	Mortality in Bristol	Expected deaths if 'typical'	Excess (95% int.) deaths	Prob excess > 0	RR	Rank (95% int.) out of all centres	Prob. Bristol highest
1: Fallot type	133/ 2023 7 %	22/ 161 14 %	10.6	11.4 ( 0 - 19 )	0.97	2.08		
2: Interatrial TGA	38/ 266 14 %	0/ 12 0 %	2.0	-2.0 ( -5 - 0 )	0.00	0.00		
3: Other TGA	214/ 1533 14 %	20/ 125 16 %	17.4	2.6 ( -10 - 12 )	0.68	1.15		
4: TAPVD	65/ 488 13 %	18/ 49 37 %	7.3	10.7 ( 3 - 16 )	0.99	2.46		
5: AVSD	134/ 936 14 %	25/ 78 32 %	12.6	12.4 ( 3 - 20 )	0.99	1.98		
6: Closure of ASD	34/ 3239 1 %	6/ 302 2 %	2.7	3.3 ( -1 - 6 )	0.92	2.25		
7: Closure of VSD	108/ 2529 4 %	6/ 199 3 %	8.1	-2.1 ( -10 - 4 )	0.25	0.74		
8: Truncus	99/ 252 39 %	9/ 19 47 %	7.7	1.3 ( -3 - 6 )	0.64	1.17		
9: Fontan type	76/ 494 15 %	15/ 54 28 %	7.5	7.5 ( -3 - 13 )	0.94	1.99		
10: Aortic/pulm valv	161/ 1806 9 %	4/ 107 4 %	9.1	-5.1 ( -13 - 1 )	0.04	0.44		
11: Mitral valves	43/ 300 14 %	2/ 18 11 %	2.7	-0.7 ( -4 - 2 )	0.25	0.75		
12: Closed shunts	0/ 0 0 %	0/ 0 0 %						
13: Simple coarct	32/ 1810 2 %	1/ 181 1 %	2.4	-1.4 ( -5 - 1 )	0.12	0.42		
<hr/>								
Groups 1-13: Total	1137/ 15676 7 %	128/ 1305 10 %	90.0	38.0 ( 14 - 62 )	1.00	1.42		
<hr/>								
Open	1691/ 17040 10 %	179/ 1322 14 %	129.0	50.0 ( -14 - 94 )	0.95	1.39		
Closed	325/ 8391 4 %	45/ 820 5 %	30.7	14.3 ( -16 - 32 )	0.89	1.46		
<hr/>								
Open/closed: Total	2016/ 25431 8 %	224/ 2142 10 %	159.7	64.3 ( 2 - 126 )	0.98	1.40		
<hr/>								



Table 7.5. 1 : Summary of CSR and HES data for 1: Fallot type



% Mortality Rate

Table 7.5.2 : Summary of CSR and HES data for 2: Interatrial TGA

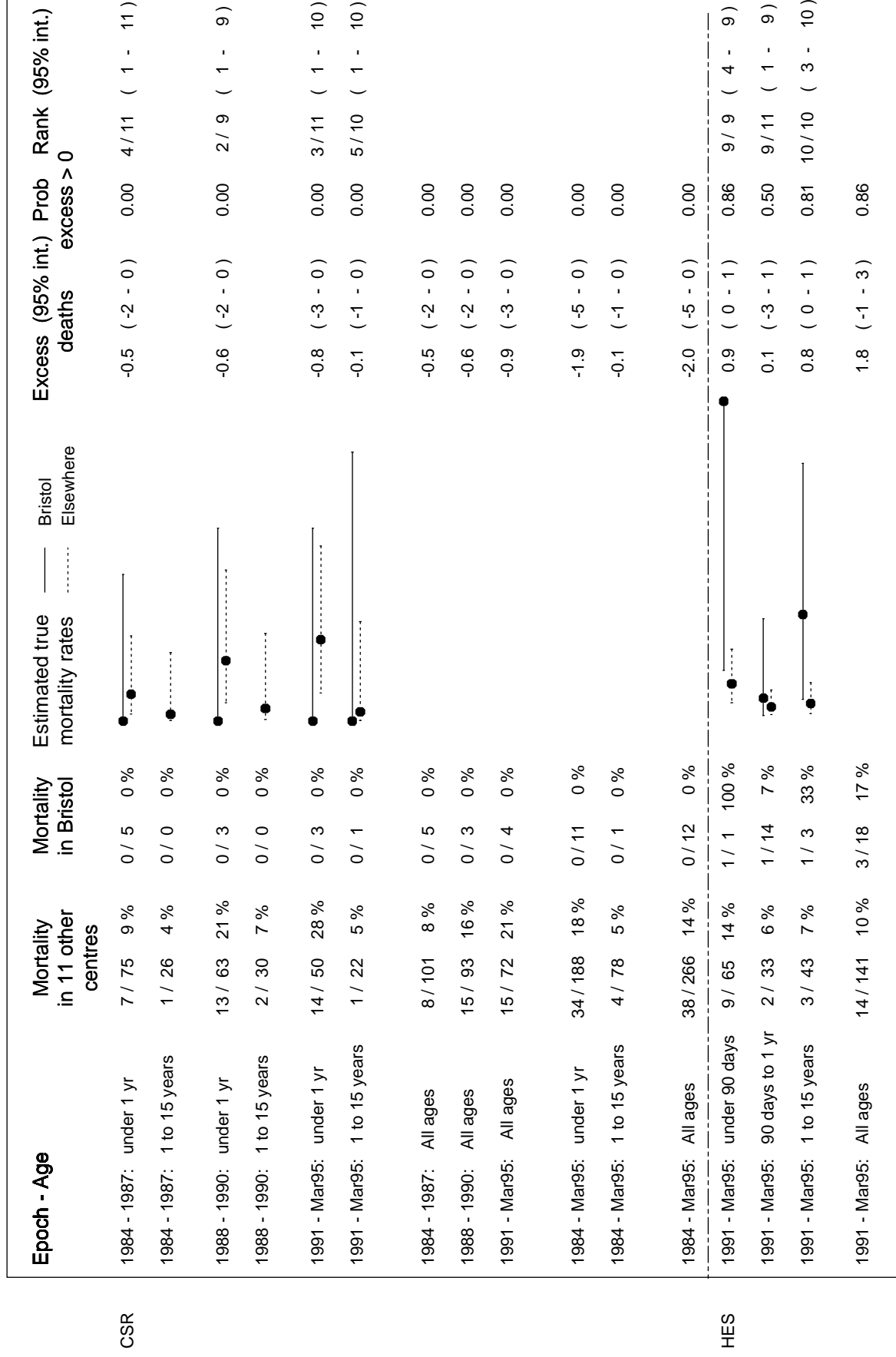
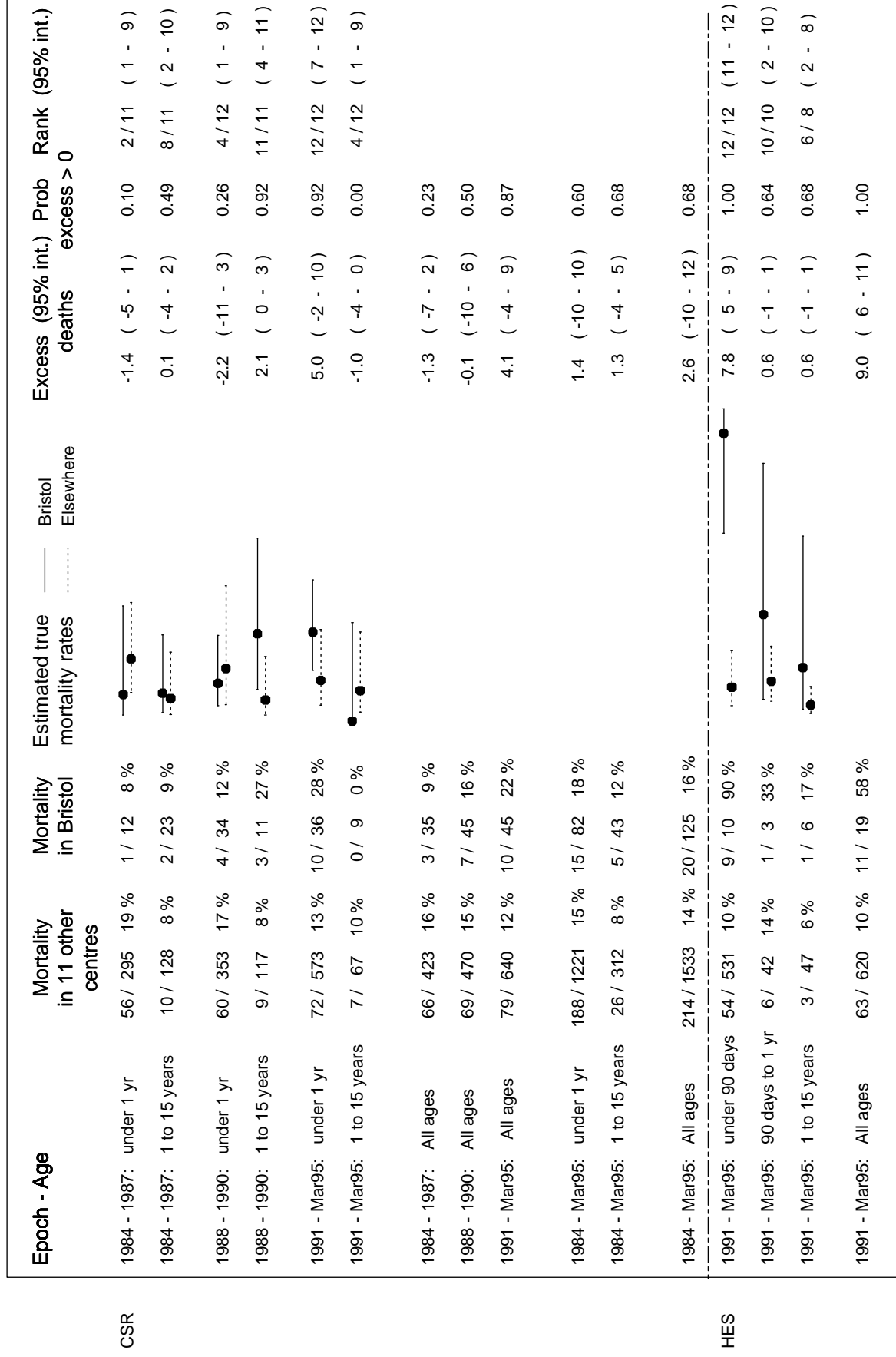


Table 7.5.3 : Summary of CSR and HES data for 3: Other TGA

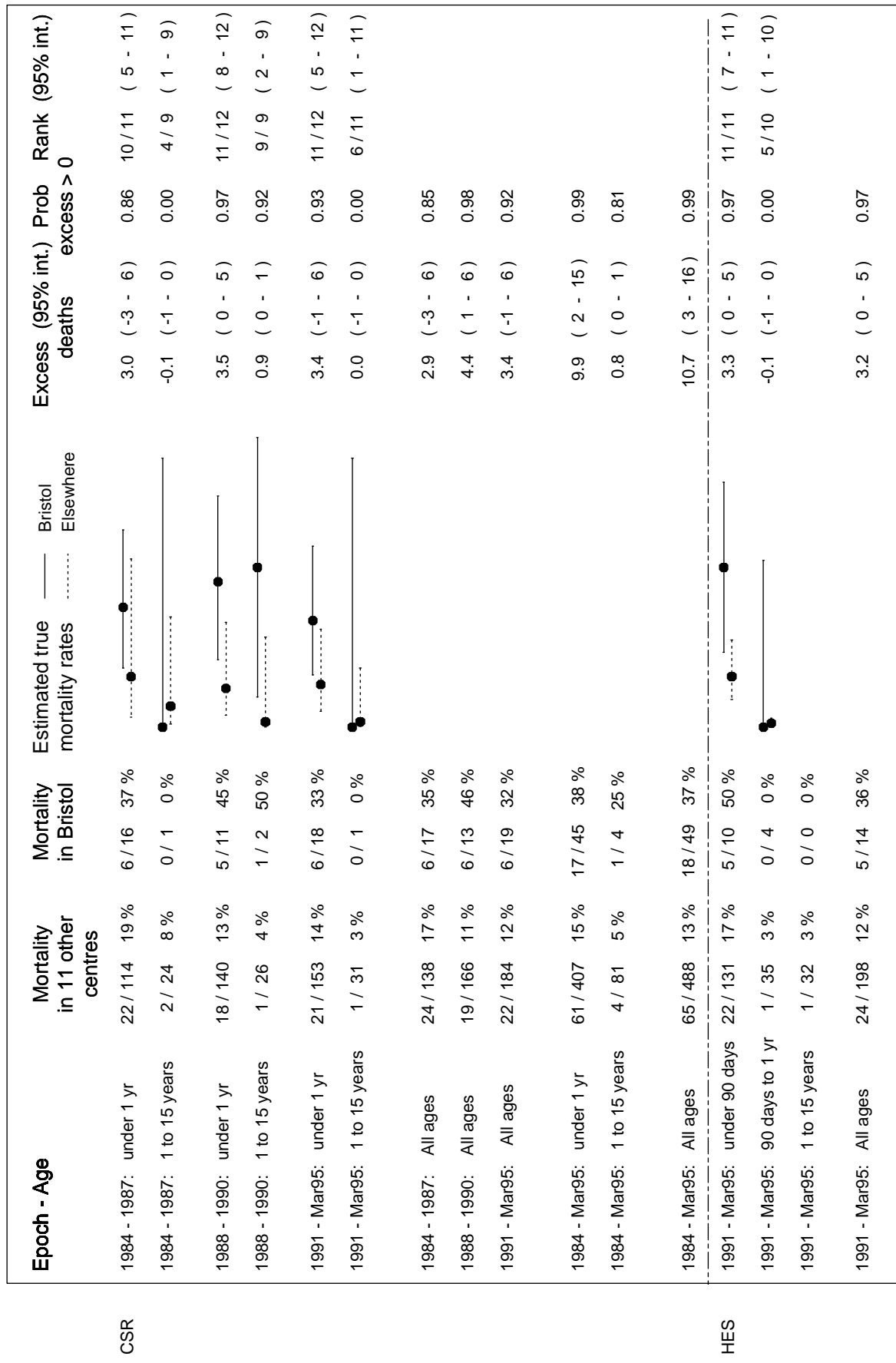


CSR

HES

% Mortality Rate

Table 7.5.4 : Summary of CSR and HES data for 4: TAPVD

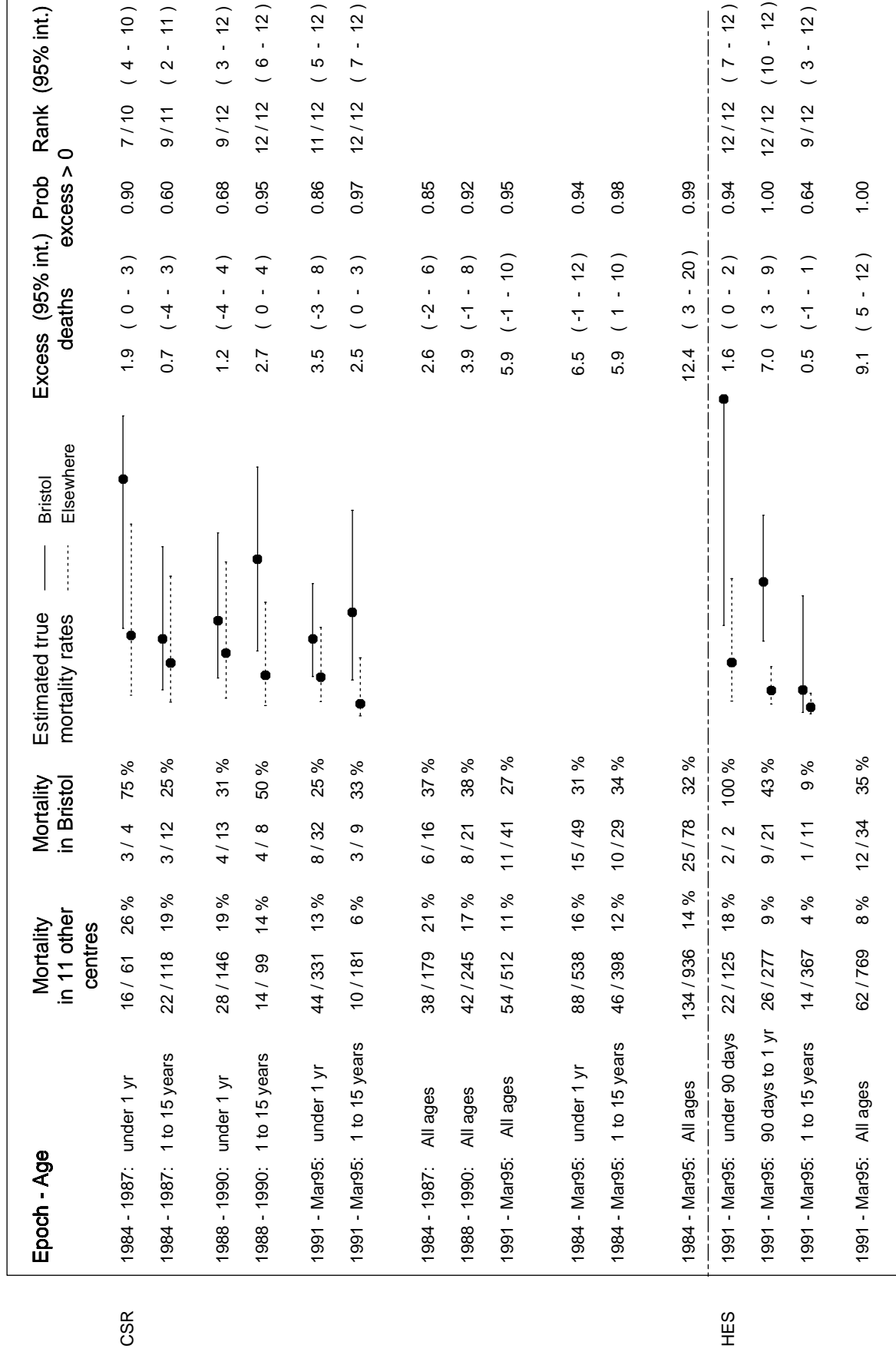


CSR

HES

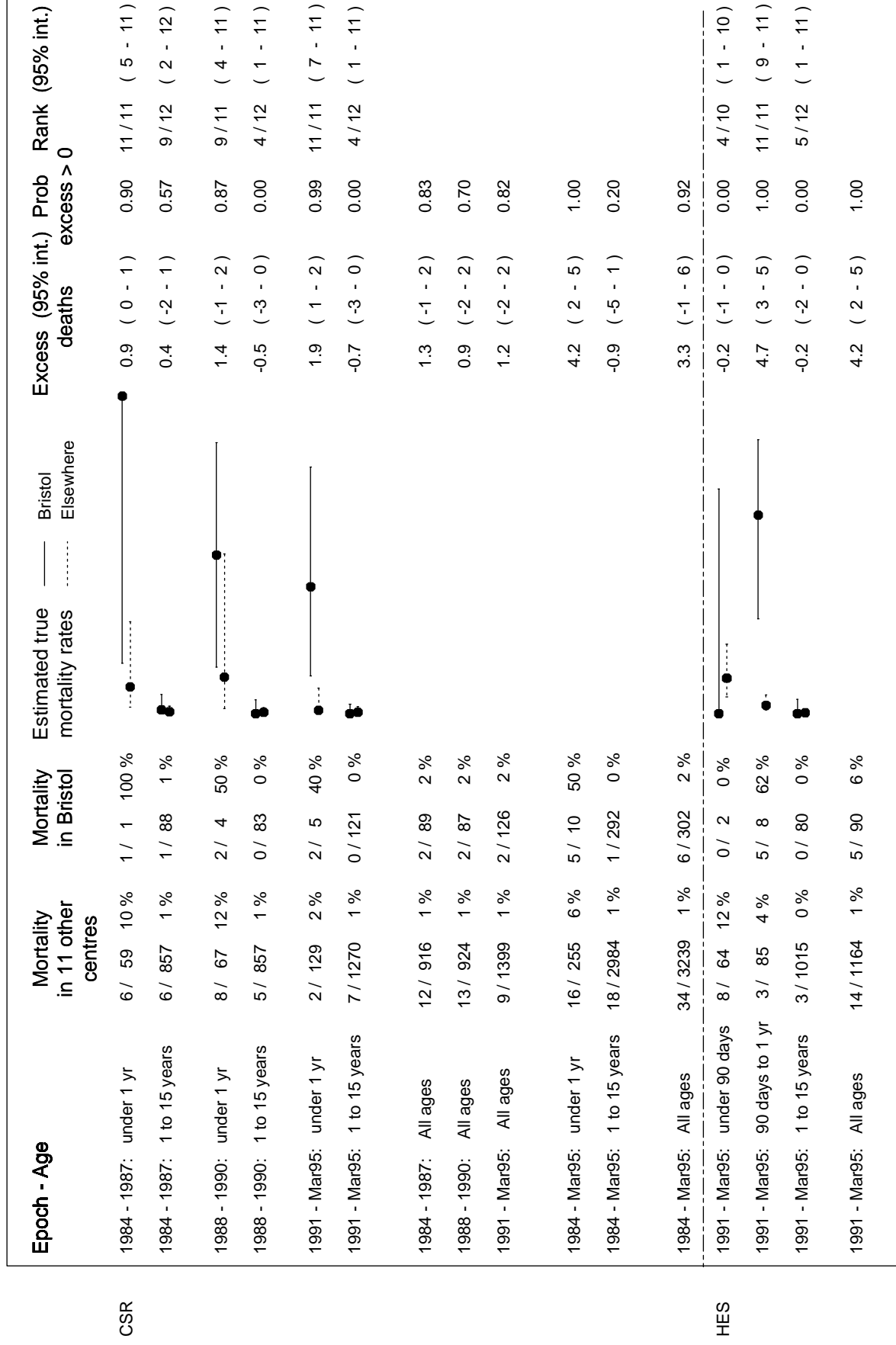
% Mortality Rate

Table 7.5.5 : Summary of CSR and HES data for 5: AVSD



% Mortality Rate

Table 7.5. 6 : Summary of CSR and HES data for 6: Closure of ASD



% Mortality Rate

Table 7.5.7 : Summary of CSR and HES data for 7: Closure of VSD

Epoch - Age	Mortality in 11 other centres	Mortality in Bristol	Estimated true mortality rates	Bristol		Excess (95% int.) deaths	Prob excess > 0	Rank (95% int.)
				—	.....			
1984 - 1987: under 1 yr	34 / 338 10%	0 / 12 0%		—	.....	-1.5 ( -5 - 0)	0.00	2 / 11 ( 1 - 9)
1984 - 1987: 1 to 15 years	12 / 331 4%	0 / 27 0%		—	.....	-1.0 ( -4 - 0)	0.00	3 / 11 ( 1 - 10)
1988 - 1990: under 1 yr	24 / 434 6%	4 / 28 14%		—	.....	2.1 ( -3 - 4)	0.85	9 / 11 ( 6 - 11)
1988 - 1990: 1 to 15 years	12 / 375 3%	2 / 42 5%		—	.....	0.6 ( -3 - 2)	0.61	8 / 11 ( 2 - 11)
1991 - Mar95: under 1 yr	18 / 689 3%	0 / 51 0%		—	.....	-1.4 ( -5 - 0)	0.00	2 / 12 ( 1 - 10)
1991 - Mar95: 1 to 15 years	8 / 362 2%	0 / 39 0%		—	.....	-1.0 ( -4 - 0)	0.00	4 / 12 ( 1 - 10)
1984 - 1987: All ages	46 / 669 7%	0 / 39 0%		—	.....	-2.5 ( -7 - 0)	0.00	
1988 - 1990: All ages	36 / 809 4%	6 / 70 9%		—	.....	2.7 ( -4 - 6)	0.84	
1991 - Mar95: All ages	26 / 1051 2%	0 / 90 0%		—	.....	-2.4 ( -7 - 0)	0.00	
1984 - Mar95: under 1 yr	76 / 1461 5%	4 / 91 4%		—	.....	-0.7 ( -8 - 3)	0.38	
1984 - Mar95: 1 to 15 years	32 / 1068 3%	2 / 108 2%		—	.....	-1.4 ( -7 - 2)	0.20	
1984 - Mar95: All ages	108 / 2529 4%	6 / 199 3%		—	.....	-2.1 ( -10 - 4)	0.25	
1991 - Mar95: under 90 days	31 / 267 12%	0 / 1 0%		—	.....	-0.1 ( -1 - 0)	0.00	1 / 12 ( 1 - 12)
1991 - Mar95: 90 days to 1 yr	14 / 544 3%	0 / 46 0%		—	.....	-1.3 ( -5 - 0)	0.00	2 / 12 ( 1 - 10)
1991 - Mar95: 1 to 15 years	20 / 465 4%	1 / 46 2%		—	.....	-1.0 ( -5 - 1)	0.17	3 / 12 ( 1 - 11)
1991 - Mar95: All ages	65 / 1276 5%	1 / 93 1%		—	.....	-2.4 ( -7 - 1)	0.05	

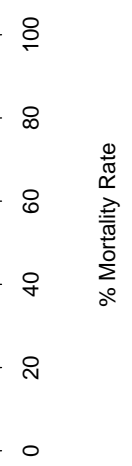
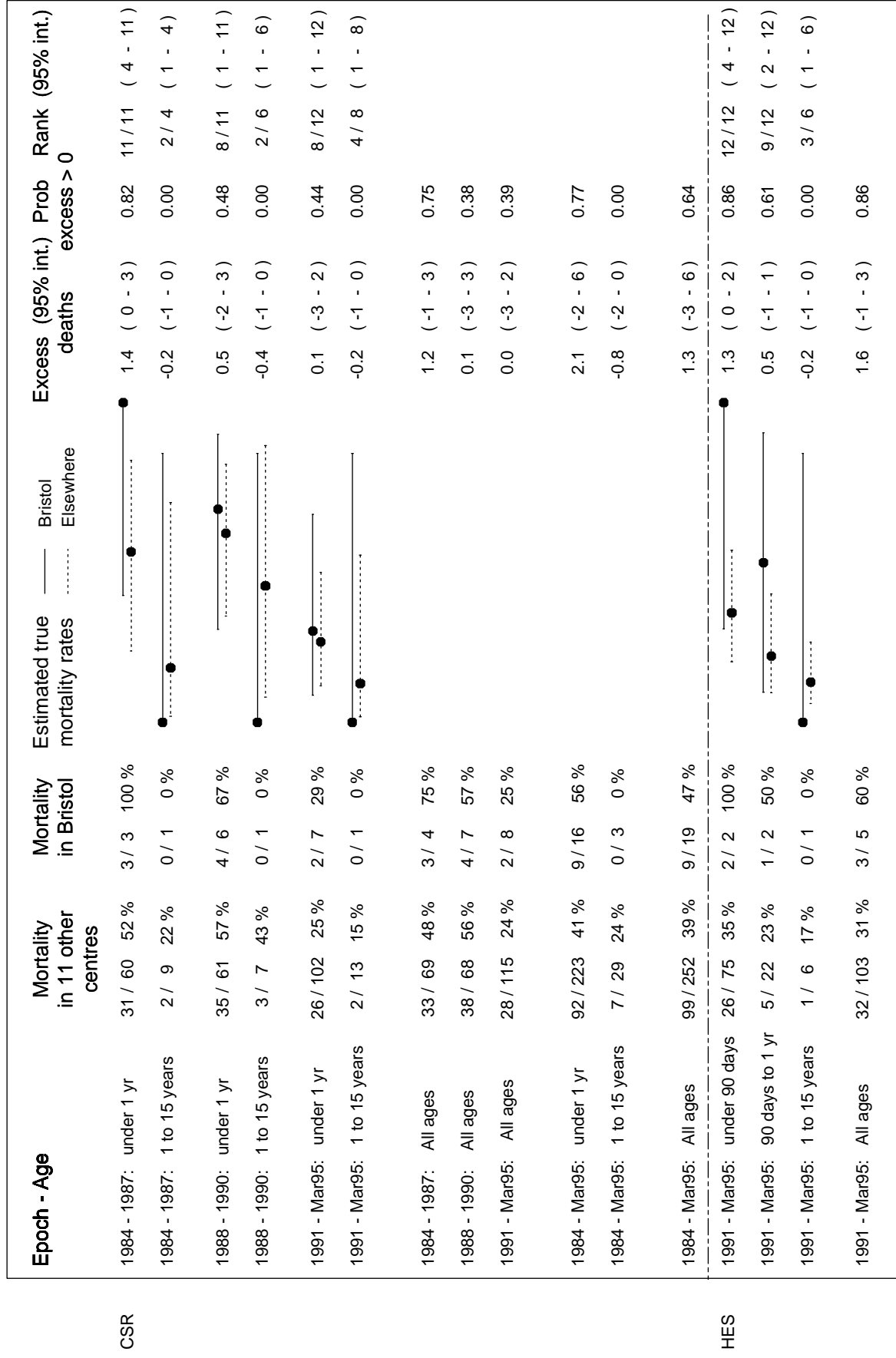


Table 7.5.8 : Summary of CSR and HES data for 8: Truncus



CSR

HES

% Mortality Rate



Table 7.5.9 : Summary of CSR and HES data for 9: Fontan type

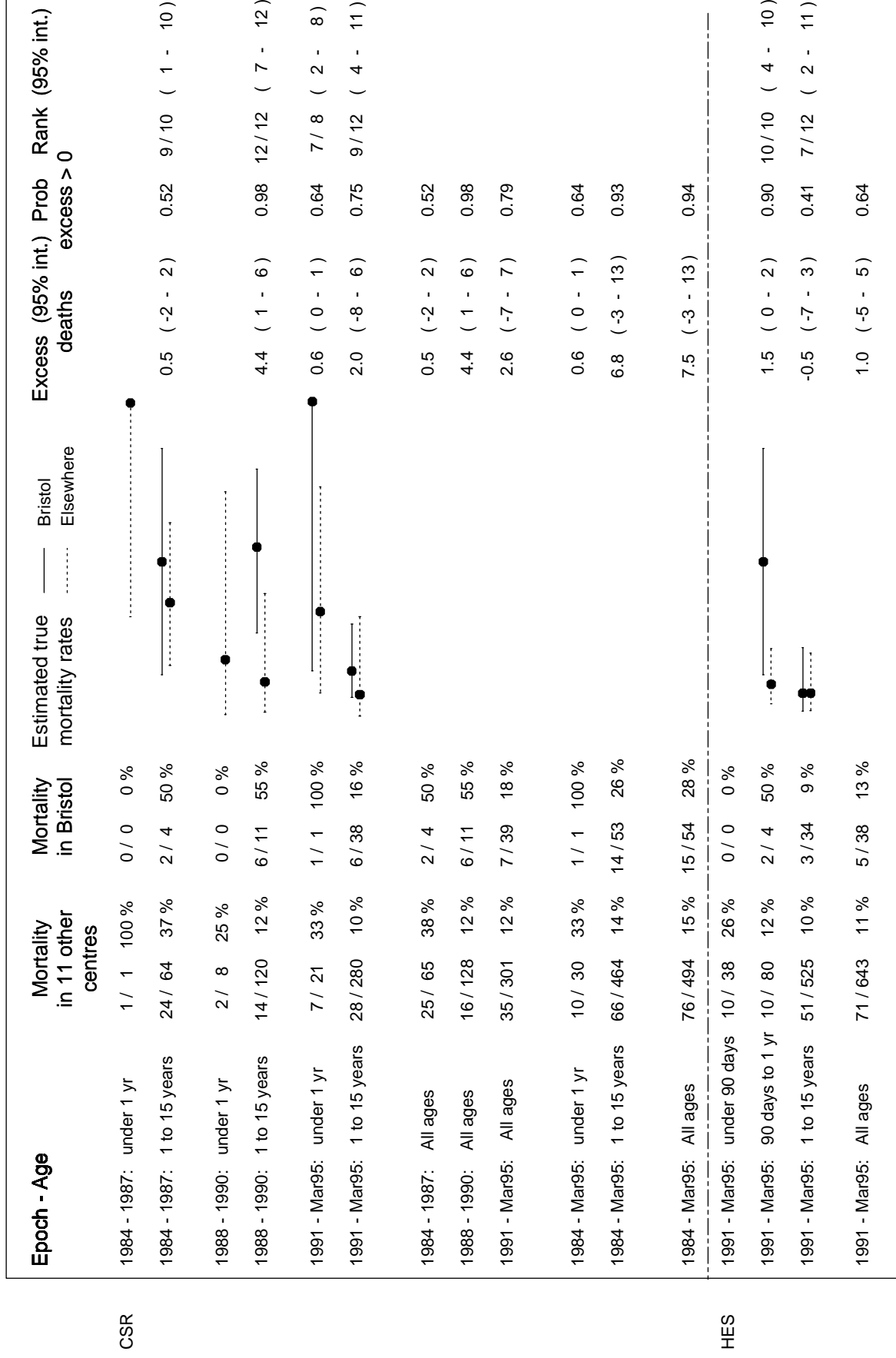


Table 7.5. 10 : Summary of CSR and HES data for 10: Aortic and pulmonary valves

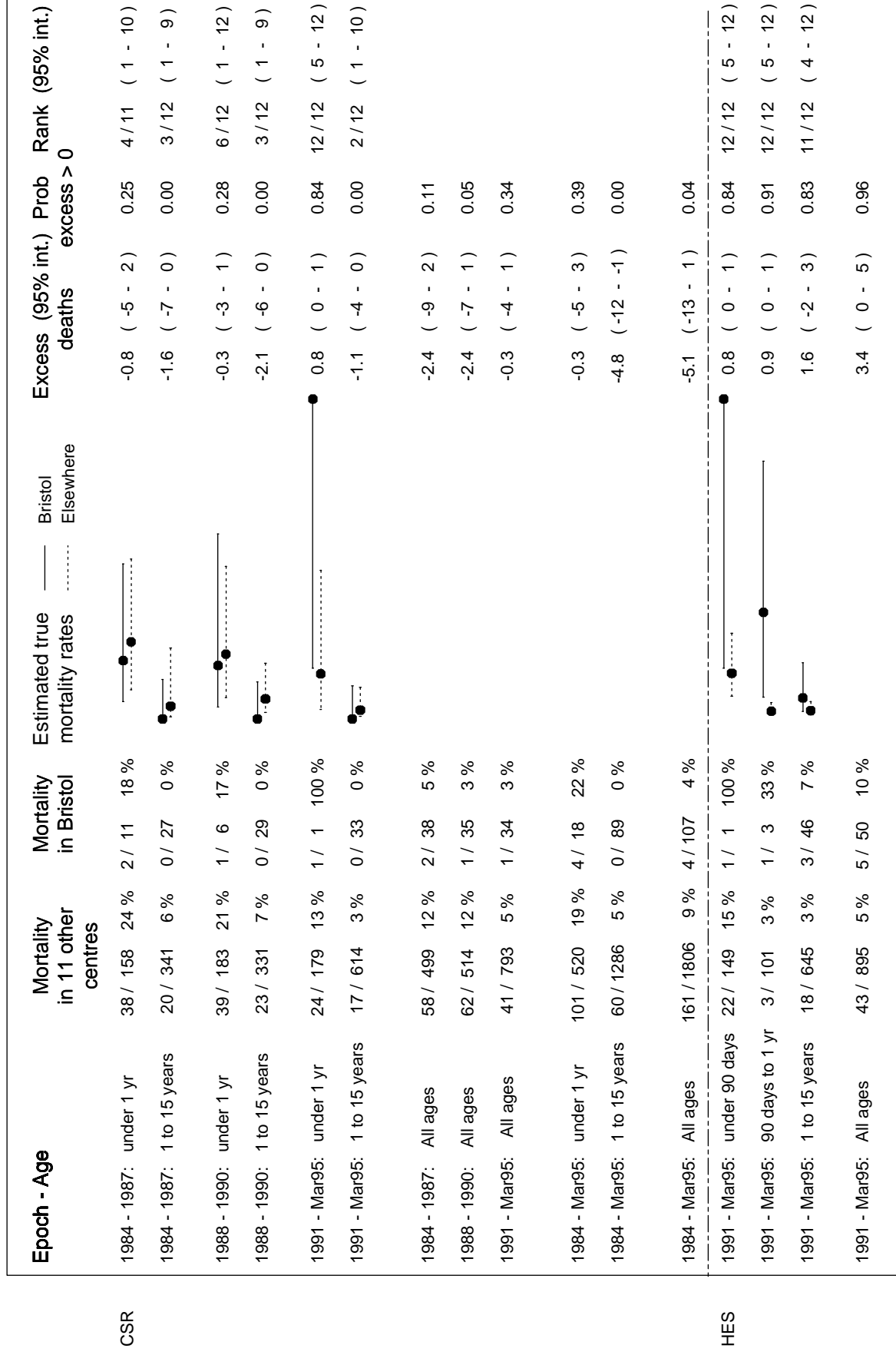


Table 7.5. 11 : Summary of CSR and HES data for 11: Mitral valves

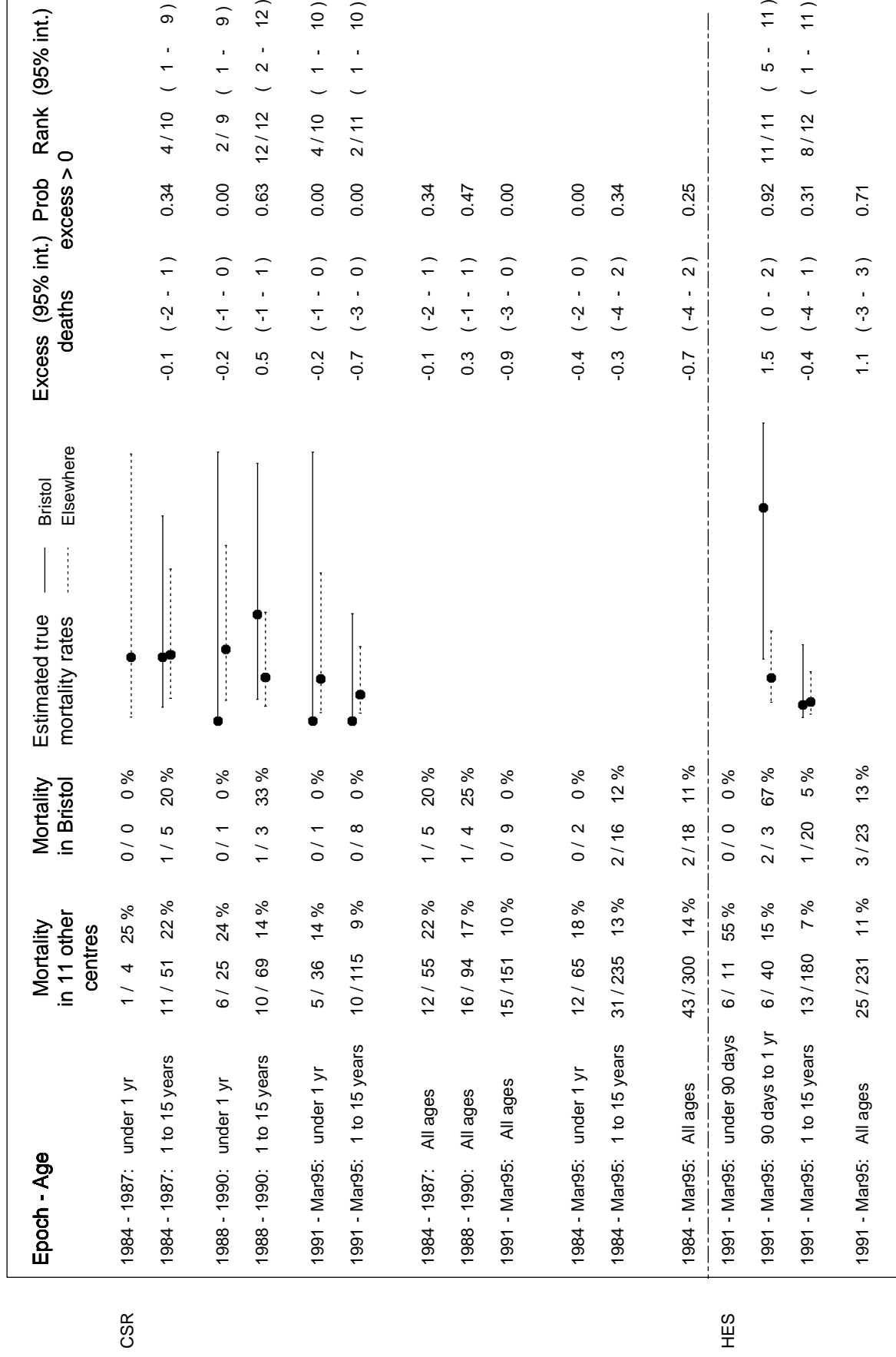


Table 7.5. 12 : Summary of CSR and HES data for 12: Closed shunts

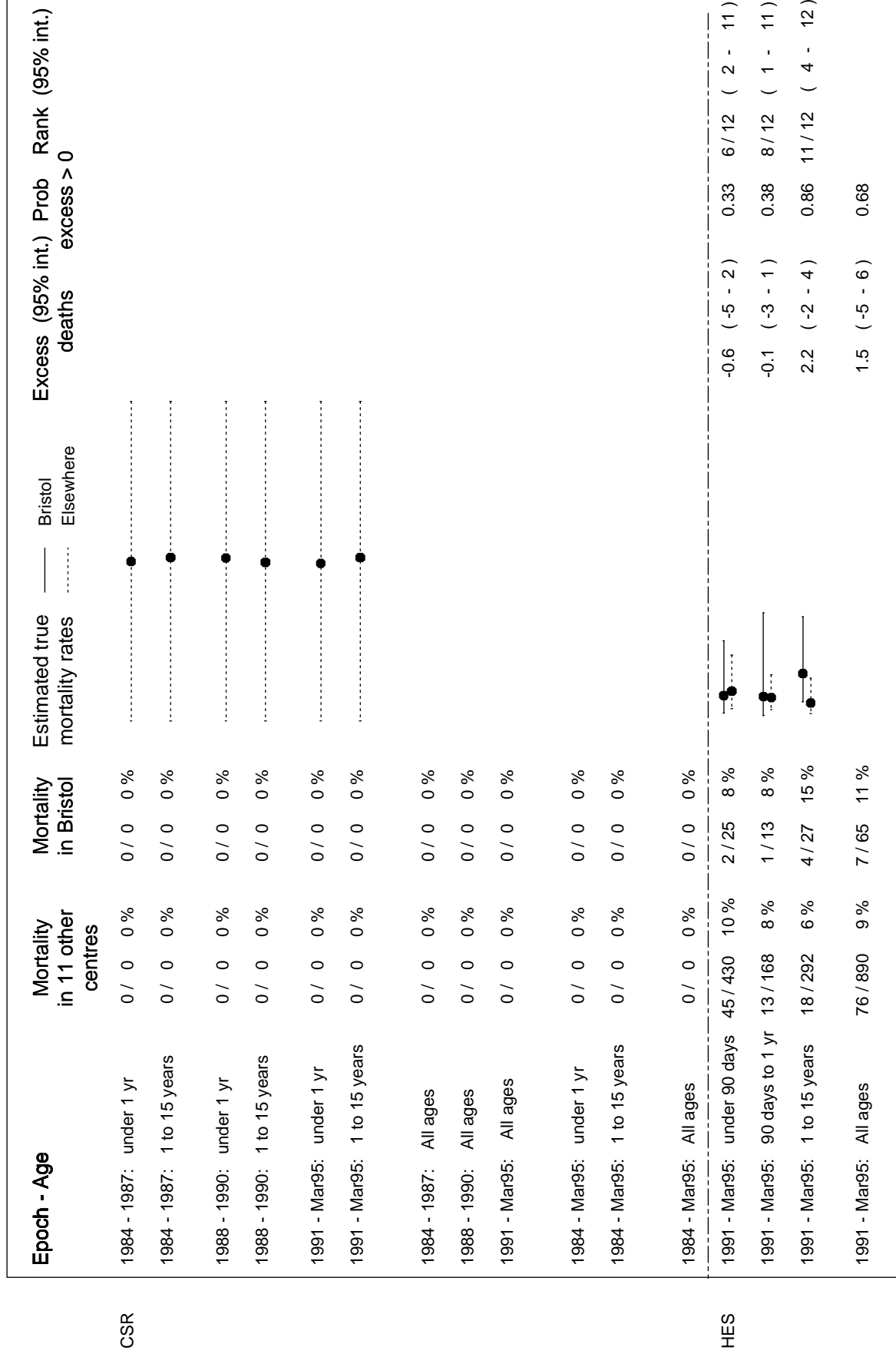


Table 7.5. 13 : Summary of CSR and HES data for 13: Simple coarctation

Epoch - Age	Mortality in 11 other centres	Mortality in Bristol	Estimated true mortality rates	Bristol		Excess (95% int.) deaths	Prob excess > 0	Rank (95% int.)
				—	.....			
1984 - 1987: under 1 yr	7 / 302 2 %	1 / 23 4 %				0.5 (-2 - 1)	0.62	11 / 12 ( 2 - 12 )
1984 - 1987: 1 to 15 years	0 / 223 0 %	0 / 35 0 %				0.0 (-1 - 0)	0.00	6 / 12 ( 1 - 11 )
1988 - 1990: under 1 yr	13 / 339 4 %	0 / 19 0 %				-0.7 (-3 - 0)	0.00	4 / 12 ( 1 - 11 )
1988 - 1990: 1 to 15 years	0 / 235 0 %	0 / 43 0 %				-0.1 (-1 - 0)	0.00	6 / 12 ( 1 - 10 )
1991 - Mar95: under 1 yr	9 / 464 2 %	0 / 30 0 %				-0.6 (-3 - 0)	0.00	4 / 12 ( 1 - 12 )
1991 - Mar95: 1 to 15 years	3 / 247 1 %	0 / 31 0 %				-0.4 (-2 - 0)	0.00	5 / 12 ( 1 - 11 )
1984 - 1987: All ages	7 / 525 1 %	1 / 58 2 %				0.4 (-2 - 1)	0.59	
1988 - 1990: All ages	13 / 574 2 %	0 / 62 0 %				-0.8 (-3 - 0)	0.00	
1991 - Mar95: All ages	12 / 711 2 %	0 / 61 0 %				-1.0 (-4 - 0)	0.00	
1984 - Mar95: under 1 yr	29 / 1105 3 %	1 / 72 1 %				-0.9 (-5 - 1)	0.19	
1984 - Mar95: 1 to 15 years	3 / 705 0 %	0 / 109 0 %				-0.5 (-3 - 0)	0.00	
1984 - Mar95: All ages	32 / 1810 2 %	1 / 181 1 %				-1.4 (-5 - 1)	0.12	
1991 - Mar95: under 90 days	15 / 372 4 %	2 / 52 4 %				-0.2 (-4 - 2)	0.42	6 / 12 ( 1 - 11 )
1991 - Mar95: 90 days to 1 yr	2 / 54 4 %	0 / 12 0 %				-0.4 (-2 - 0)	0.00	5 / 11 ( 1 - 9 )
1991 - Mar95: 1 to 15 years	0 / 159 0 %	0 / 28 0 %				0.0 ( 0 - 0 )	0.00	6 / 12 ( 1 - 10 )
1991 - Mar95: All ages	17 / 585 3 %	2 / 92 2 %				-0.6 (-5 - 2)	0.32	

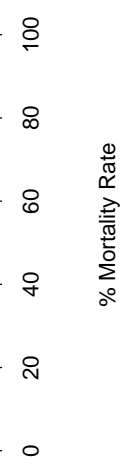


Table 7.5. 14 : Summary of CSR and HES data for 88: Open

Epoch - Age	Mortality in 11 other centres	Mortality in Bristol	Estimated true mortality rates	Bristol Elsewhere	Excess (95% int.) deaths	Prob excess > 0	Rank (95% int.)
1984 - 1987: under 1 yr	267 / 1290 21 % 16 / 63 25 %	25 %	.....	.....	2.0 (-12 - 12)	0.65	7 / 11 ( 3 - 11 )
1984 - 1987: 1 to 15 years	237 / 2904 8 % 24 / 284 8 %	8 %	.....	.....	0.7 (-30 - 18)	0.59	7 / 12 ( 4 - 11 )
1988 - 1990: under 1 yr	336 / 1863 18 % 31 / 108 29 %	29 %	.....	.....	8.7 (-12 - 23)	0.83	10 / 12 ( 7 - 12 )
1988 - 1990: 1 to 15 years	224 / 3319 7 % 37 / 304 12 %	12 %	.....	.....	14.6 (-19 - 32)	0.88	11 / 12 ( 8 - 12 )
1991 - Mar95: under 1 yr	395 / 3161 12 % 43 / 181 24 %	24 %	.....	.....	19.0 ( 2 - 32 )	0.98	12 / 12 ( 10 - 12 )
1991 - Mar95: 1 to 15 years	232 / 4503 5 % 28 / 382 7 %	7 %	.....	.....	5.2 (-35 - 24)	0.72	9 / 12 ( 6 - 10 )
1984 - 1987: All ages	504 / 4194 12 % 40 / 347 12 %	12 %			2.7 (-30 - 24)	0.63	
1988 - 1990: All ages	560 / 5182 11 % 68 / 412 17 %	17 %			23.2 (-16 - 48)	0.91	
1991 - Mar95: All ages	627 / 7664 8 % 71 / 563 13 %	13 %			24.1 (-18 - 49)	0.92	
1984 - Mar95: under 1 yr	998 / 6314 16 % 90 / 352 26 %	26 %			29.6 ( 0 - 53 )	0.97	
1984 - Mar95: 1 to 15 years	693 / 10726 6 % 89 / 970 9 %	9 %			20.4 (-38 - 56)	0.83	
1984 - Mar95: All ages	1691 / 17040 10 % 179 / 1322 14 %	14 %			50.0 (-14 - 94)	0.95	
1991 - Mar95: under 90 days	254 / 1615 16 % 19 / 30 63 %	63 %	.....	.....	13.9 ( 8 - 18 )	1.00	12 / 12 ( 12 - 12 )
1991 - Mar95: 90 days to 1 yr	102 / 1561 7 % 22 / 113 19 %	19 %	.....	.....	14.4 ( 7 - 20 )	1.00	12 / 12 ( 11 - 12 )
1991 - Mar95: 1 to 15 years	194 / 4211 5 % 21 / 314 7 %	7 %	.....	.....	6.0 (-14 - 17)	0.80	11 / 12 ( 6 - 11 )
1991 - Mar95: All ages	550 / 7387 7 % 62 / 457 14 %	14 %			34.3 ( 13 - 49 )	0.99	

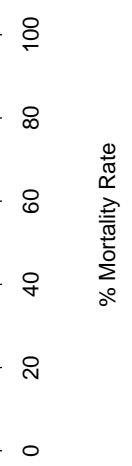


Table 7.5. 15 : Summary of CSR and HES data for 99: Closed

Epoch - Age	Mortality in 11 other centres	Mortality in Bristol	Estimated true mortality rates	Bristol		Excess (95% int.) deaths	Prob excess > 0	Rank (95% int.)
				—	.....			
1984 - 1987: under 1 yr	110 / 1814 6 %	18 / 154 12 %				8.6 ( -5 - 16 )	0.92	11 / 12 ( 8 - 12 )
1984 - 1987: 1 to 15 years	21 / 1226 2 %	3 / 120 2 %				1.0 ( -4 - 3 )	0.69	10 / 12 ( 3 - 12 )
1988 - 1990: under 1 yr	95 / 1740 5 %	12 / 152 8 %				4.1 ( -21 - 12 )	0.79	11 / 12 ( 6 - 11 )
1988 - 1990: 1 to 15 years	21 / 980 2 %	4 / 127 3 %				1.4 ( -5 - 4 )	0.73	9 / 12 ( 4 - 12 )
1991 - Mar95: under 1 yr	57 / 1839 3 %	5 / 179 3 %				-1.2 ( -11 - 4 )	0.38	5 / 12 ( 2 - 11 )
1991 - Mar95: 1 to 15 years	21 / 792 3 %	3 / 88 3 %				0.5 ( -6 - 3 )	0.61	8 / 12 ( 3 - 11 )
1984 - 1987: All ages	131 / 3040 4 %	21 / 274 8 %				9.6 ( -5 - 18 )	0.93	
1988 - 1990: All ages	116 / 2720 4 %	16 / 279 6 %				5.4 ( -20 - 15 )	0.81	
1991 - Mar95: All ages	78 / 2631 3 %	8 / 267 3 %				-0.7 ( -12 - 6 )	0.46	
1984 - Mar95: under 1 yr	262 / 5393 5 %	35 / 485 7 %				11.5 ( -17 - 27 )	0.87	
1984 - Mar95: 1 to 15 years	63 / 2998 2 %	10 / 335 3 %				2.8 ( -7 - 9 )	0.77	
1984 - Mar95: All ages	325 / 8391 4 %	45 / 820 5 %				14.3 ( -16 - 32 )	0.89	
1991 - Mar95: under 90 days	61 / 1323 5 %	5 / 96 5 %				0.4 ( -7 - 5 )	0.55	8 / 12 ( 2 - 12 )
1991 - Mar95: 90 days to 1 yr	17 / 461 4 %	2 / 57 4 %				-0.1 ( -4 - 2 )	0.42	5 / 12 ( 1 - 11 )
1991 - Mar95: 1 to 15 years	15 / 893 2 %	0 / 89 0 %				-1.7 ( -7 - 0 )	0.00	4 / 12 ( 1 - 9 )
1991 - Mar95: All ages	93 / 2677 3 %	7 / 242 3 %				-1.5 ( -11 - 5 )	0.35	

CSR

HES



Table 8.2. 1 : Summary of excess mortality associated with all centres, derived from HES data : 1991 - Mar95: under 90 days

<b>Group</b>	<b>Bristol</b>	<b>C 2</b>	<b>C 3</b>	<b>C 4</b>	<b>C 5</b>	<b>C 6</b>	<b>C 7</b>	<b>C 8</b>	<b>C 9</b>	<b>C 10</b>	<b>C 11</b>	<b>C 12</b>
1: Fallot type	NA	-0.2	-0.4	0.5	NA	0.8	-2.0	-1.6	NA	0.7	-0.8	0.8
2: Interatrial TGA	0.9	-1.0	-0.3	-0.2	NA	1.4	-0.5	-0.9	NA	0.6	NA	0.4
3: Other TGA	7.8 *	-0.7	-6.8	0.1	-5.1	1.4	-0.8	-11.1	-2.6	0.7	-19.3	-2.4
4: TAPVD	3.3	-0.6	-1.5	0.0	1.3	-1.5	-1.7	1.2	0.7	NA	-0.8	-1.2
5: AVSD	1.6	0.6	-5.1	0.8	3.0	-0.5	0.9	-3.2	0.8	0.8	-6.4	-1.0
6: Closure of ASD	-0.2	1.9	-1.4	1.1	NA	-0.5	NA	-0.8	-0.1	0.0	0.8	-0.4
7: Closure of VSD	-0.1	-1.6	-1.6	0.5	0.3	-0.4	-1.6	1.9	-0.8	1.1	-2.4	3.7
8: Truncus	1.3	0.5	-3.7	0.6	-1.4	-2.3	0.9	1.0	0.9	-0.4	0.1	0.5
9: Fontan type	NA	-0.3	-0.3	NA	0.8	0.8	-0.1	-0.6	NA	-0.3	0.4	-0.3
10: Aortic/pulm valv	0.8	0.7	-0.6	2.2	-0.2	-4.0	-0.8	1.1	0.3	-1.1	-2.5	1.0
11: Mitral valves	NA	NA	NA	1.1	-0.6	-0.6	NA	0.5	NA	NA	-0.2	NA
12: Closed shunts	-0.6	-3.3	-2.1	-1.3	0.8	7.1	0.4	-2.8	1.0	3.5	1.6	-3.8
13: Simple coarct	-0.2	1.9	0.8	0.0	-0.2	0.8	-0.7	-0.9	-0.2	0.5	0.2	-3.0
<hr/>												
Groups 1-13: Total	14.6 *	-2.1	-23.1	5.4	-1.3	2.5	-6.0	-16.2	0.0	6.1	-29.3	-5.7
<hr/>												
Open	13.9 *	-4.1	-25.5	4.6	1.0	-5.0	-7.5	-17.1	0.5	-0.1	-31.3	-4.8
Closed	0.4	1.4	-1.5	-1.1	0.9	7.0	-1.3	0.4	-0.6	1.2	-2.9	-7.8
<hr/>												
Open/closed: Total	14.3 *	-2.6	-26.9	3.4	1.9	2.0	-8.8	-16.8	-0.1	1.0	-34.1	-12.6
<hr/>												

\* indicates 99 % certainty that excess mortality occurred: NA indicates 'not applicable'



Table 8.2. 2 : Summary of excess mortality associated with all centres, derived from HES data : 1991 - Mar95: 90 days to 1 yr

Group	Bristol	C 2	C 3	C 4	C 5	C 6	C 7	C 8	C 9	C 10	C 11	C 12
1: Fallot type	-0.2	-0.7	-0.4	-0.2	0.7	1.3	-0.2	0.1	-0.5	1.2	-1.0	-1.0
2: Interatrial TGA	0.1	0.8	-0.4	NA	-0.2	-0.1	-0.1	0.7	-0.2	-0.2	-0.1	-0.4
3: Other TGA	0.6	NA	1.0	NA	-0.5	-0.2	-0.9	-1.2	0.6	-0.3	0.9	-0.2
4: TAPVD	-0.1	0.0	-0.1	-0.1	NA	-0.2	-0.1	1.0 *	-0.1	NA	-0.3	-0.1
5: AVSD	7.0 *	2.1	-0.3	-0.9	-1.7	-3.6	-2.1	-2.0	0.6	0.3	-2.7	0.1
6: Closure of ASD	4.7 *	-0.6	-0.1	-0.2	NA	-0.8	-0.6	1.1	-0.2	-0.9	-1.2	-1.4
7: Closure of VSD	-1.3	1.0	-1.6	2.3	1.3	-1.7	0.0	-1.3	-1.0	1.0	-1.6	0.8
8: Truncus	0.5	0.8	-0.3	1.6	0.8	-0.6	-0.3	-0.3	-1.2	-0.3	-0.7	-0.6
9: Fontan type	1.5	-0.2	NA	NA	-0.9	2.4	0.4	-0.1	-0.3	0.6	-4.7	-0.7
10: Aortic/pulm valv	0.9	0.8	-0.1	-0.2	-0.2	-1.1	-0.4	-0.4	-0.2	-0.3	0.2	0.6
11: Mitral valves	1.5	-0.4	-0.6	NA	-0.2	0.0	-0.8	2.1	0.7	-0.4	-0.2	-2.1
12: Closed shunts	-0.1	-1.0	-0.3	-0.4	-0.2	-1.6	0.8	1.1	-0.8	1.4	1.6	-2.1
13: Simple coarct	-0.4	-0.2	-0.2	0.9	NA	-0.2	-0.1	0.8	0.0	-0.1	-0.1	-0.4
-----												
Groups 1-13: Total	14.8 *	2.5	-3.5	2.8	-1.1	-6.3	-4.3	1.5	-2.8	2.0	-9.9	-7.3
-----												
Open	14.4 *	1.9	-3.6	0.6	-0.9	-7.0	-4.0	-0.7	-1.0	2.6	-6.3	-6.6
Closed	-0.1	-0.7	0.0	-1.4	0.4	-0.1	-0.7	0.5	-1.0	1.2	0.5	0.9
-----												
Open/closed: Total	14.3 *	1.2	-3.6	-0.9	-0.4	-7.0	-4.7	-0.2	-1.9	3.8	-5.9	-5.7
-----												

\* indicates 99 % certainty that excess mortality occurred: NA indicates 'not applicable'

**Table 8.2. 3 : Summary of excess mortality associated with all centres, derived from HES data : 1991 - Mar95: 1 to 15 years**

<b>Group</b>	<b>Bristol</b>	<b>C 2</b>	<b>C 3</b>	<b>C 4</b>	<b>C 5</b>	<b>C 6</b>	<b>C 7</b>	<b>C 8</b>	<b>C 9</b>	<b>C 10</b>	<b>C 11</b>	<b>C 12</b>
1: Fallot type	2.8	-0.2	-1.5	-0.6	-3.0	-0.9	-0.8	-1.5	0.2	7.0 *	-0.6	-3.1
2: Interatrial TGA	0.8	-0.2	-0.6	NA	NA	-0.4	-0.3	0.7	-0.5	-0.6	-0.5	1.5
3: Other TGA	0.6	NA	0.9	NA	-0.4	-0.5	0.7	-0.2	NA	NA	-1.3	-0.5
4: TAPVD	NA	-0.1	-0.1	0.0	0.0	-0.1	-0.2	-0.2	1.0 *	NA	-0.1	-0.1
5: AVSD	0.5	0.2	2.1	0.7	-2.0	-0.7	0.2	-1.9	-1.7	-0.3	-2.2	1.5
6: Closure of ASD	-0.2	-0.2	-0.4	0.9	0.0	0.5	-0.2	-0.6	-0.1	-0.2	0.7	-0.4
7: Closure of VSD	-1.0	-1.0	0.1	-1.3	0.2	0.2	-0.1	-1.6	0.8	1.8	0.6	0.3
8: Truncus	-0.2	NA	NA	NA	NA	-0.2	-0.2	-0.2	-0.2	1.0 *	NA	NA
9: Fontan type	-0.5	-1.4	-1.2	0.7	-3.7	-2.8	-2.6	1.0	2.6	6.1	-4.6	2.9
10: Aortic/pulm valv	1.6	-0.1	0.9	-0.7	0.0	-3.0	0.2	-1.0	-0.8	2.8	-2.4	0.2
11: Mitral valves	-0.4	-0.2	0.0	-0.3	1.4	-2.3	-0.5	4.6	-0.8	-0.9	0.6	-1.4
12: Closed shunts	2.2	-0.8	1.1	0.0	0.3	-2.2	-0.8	0.1	0.4	2.9	-1.8	-4.5
13: Simple coarct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<hr/>												
Groups 1-13: Total	6.2	-4.0	1.2	-0.6	-7.2	-12.3	-4.5	-0.7	0.9	19.7 *	-11.6	-3.6
<hr/>												
Open	6.0	-6.3	-0.7	-2.7	-3.9	-11.2	-7.1	-0.4	2.5	22.4 *	-13.7	1.9
Closed	-1.7	-1.3	-2.6	0.8	-0.2	-1.7	-0.4	-3.0	1.8	4.5 *	1.5	-2.4
<hr/>												
Open/closed: Total	4.3	-7.6	-3.3	-2.0	-4.2	-12.9	-7.4	-3.4	4.3	26.9 *	-12.2	-0.5
<hr/>												

\* indicates 99 % certainty that excess mortality occurred: NA indicates 'not applicable'

Table 8.2. 4 : Summary of excess mortality associated with all centres, derived from HES data : 1991 - Mar95: All ages

Group	Bristol	C 2	C 3	C 4	C 5	C 6	C 7	C 8	C 9	C 10	C 11	C 12
1: Failot type	2.7	-1.0	-2.4	-0.3	-2.3	1.3	-2.9	-3.1	-0.3	8.9 *	-2.5	-3.2
2: Interatrial TGA	1.8	-0.4	-1.3	-0.2	-0.2	0.8	-0.8	0.5	-0.7	-0.2	-0.6	1.6
3: Other TGA	9.0 *	-0.7	-4.9	0.1	-6.0	0.8	-1.0	-12.5	-2.0	0.3	-19.7	-3.1
4: TAPVD	3.2	-0.7	-1.7	-0.1	1.3	-1.8	-1.9	2.0	1.6	NA	-1.2	-1.5
5: AVSD	9.1 *	2.9	-3.4	0.6	-0.6	-4.8	-1.0	-7.2	-0.3	0.9	-11.3	0.5
6: Closure of ASD	4.2 *	1.1	-2.0	1.8	0.0	-0.8	-0.8	-0.3	-0.4	-1.0	0.4	-2.2
7: Closure of VSD	-2.4	-1.6	-3.2	1.6	1.9	-1.9	-1.7	-1.0	-1.0	3.9	-3.4	4.9
8: Truncus	1.6	1.3	-4.0	2.2	-0.6	-3.1	0.5	0.5	-0.5	0.3	-0.6	-0.1
9: Fontan type	1.0	-1.9	-1.5	0.7	-3.8	0.4	-2.3	0.3	2.3	6.4	-8.9	1.9
10: Aortic/pulm valv	3.4	1.4	0.2	1.3	-0.4	-8.0	-1.0	-0.4	-0.7	1.4	-4.7	1.8
11: Mitral valves	1.1	-0.6	-0.6	0.8	0.6	-2.9	-1.4	7.2 *	-0.1	-1.3	0.2	-3.5
12: Closed shunts	1.5	-5.0	-1.3	-1.7	1.0	3.2	0.4	-1.6	0.6	7.8 *	1.4	-10.4
13: Simple coarct	-0.6	1.6	0.5	0.9	-0.2	0.7	-0.8	-0.1	-0.2	0.4	0.0	-3.3
<hr/>												
Groups 1-13: Total	35.6 *	-3.6	-25.4	7.7	-9.5	-16.1	-14.8	-15.4	-1.8	27.8 *	-50.9	-16.6
<hr/>												
Open	34.3 *	-8.5	-29.7	2.4	-3.8	-23.2	-18.5	-18.3	2.1	24.9	-51.3	-9.5
Closed	-1.5	-0.6	-4.1	-1.8	1.1	5.3	-2.4	-2.1	0.3	6.8 *	-0.9	-9.2
<hr/>												
Open/closed: Total	32.8 *	-9.1	-33.8	0.6	-2.7	-18.0	-20.9	-20.4	2.3	31.8 *	-52.2	-18.8
<hr/>												

\* indicates 99 % certainty that excess mortality occurred: NA indicates 'not applicable'

**Table 8.3. 1 : Summary of excess mortality associated with all centres, derived from CSR data : 1984 - 1987: under 1 yr**

<b>Group</b>	<b>Bristol</b>	<b>C 2</b>	<b>C 3</b>	<b>C 4</b>	<b>C 5</b>	<b>C 6</b>	<b>C 7</b>	<b>C 8</b>	<b>C 9</b>	<b>C 10</b>	<b>C 11</b>	<b>C 12</b>
1: Fallot type	NA	-1.1	NA	NA	0.7	1.1	-2.1	-0.7	-0.5	0.8	0.7	-0.2
2: Interatrial TGA	-0.5	0.7	-0.1	NA	0.4	0.6	-0.2	1.0	-1.2	-1.7	-0.6	1.1
3: Other TGA	-1.4	0.4	-0.4	NA	0.6	1.2	-3.6	-4.0	1.6	-1.3	3.5	-1.6
4: TAPVD	3.0	-0.7	-0.7	NA	4.4	1.4	-0.5	2.1	-1.8	-1.3	-0.7	-4.3
5: AVSD	1.9	0.7	0.7	NA	-1.1	-1.7	-3.2	2.0	0.7	NA	-1.4	-1.8
6: Closure of ASD	0.9	-0.4	-0.1	NA	-1.3	1.8	-0.2	0.4	-0.4	-0.5	-0.2	-0.1
7: Closure of VSD	-1.5	-2.8	1.2	NA	1.0	-5.9	-2.8	-0.7	0.2	3.0	3.8	-3.5
8: Truncus	1.4	-1.2	-0.2	NA	0.9	0.1	-5.0	1.5	-0.7	0.9	1.9	-1.2
9: Fontan type	NA	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10: Aortic/pulm valv	-0.8	0.2	-0.3	NA	0.6	2.2	-6.3	-0.7	2.4	-0.8	2.1	-1.4
11: Mitral valves	NA	NA	NA	NA	NA	1.0	NA	-1.0	NA	NA	NA	-0.3
12: Closed shunts	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13: Simple coarct	0.5	-0.4	-1.0	-0.1	-0.7	0.9	1.4	-0.2	-0.3	-0.2	-0.6	0.7
<hr/>												
Groups 1-13: Total	3.5	-3.9	-0.9	-0.1	5.6	2.7	-22.3	-0.4	-0.1	-1.1	8.5	-12.5
<hr/>												
Open	2.0	-4.4	1.9	NA	4.5	-8.1	-25.8	1.3	-0.5	3.6	13.9	-16.0
Closed	8.6	-0.8	-6.7	-1.5	15.5	-1.8	-2.8	-3.8	2.3	-2.4	-7.8	-1.4
<hr/>												
Open/closed: Total	10.6	-5.2	-4.7	-1.5	20.0	-9.9	-28.7	-2.5	1.8	1.2	6.0	-17.4
<hr/>												
* indicates 99 % certainty that excess mortality occurred: NA indicates 'not applicable'												

**Table 8.3. 2 : Summary of excess mortality associated with all centres, derived from CSR data : 1984 - 1987: 1 to 15 years**

<b>Group</b>	<b>Bristol</b>	<b>C 2</b>	<b>C 3</b>	<b>C 4</b>	<b>C 5</b>	<b>C 6</b>	<b>C 7</b>	<b>C 8</b>	<b>C 9</b>	<b>C 10</b>	<b>C 11</b>	<b>C 12</b>
1: Fallot type	3.6	-0.4	0.5	NA	1.2	-4.2	-1.7	-4.4	4.9	-1.0	0.6	-4.0
2: Interatrial TGA	NA	-0.1	-0.1	NA	-0.1	1.0	0.0	-0.1	-0.2	0.0	-0.2	-0.1
3: Other TGA	0.1	0.6	-0.2	NA	1.7	-0.1	-0.8	0.9	-0.5	0.0	-0.9	-1.5
4: TAPVD	-0.1	-0.6	-0.2	NA	NA	0.5	-0.1	1.0	NA	-0.1	-0.3	-0.3
5: AVSD	0.7	0.2	-1.1	NA	3.7	0.7	-1.9	1.0	0.6	0.2	-4.1	-0.8
6: Closure of ASD	0.4	0.4	1.5	-0.1	-0.7	-0.1	-0.8	0.5	0.3	-0.3	-0.4	-1.0
7: Closure of VSD	-1.0	-0.4	-0.6	NA	-1.1	-1.0	1.3	0.7	-0.4	-0.4	2.0	0.6
8: Truncus	-0.2	NA	NA	NA	NA	1.8	NA	NA	NA	-0.2	NA	-0.8
9: Fontan type	0.5	0.2	-0.6	NA	-0.8	0.8	1.1	-0.9	NA	0.1	0.2	-1.3
10: Aortic/pulm valv	-1.6	-0.6	1.4	-0.1	0.0	-1.3	-2.5	9.4 *	-0.1	-0.2	-0.8	-2.8
11: Mitral valves	-0.1	NA	0.8	NA	-0.7	-0.6	0.6	0.1	0.6	0.5	0.0	-1.8
12: Closed shunts	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13: Simple coarct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<hr/>												
Groups 1-13: Total	2.3	-0.7	1.4	-0.2	3.0	-2.6	-4.9	8.1	5.1	-1.4	-3.8	-13.8
<hr/>												
Open	0.7	-9.6	-1.3	-1.3	1.8	2.2	-11.6	15.4	4.4	15.7	-0.8	-19.6
Closed	1.0	-1.7	-1.2	-0.6	4.5	1.6	-0.5	0.6	-1.2	-0.7	-1.9	0.0
<hr/>												
Open/closed: Total	1.7	-11.2	-2.4	-1.9	6.3	3.8	-12.0	16.0	3.2	15.0	-2.7	-19.6
<hr/>												
* indicates 99 % certainty that excess mortality occurred: NA indicates 'not applicable'												

**Table 8.3. 3 : Summary of excess mortality associated with all centres, derived from CSR data : 1988 - 1990: under 1 yr**

<b>Group</b>	<b>Bristol</b>	<b>C 2</b>	<b>C 3</b>	<b>C 4</b>	<b>C 5</b>	<b>C 6</b>	<b>C 7</b>	<b>C 8</b>	<b>C 9</b>	<b>C 10</b>	<b>C 11</b>	<b>C 12</b>
1: Fallot type	1.8	0.9	-0.9	-0.1	-0.2	-0.6	-1.5	-0.8	-0.5	0.0	1.0	0.1
2: Interatrial TGA	-0.6	-0.2	NA	-0.4	3.3	-0.2	0.5	-2.1	-0.4	NA	0.8	NA
3: Other TGA	-2.2	-1.5	9.4	0.8	-1.3	-0.8	-0.8	0.9	-2.0	3.4	-11.4	0.7
4: TAPVD	3.5	-0.2	-2.6	-0.7	2.7	-1.0	-1.8	-0.7	0.2	1.4	-2.0	-1.3
5: AVSD	1.2	2.3	0.1	-0.4	0.9	-4.0	0.2	2.0	1.4	-0.1	-8.0	-1.5
6: Closure of ASD	1.4	0.8	NA	-0.4	-0.4	1.6	0.6	-3.5	0.7	0.8	-2.8	-2.8
7: Closure of VSD	2.1	0.1	-1.5	NA	3.8	-1.3	-2.9	-2.7	-2.5	4.2 *	-5.0	-1.4
8: Truncus	0.5	0.2	0.8	NA	0.7	-1.7	0.3	-0.7	-1.3	0.9	-0.8	0.2
9: Fontan type	NA	-0.3	NA	NA	NA	NA	-0.3	-0.3	-0.3	0.9	0.9	-0.7
10: Aortic/pulm valv	-0.3	-1.3	4.7	0.5	2.8	-0.4	-5.3	2.1	-1.1	-0.9	-1.7	-0.6
11: Mitral valves	-0.2	-0.2	-0.2	NA	NA	0.4	0.3	-0.2	NA	0.3	0.2	-0.2
12: Closed shunts	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13: Simple coarct	-0.7	0.4	-0.2	-0.5	-0.9	3.0	-1.1	1.1	-0.6	-0.4	-1.4	1.4
<hr/>												
Groups 1-13: Total	6.3	1.1	9.6	-1.3	11.4	-5.2	-11.8	-5.1	-6.6	10.5 *	-30.1	-6.0
<hr/>												
Open	8.7	-1.1	6.7	4.7	4.0	-9.2	-16.0	-22.7	-6.3	16.2	-40.2	-5.3
Closed	4.1	1.4	1.3	-2.4	21.8	1.4	-6.5	0.2	-8.8	-2.3	-11.8	0.5
<hr/>												
Open/closed: Total	12.7	0.4	7.9	2.3	25.8	-7.8	-22.4	-22.5	-15.1	14.0	-52.0	-4.8
<hr/>												
* indicates 99 % certainty that excess mortality occurred: NA indicates 'not applicable'												

**Table 8.3. 4 : Summary of excess mortality associated with all centres, derived from CSR data : 1988 - 1990: 1 to 15 years**

<b>Group</b>	<b>Bristol</b>	<b>C 2</b>	<b>C 3</b>	<b>C 4</b>	<b>C 5</b>	<b>C 6</b>	<b>C 7</b>	<b>C 8</b>	<b>C 9</b>	<b>C 10</b>	<b>C 11</b>	<b>C 12</b>
1: Fallot type	3.0	0.8	1.7	1.3	-0.8	1.9	-1.7	-8.5	1.0	-0.6	-8.5	1.1
2: Interatrial TGA	NA	NA	-0.1	NA	-0.3	NA	NA	-0.4	NA	-0.1	1.8	-0.1
3: Other TGA	2.1	-0.2	-1.5	NA	-0.1	1.3	-0.4	-1.9	-0.2	0.2	0.1	-0.5
4: TAPVD	0.9	-0.1	-0.1	NA	NA	-0.2	NA	0.6	-0.1	-0.1	-0.2	-1.2
5: AVSD	2.7	-0.2	-0.4	-0.6	0.6	-1.3	1.1	-1.4	-0.2	0.4	-4.7	0.4
6: Closure of ASD	-0.5	-0.3	1.6	-0.4	-0.3	0.5	-0.6	0.3	-0.5	-0.1	-0.5	0.7
7: Closure of VSD	0.6	0.0	2.0	NA	0.8	-0.4	-0.6	-0.8	0.4	-0.2	-1.5	-1.3
8: Truncus	-0.4	NA	NA	0.7	NA	NA	0.7	-1.0	NA	-0.4	0.3	NA
9: Fontan type	4.4	-0.2	1.3	-0.2	0.6	1.1	-2.0	-3.4	-0.6	1.4	-8.6	-0.9
10: Aortic/pulm valv	-2.1	0.5	0.7	-0.3	3.6	3.1	-2.2	-0.3	-0.7	-0.5	-1.0	-0.9
11: Mitral valves	0.5	-0.2	0.3	-0.2	0.6	0.1	0.2	-1.3	-0.5	-0.2	0.3	-0.3
12: Closed shunts	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13: Simple coarct	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0
<hr/>												
Groups 1-13: Total	11.2 *	0.1	5.6	0.4	4.6	6.1	-5.5	-18.1	-1.4	-0.2	-22.5	-2.8
<hr/>												
Open	14.6	-0.5	4.6	-6.0	1.2	13.6	-11.8	-27.4	-6.3	16.6	-22.3	-5.3
Closed	1.4	0.2	1.8	-0.8	-0.5	-1.9	-1.7	3.7	-0.4	-0.7	-2.4	2.8
<hr/>												
Open/closed: Total	15.9	-0.3	6.4	-6.7	0.7	11.7	-13.5	-23.7	-6.8	15.9 *	-24.7	-2.5
<hr/>												

\* indicates 99 % certainty that excess mortality occurred: NA indicates 'not applicable'

**Table 8.3. 5 : Summary of excess mortality associated with all centres, derived from CSR data : 1991 - Mar95: under 1 yr**

<b>Group</b>	<b>Bristol</b>	<b>C 2</b>	<b>C 3</b>	<b>C 4</b>	<b>C 5</b>	<b>C 6</b>	<b>C 7</b>	<b>C 8</b>	<b>C 9</b>	<b>C 10</b>	<b>C 11</b>	<b>C 12</b>
1: Fallot type	-0.2	0.7	0.1	1.0	1.1	0.0	-0.9	0.9	-2.5	1.7	-1.6	-2.6
2: Interatrial TGA	-0.8	-0.5	NA	0.5	-1.1	2.9	0.2	0.6	-0.8	1.3	-0.5	-0.6
3: Other TGA	5.0	-1.6	1.5	1.3	-1.6	2.3	-1.2	5.3	0.2	-0.7	-17.6	-3.3
4: TAPVD	3.4	-0.5	-1.2	1.2	-0.1	-2.6	-1.0	-0.3	-1.5	1.5	-0.9	0.9
5: AVSD	3.5	0.0	-1.9	-0.6	2.4	-1.6	-0.4	-2.3	2.1	3.0	-6.1	-1.5
6: Closure of ASD	1.9 *	-0.6	NA	-1.2	0.9	-0.6	-0.2	-0.6	0.8	-0.3	-1.0	-0.3
7: Closure of VSD	-1.4	0.8	0.2	-0.8	-0.1	0.1	0.6	0.6	-0.5	-0.3	-0.3	0.5
8: Truncus	0.1	0.7	-0.1	0.5	2.6	-0.7	0.0	-2.0	-0.6	0.2	-1.4	-0.4
9: Fontan type	0.6	NA	NA	0.6	-3.1	NA	NA	-0.3	0.9	0.2	-1.4	0.6
10: Aortic/pulm valv	0.8	1.6	3.1	-0.7	0.4	-4.9	0.7	-3.8	1.7	-0.9	-5.3	-2.2
11: Mitral valves	-0.2	-0.2	NA	NA	-0.3	0.7	-0.9	1.3	0.9	-0.2	-3.1	0.4
12: Closed shunts	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13: Simple coarct	-0.6	0.4	0.5	-0.5	-0.5	-0.7	1.4	2.0	-1.1	-0.2	-1.3	0.0
<hr/>												
Groups 1-13: Total	12.3 *	0.8	2.4	1.5	0.5	-5.1	-1.7	1.5	-0.7	5.3	-40.4	-8.5
<hr/>												
Open	19.0	-1.4	4.1	-5.5	5.6	-11.3	-9.8	5.3	-2.6	5.4	-41.3	-6.7
Closed	-1.2	0.1	2.1	0.7	2.4	3.8	-2.1	-0.7	-2.6	2.6	-8.8	-3.5
<hr/>												
Open/closed: Total	17.8	-1.3	6.2	-4.8	8.0	-7.5	-11.9	4.6	-5.2	8.0	-50.1	-10.2
<hr/>												

\* indicates 99 % certainty that excess mortality occurred: NA indicates 'not applicable'



Table 8.3. 6 : Summary of excess mortality associated with all centres, derived from CSR data : 1991 - Mar95: 1 to 15 years

Group	Bristol	C 2	C 3	C 4	C 5	C 6	C 7	C 8	C 9	C 10	C 11	C 12
1: Fallot type	3.1	-0.8	-1.5	0.6	-1.3	-3.2	-0.7	-1.4	-0.4	2.2	-1.4	3.1
2: Interatrial TGA	-0.1	0.0	1.0 *	NA	0.0	-0.1	0.0	-0.3	0.0	NA	-0.2	-0.5
3: Other TGA	-1.0	-0.2	0.7	-0.2	0.5	-0.5	0.4	0.3	-0.2	-1.7	0.5	0.9
4: TAPVD	0.0	-0.1	-0.1	NA	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.9	-0.1
5: AVSD	2.5	-1.7	0.5	-0.1	-0.2	0.6	-0.2	-4.1	-0.1	0.6	-2.6	2.2
6: Closure of ASD	-0.7	-0.8	2.7 *	-0.1	-0.8	1.2	0.4	-0.6	-0.7	-0.5	-1.0	0.2
7: Closure of VSD	-1.0	-0.5	0.4	1.9	-0.4	0.1	-0.7	-1.4	-0.8	0.2	0.0	1.2
8: Truncus	-0.2	NA	0.9	NA	NA	-0.8	NA	-0.2	-0.3	0.7	-0.2	-0.2
9: Fontan type	2.0	-2.0	-0.7	0.8	-0.5	-2.7	-0.9	-2.1	1.3	7.7 *	-1.5	-3.0
10: Aortic/pulm valv	-1.1	-1.2	1.5	1.7	2.2	-3.2	-1.4	-1.2	0.0	1.0	-0.9	-2.2
11: Mitral valves	-0.7	0.7	0.8	NA	1.2	0.2	0.1	-1.0	-0.8	0.1	0.0	-1.3
12: Closed shunts	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13: Simple coarct	-0.4	0.8	0.7	-0.2	-0.1	-0.1	0.7	-0.2	-0.3	-0.1	-0.3	-0.6
-----												
Groups 1-13: Total	2.4	-5.8	6.9	4.4 *	0.4	-8.8	-2.5	-12.3	-2.4	10.0 *	-6.6	-0.4
-----												
Open	5.2	-16.0	5.3	5.2	-0.4	-6.0	-14.2	-15.1	-9.9	28.1	-20.2	-3.4
Closed	0.5	3.2	-1.4	-0.5	-1.1	-0.6	-0.9	-2.2	3.6	0.9	-4.4	0.7
-----												
Open/closed: Total	5.6	-12.9	3.9	4.7	-1.4	-6.6	-15.1	-17.3	-6.3	29.0 *	-24.6	-2.7
-----												
* indicates 99 % certainty that excess mortality occurred: NA indicates 'not applicable'												

**Table 8.3. 7 : Summary of excess mortality associated with all centres, derived from CSR data : 1984 - 1987: All ages**

<b>Group</b>	<b>Bristol</b>	<b>C 2</b>	<b>C 3</b>	<b>C 4</b>	<b>C 5</b>	<b>C 6</b>	<b>C 7</b>	<b>C 8</b>	<b>C 9</b>	<b>C 10</b>	<b>C 11</b>	<b>C 12</b>
1: Fallot type	3.6	-1.5	0.5	NA	1.9	-3.1	-3.7	-5.1	4.4	-0.2	1.4	-4.1
2: Interatrial TGA	-0.5	0.6	-0.2	NA	0.3	1.5	-0.2	0.9	-1.4	-1.7	-0.8	1.0
3: Other TGA	-1.3	1.0	-0.6	NA	2.3	1.1	-4.4	-3.0	1.0	-1.3	2.6	-3.1
4: TAPVD	2.9	-1.2	-0.9	NA	4.4	1.9	-0.6	3.1	-1.8	-1.4	-1.0	-4.6
5: AVSD	2.6	0.9	-0.4	NA	2.5	-1.1	-5.1	3.0	1.3	0.2	-5.5	-2.6
6: Closure of ASD	1.3	0.0	1.4	-0.1	-2.0	1.7	-0.9	1.0	-0.1	-0.8	-0.7	-1.0
7: Closure of VSD	-2.5	-3.2	0.6	NA	-0.1	-6.9	-1.5	0.0	-0.2	2.6	5.8	-2.9
8: Truncus	1.2	-1.2	-0.2	NA	0.9	2.0	-5.0	1.5	-0.7	0.7	1.9	-2.0
9: Fontan type	0.5	0.7	-0.6	NA	-0.8	0.8	1.1	-0.9	NA	0.1	0.2	-1.3
10: Aortic/pulm valv	-2.4	-0.4	1.1	-0.1	0.6	0.8	-8.8	8.7	2.3	-1.0	1.3	-4.2
11: Mitral valves	-0.1	NA	0.8	NA	-0.7	0.3	0.6	-0.9	0.6	0.5	0.0	-2.1
12: Closed shunts	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13: Simple coarct	0.4	-0.4	-1.0	-0.1	-0.7	0.8	1.4	-0.2	-0.3	-0.2	-0.6	0.7
<hr/>												
Groups 1-13: Total	5.7	-4.6	0.5	-0.3	8.6	0.0	-27.2	7.8	5.0	-2.5	4.7	-26.4
<hr/>												
Open	2.7	-14.0	0.6	-1.3	6.3	-5.9	-37.4	16.7	3.9	19.3	13.1	-35.5
Closed	9.6	-2.4	-7.8	-2.1	20.0 *	-0.2	-3.3	-3.2	1.0	-3.1	-9.7	-1.5
<hr/>												
Open/closed: Total	12.2	-16.4	-7.2	-3.4	26.3	-6.1	-40.7	13.5	4.9	16.2	3.4	-37.0
<hr/>												
* indicates 99 % certainty that excess mortality occurred: NA indicates 'not applicable'												

**Table 8.3. 8 : Summary of excess mortality associated with all centres, derived from CSR data : 1988 - 1990: All ages**

<b>Group</b>	<b>Bristol</b>	<b>C 2</b>	<b>C 3</b>	<b>C 4</b>	<b>C 5</b>	<b>C 6</b>	<b>C 7</b>	<b>C 8</b>	<b>C 9</b>	<b>C 10</b>	<b>C 11</b>	<b>C 12</b>
1: Fallot type	4.8	1.7	0.8	1.2	-1.0	1.3	-3.2	-9.2	0.5	-0.5	-7.6	1.3
2: Interatrial TGA	-0.6	-0.2	-0.1	-0.4	3.0	-0.2	0.5	-2.6	-0.4	-0.1	2.6	-0.1
3: Other TGA	-0.1	-1.7	7.8	0.8	-1.4	0.5	-1.3	-1.0	-2.2	3.6	-11.2	0.2
4: TAPVD	4.4	-0.3	-2.7	-0.7	2.7	-1.1	-1.8	-0.2	0.1	1.3	-2.2	-2.5
5: AVSD	3.9	2.1	-0.3	-1.0	1.5	-5.3	1.3	0.6	1.2	0.3	-12.7	-1.0
6: Closure of ASD	0.9	0.6	1.6	-0.8	-0.7	2.1	0.0	-3.2	0.1	0.7	-3.3	-2.2
7: Closure of VSD	2.7	0.1	0.5	NA	4.5	-1.8	-3.5	-3.5	-2.1	4.0	-6.4	-2.6
8: Truncus	0.1	0.2	0.8	0.7	0.7	-1.7	1.0	-1.7	-1.3	0.4	-0.5	0.2
9: Fontan type	4.4	-0.5	1.3	-0.2	0.6	1.1	-2.3	-3.7	-0.9	2.2	-7.7	-1.5
10: Aortic/pulm valv	-2.4	-0.8	5.4	0.2	6.4	2.7	-7.5	1.8	-1.8	-1.4	-2.8	-1.5
11: Mitral valves	0.3	-0.4	0.0	-0.2	0.6	0.4	0.5	-1.5	-0.5	0.2	0.5	-0.5
12: Closed shunts	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13: Simple coarct	-0.8	0.4	-0.2	-0.6	-0.9	3.0	-1.1	1.0	-0.6	-0.4	-1.4	1.3
<hr/>												
Groups 1-13: Total	17.6 *	1.3	15.2	-0.8	16.0 *	0.9	-17.3	-23.2	-8.0	10.3	-52.6	-8.8
<hr/>												
Open	23.2	-1.6	11.2	-1.2	5.2	4.4	-27.7	-50.2	-12.6	32.9 *	-62.6	-10.6
Closed	5.4	1.6	3.1	-3.2	21.3	-0.5	-8.2	4.0	-9.3	-3.0	-14.2	3.2
<hr/>												
Open/closed: Total	28.7	0.0	14.3	-4.4	26.6	3.9	-35.9	-46.2	-21.9	29.9 *	-76.7	-7.4
<hr/>												
* indicates 99 % certainty that excess mortality occurred: NA indicates 'not applicable'												

**Table 8.3. 9 : Summary of excess mortality associated with all centres, derived from CSR data : 1991 - Mar95: All ages**

<b>Group</b>	<b>Bristol</b>	<b>C 2</b>	<b>C 3</b>	<b>C 4</b>	<b>C 5</b>	<b>C 6</b>	<b>C 7</b>	<b>C 8</b>	<b>C 9</b>	<b>C 10</b>	<b>C 11</b>	<b>C 12</b>
1: Fallot type	3.0	-0.1	-1.4	1.6	-0.2	-3.3	-1.6	-0.5	-2.9	3.8	-3.0	0.5
2: Interatrial TGA	-0.9	-0.6	1.0 *	0.5	-1.2	2.8	0.2	0.3	-0.9	1.3	-0.7	-1.2
3: Other TGA	4.1	-1.8	2.2	1.1	-1.2	1.8	-0.8	5.7	0.0	-2.4	-17.1	-2.4
4: TAPVD	3.4	-0.6	-1.3	1.2	-0.2	-2.8	-1.1	-0.4	-1.6	1.4	0.1	0.7
5: AVSD	5.9	-1.7	-1.4	-0.7	2.2	-1.0	-0.7	-6.4	2.0	3.6	-8.8	0.7
6: Closure of ASD	1.2	-1.4	2.7 *	-1.3	0.1	0.6	0.2	-1.2	0.1	-0.8	-2.0	-0.1
7: Closure of VSD	-2.4	0.3	0.6	1.1	-0.5	0.2	-0.1	-0.8	-1.4	-0.1	-0.3	1.6
8: Truncus	0.0	0.7	0.9	0.5	2.6	-1.5	0.0	-2.1	-1.0	0.9	-1.6	-0.6
9: Fontan type	2.6	-2.0	-0.7	1.4	-3.6	-2.7	-0.9	-2.4	2.2	7.9 *	-2.9	-2.4
10: Aortic/pulm valv	-0.3	0.5	4.6	1.0	2.5	-8.1	-0.6	-5.0	1.7	0.1	-6.2	-4.4
11: Mitral valves	-0.9	0.5	0.8	NA	0.9	0.9	-0.9	0.3	0.0	0.0	-3.1	-0.8
12: Closed shunts	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13: Simple coarct	-1.0	1.2	1.3	-0.7	-0.6	-0.8	2.1	1.8	-1.4	-0.4	-1.5	-0.6
<hr/>												
Groups 1-13: Total	14.7	-5.0	9.3	5.9	0.9	-13.8	-4.2	-10.7	-3.1	15.3 *	-46.9	-8.8
<hr/>												
Open	24.1	-17.4	9.4	-0.3	5.2	-17.3	-24.0	-9.8	-12.5	33.5	-61.5	-10.1
Closed	-0.7	3.3	0.7	0.2	1.3	3.2	-3.0	-2.9	1.0	3.5	-13.2	-2.8
<hr/>												
Open/closed: Total	23.4	-14.1	10.1	-0.1	6.5	-14.0	-27.0	-12.8	-11.5	37.0 *	-74.7	-13.0
<hr/>												

\* indicates 99 % certainty that excess mortality occurred: NA indicates 'not applicable'

Table 8.3. 10 : Summary of excess mortality associated with all centres, derived from CSR data : 1984 - Mar95: under 1 yr

<b>Group</b>	<b>Bristol</b>	<b>C 2</b>	<b>C 3</b>	<b>C 4</b>	<b>C 5</b>	<b>C 6</b>	<b>C 7</b>	<b>C 8</b>	<b>C 9</b>	<b>C 10</b>	<b>C 11</b>	<b>C 12</b>
1: Fallot type	1.6	0.5	-0.7	0.9	1.6	0.5	-4.4	-0.6	-3.6	2.5	0.1	-2.6
2: Interatrial TGA	-1.9	0.0	-0.1	0.1	2.6	3.3	0.5	-0.5	-2.4	-0.4	-0.3	0.5
3: Other TGA	1.4	-2.7	10.4	2.1	-2.3	2.8	-5.7	2.2	-0.2	1.4	-25.5	-4.2
4: TAPVD	9.9	-1.4	-4.6	0.6	7.0	-2.2	-3.3	1.0	-3.2	1.5	-3.6	-4.7
5: AVSD	6.5	3.0	-1.1	-1.0	2.2	-7.4	-3.3	1.7	4.1	2.9	-15.5	-4.8
6: Closure of ASD	4.2 *	-0.2	-0.1	-1.5	-0.8	2.8	0.2	-3.6	1.0	0.0	-4.0	-3.3
7: Closure of VSD	-0.7	-1.9	-0.1	-0.8	4.7	-7.1	-5.1	-2.7	-2.9	6.9 *	-1.4	-4.4
8: Truncus	2.1	-0.2	0.5	0.5	4.3	-2.3	-4.8	-1.2	-2.7	2.0	-0.4	-1.4
9: Fontan type	0.6	0.2	NA	0.6	-3.1	NA	-0.3	-0.6	0.6	1.1	-0.5	0.0
10: Aortic/pulm valv	-0.3	0.6	7.6	-0.2	3.8	-3.1	-10.8	-2.4	3.0	-2.6	-4.8	-4.2
11: Mitral valves	-0.4	-0.4	-0.2	NA	-0.3	2.1	-0.6	0.1	0.9	0.2	-2.9	-0.1
12: Closed shunts	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13: Simple coarct	-0.9	0.4	-0.6	-1.1	-2.0	3.2	1.8	2.8	-2.0	-0.9	-3.3	2.1
<hr/>												
Groups 1-13: Total	22.1 *	-2.0	11.0	0.2	17.4	-7.6	-35.8	-3.9	-7.3	14.7	-62.1	-27.0
<hr/>												
Open	29.6	-6.9	12.6	-0.8	14.1	-28.6	-51.6	-16.1	-9.4	25.2	-67.6	-28.0
Closed	11.5	0.8	-3.3	-3.2	39.6 *	3.4	-11.4	-4.3	-9.1	-2.1	-28.4	-4.4
<hr/>												
Open/closed: Total	41.1	-6.1	9.3	-4.0	53.8 *	-25.2	-63.0	-20.4	-18.6	23.1	-96.0	-32.5
<hr/>												
* indicates 99 % certainty that excess mortality occurred: NA indicates 'not applicable'												

Table 8.3. 11 : Summary of excess mortality associated with all centres, derived from CSR data : 1984 - Mar95: 1 to 15 years

<b>Group</b>	<b>Bristol</b>	<b>C 2</b>	<b>C 3</b>	<b>C 4</b>	<b>C 5</b>	<b>C 6</b>	<b>C 7</b>	<b>C 8</b>	<b>C 9</b>	<b>C 10</b>	<b>C 11</b>	<b>C 12</b>
1: Fallot type	9.8	-0.5	0.7	1.9	-0.9	-5.5	-4.1	-14.3	5.5	0.5	-9.3	0.2
2: Interatrial TGA	-0.1	-0.1	0.8	NA	-0.5	0.9	-0.1	-0.8	-0.2	-0.2	1.5	-0.7
3: Other TGA	1.3	0.2	-1.0	-0.2	2.0	0.6	-0.8	-0.6	-0.9	-1.5	-0.3	-1.1
4: TAPVD	0.8	-0.8	-0.3	NA	-0.1	0.2	-0.2	1.4	-0.1	-0.2	0.5	-1.6
5: AVSD	5.9	-1.7	-0.9	-0.7	4.1	0.0	-1.1	-4.6	0.4	1.2	-11.4	1.8
6: Closure of ASD	-0.9	-0.6	5.9 *	-0.6	-1.7	1.5	-0.9	0.2	-1.0	-0.9	-2.0	-0.1
7: Closure of VSD	-1.4	-0.9	1.7	1.9	-0.8	-1.3	0.0	-1.6	-0.8	-0.4	0.5	0.5
8: Truncus	-0.8	NA	0.9	0.7	NA	1.0	0.7	-1.1	-0.3	0.0	0.2	-1.0
9: Fontan type	6.8	-2.0	0.0	0.6	-0.7	-0.7	-1.8	-6.5	0.7	9.2 *	-9.9	-5.2
10: Aortic/pulm valv	-4.8	-1.3	3.6	1.4	5.7	-1.4	-6.1	8.0	-0.8	0.4	-2.7	-5.9
11: Mitral valves	-0.3	0.5	1.8	-0.2	1.1	-0.4	0.9	-2.1	-0.8	0.5	0.4	-3.3
12: Closed shunts	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13: Simple coarct	-0.5	0.7	0.7	-0.2	-0.2	-0.2	0.6	-0.3	-0.3	-0.1	-0.3	-0.7
<hr/>												
Groups 1-13: Total	15.9	-6.3	13.8	4.6	8.0	-5.3	-12.9	-22.3	1.2	8.5	-32.9	-17.0
<hr/>												
Open	20.4	-26.2	8.6	-2.1	2.6	9.8	-37.5	-27.2	-11.8	60.4 *	-43.3	-28.3
Closed	2.8	1.7	-0.7	-1.8	3.0	-0.9	-3.1	2.1	1.9	-0.5	-8.7	3.4
<hr/>												
Open/closed: Total	23.2	-24.5	7.9	-3.9	5.6	9.0	-40.6	-25.0	-9.9	59.9 *	-52.0	-24.9
<hr/>												

\* indicates 99 % certainty that excess mortality occurred: NA indicates 'not applicable'

Table 8.3. 12: Summary of excess mortality associated with all centres, derived from CSR data : 1984 - Mar95: All ages

<b>Group</b>	<b>Bristol</b>	<b>C 2</b>	<b>C 3</b>	<b>C 4</b>	<b>C 5</b>	<b>C 6</b>	<b>C 7</b>	<b>C 8</b>	<b>C 9</b>	<b>C 10</b>	<b>C 11</b>	<b>C 12</b>
1: Fallot type	11.4	0.1	-0.1	2.8	0.7	-5.1	-8.5	-14.9	2.0	3.1	-9.2	-2.3
2: Interatrial TGA	-2.0	-0.2	0.8	0.1	2.0	4.1	0.4	-1.3	-2.6	-0.6	1.2	-0.2
3: Other TGA	2.6	-2.5	9.4	1.9	-0.3	3.4	-6.5	1.6	-1.2	-0.1	-25.8	-5.3
4: TAPVD	10.7 *	-2.1	-4.9	0.6	6.9	-2.0	-3.5	2.5	-3.3	1.3	-3.1	-6.3
5: AVSD	12.4 *	1.3	-2.0	-1.7	6.2	-7.3	-4.4	-2.9	4.5	4.1	-27.0	-2.9
6: Closure of ASD	3.3	-0.8	5.8 *	-2.2	-2.5	4.3	-0.7	-3.4	0.1	-0.9	-5.9	-3.4
7: Closure of VSD	-2.1	-2.8	1.7	1.1	3.9	-8.4	-5.2	-4.3	-3.7	6.5	-0.9	-3.9
8: Truncus	1.3	-0.2	1.5	1.2	4.3	-1.3	-4.0	-2.4	-3.0	2.0	-0.2	-2.4
9: Fontan type	7.5	-1.8	0.0	1.2	-3.8	-0.7	-2.1	-7.0	1.3	10.3 *	-10.4	-5.2
10: Aortic/pulm valv	-5.1	-0.7	11.1 *	1.2	9.5	-4.5	-17.0	5.5	2.2	-2.2	-7.6	-10.1
11: Mitral valves	-0.7	0.1	1.6	-0.2	0.7	1.6	0.3	-2.1	0.1	0.7	-2.5	-3.5
12: Closed shunts	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
13: Simple coarct	-1.4	1.2	0.1	-1.3	-2.2	3.0	2.4	2.6	-2.3	-1.0	-3.6	1.5
<hr/>												
Groups 1-13: Total	38.0 *	-8.3	24.9	4.8	25.5	-12.9	-48.7	-26.2	-6.1	23.1	-94.9	-44.0
<hr/>												
Open	50.0	-33.0	21.2	-2.8	16.7	-18.8	-89.1	-43.3	-21.3	85.7 *	-110.9	-56.3
Closed	14.3	2.5	-4.0	-5.1	42.6 *	2.5	-14.5	-2.2	-7.2	-2.6	-37.1	-1.0
<hr/>												
Open/closed: Total	64.3	-30.5	17.2	-7.9	59.4	-16.2	-103.6	-45.5	-28.5	83.0 *	-148.0	-57.3
<hr/>												
* indicates 99 % certainty that excess mortality occurred: NA indicates 'not applicable'												

Figure 8.2.1 : Mortality in all centres derived from HES data 88: Open 1991 - Mar95

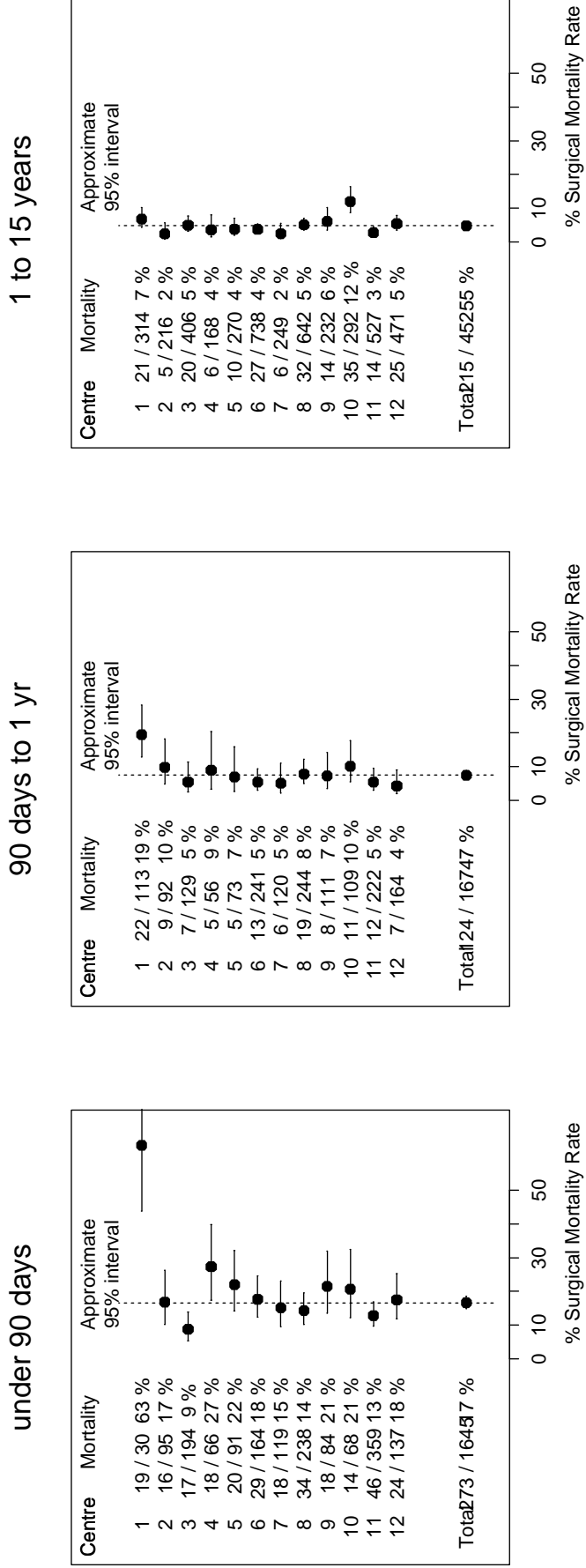
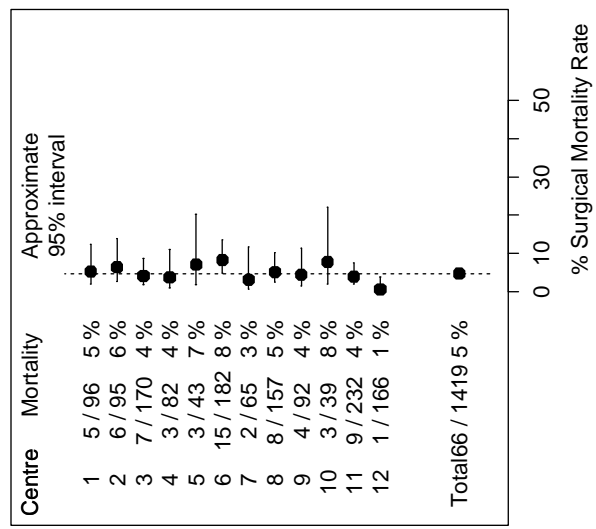


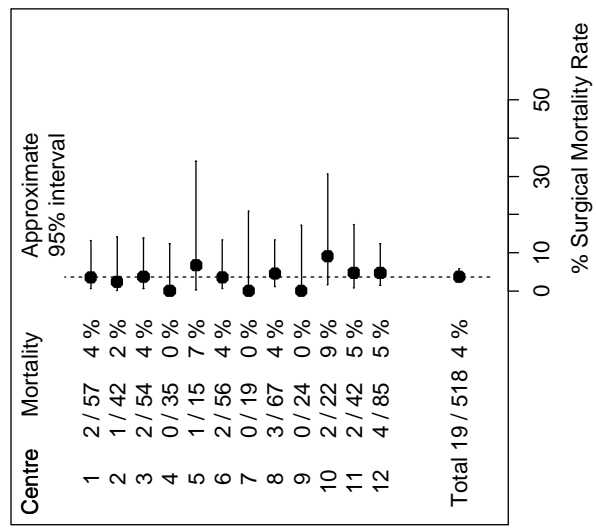


Figure 8.2.2 : Mortality in all centres derived from HES data 99: Closed 1991 - Mar95

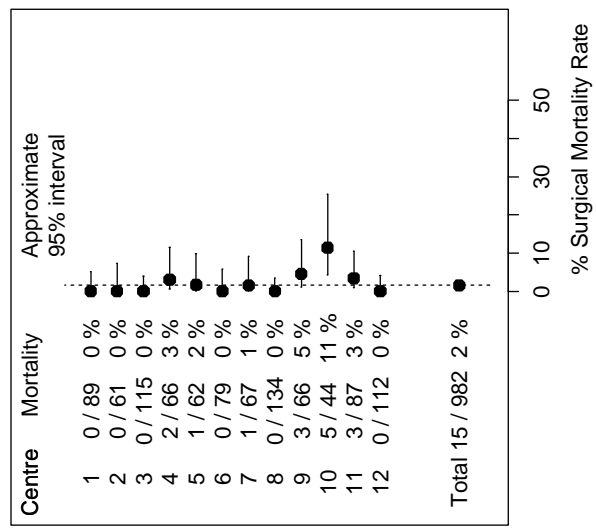
under 90 days



90 days to 1 yr



1 to 15 years



% Surgical Mortality Rate

% Surgical Mortality Rate

% Surgical Mortality Rate

Figure 8.3.1 : Mortality in all centres derived from  
 CSR data 88: Open

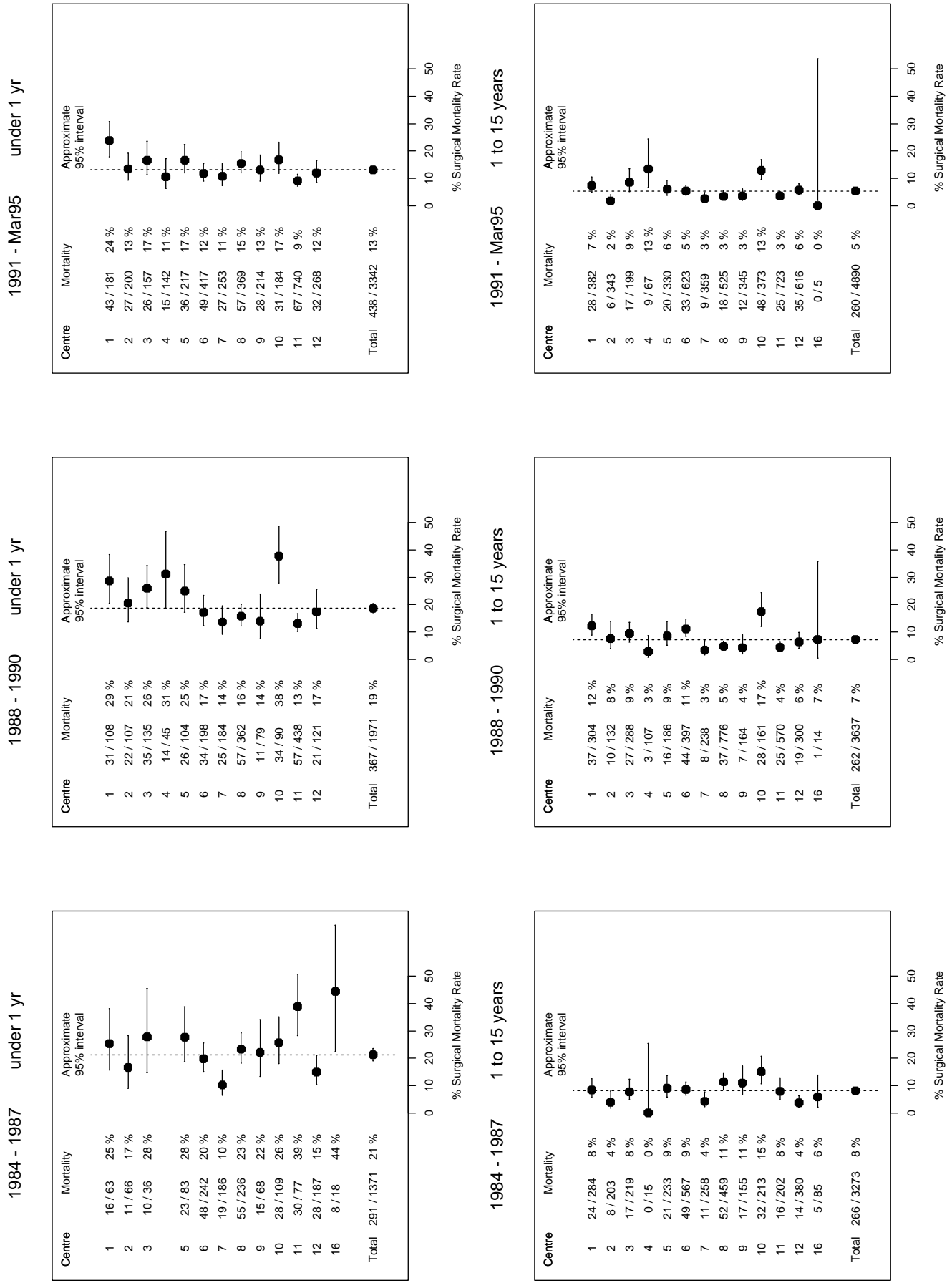
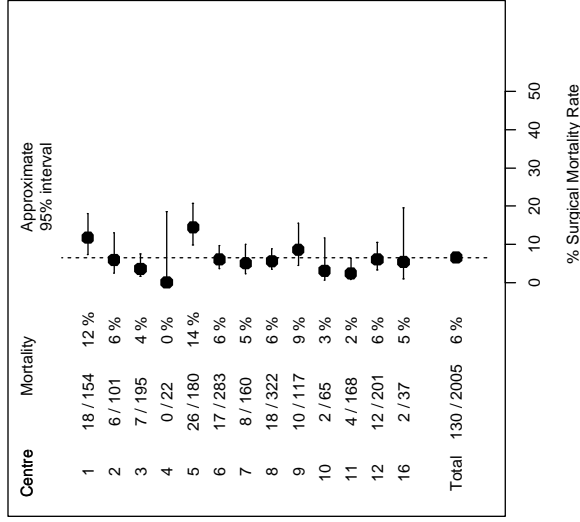
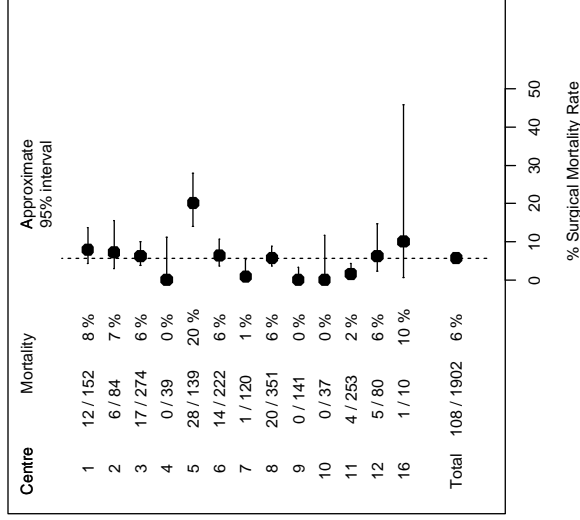


Figure 8.3.2 : Mortality in all centres derived from CSR data 99: Closed

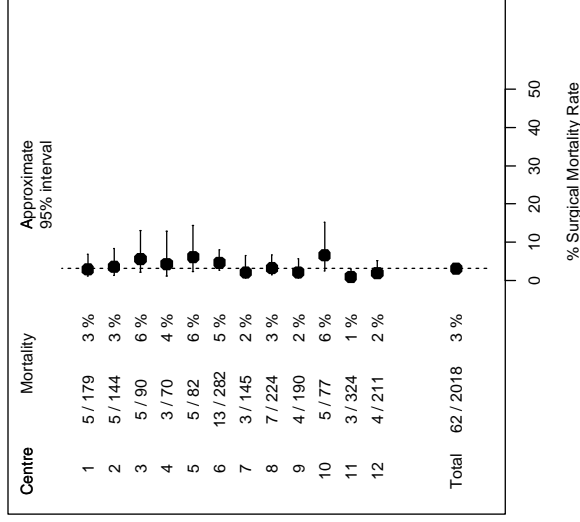
1984 - 1987 under 1 yr



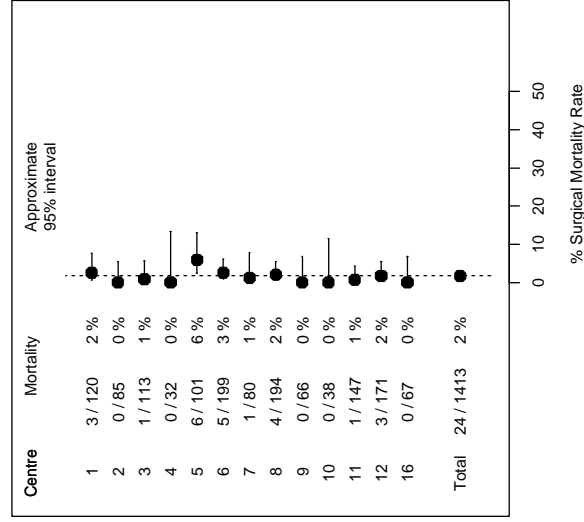
1988 - 1990 under 1 yr



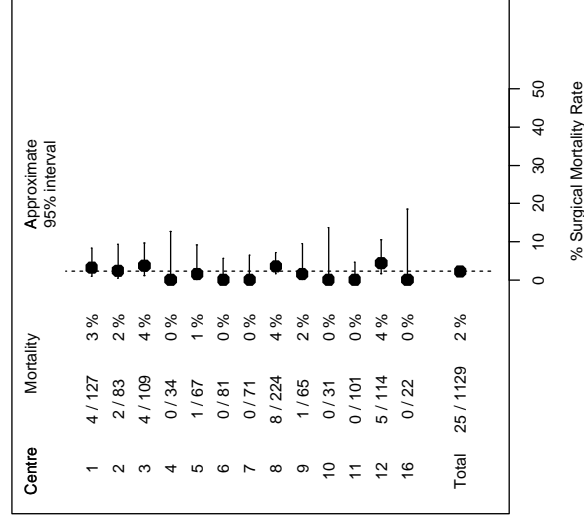
1991 - Mar95 under 1 yr



1984 - 1987 1 to 15 years



1988 - 1990 1 to 15 years



1991 - Mar95 1 to 15 years

