

**Appendix 1: Overview of the different cases**

Case type	AR	BP <sup>§</sup>	Cholesterol			Age	Gender	Smoker	Case #	
			TC/HDL <sup>#</sup>	Total <sup>#</sup>	HDL <sup>#</sup>					
<b>A</b>	(i)	3.7%	167	3.8	5.1	1.3	47	Female	n	25
	AR: lower	5.5%	167	3.8	5.1	1.3	47	Male	n	26
	IR: high (BP only)	7.1%	166	3.5	5.1	1.5	61	Female	n	27
		8.9%	156	3.0	4.9	1.6	61	Male	n	28
		8.4%	156	3.1	4.9	1.6	72	Female	n	29
		10.2%	179	6.0	6.0	1.0	47	Male	n	30
		11.9%	169	5.8	6.0	1.0	47	Female	y	31
		12.6%	157	5.2	5.8	1.1	47	Male	y	32
		11.8%	169	5.8	6.0	1.0	61	Female	n	33
		13.5%	147	5.7	5.9	1.0	61	Male	n	34
		13.2%	158	5.0	5.6	1.1	72	Female	n	35
	(i)	2.2%	114	6.7	6.2	0.9	47	Female	n	13
	AR: lower	4.9%	125	7.2	6.3	0.9	47	Male	n	14
	IR: high (chol only)	6.4%	123	6.8	6.2	0.9	61	Female	n	15
		8.9%	116	6.5	6.2	1.0	61	Male	n	16
		8.6%	118	6.6	6.3	1.0	72	Female	n	17
		10.9%	130	7.2	6.3	0.9	47	Male	y	18
		13.0%	132	7.2	6.3	0.9	61	Male	n	19
		12.4%	123	6.8	6.2	0.9	61	Female	y	20
		14.8%	110	6.6	6.3	1.0	61	Male	y	21
	11.2%	128	7.1	6.6	0.9	72	Female	n	22	
	13.9%	112	6.8	6.2	0.9	72	Male	n	23	
	13.6%	110	6.5	6.2	1.0	72	Female	y	24	
<b>B</b>	AR: high	15.6%	177	7.2	6.3	0.9	47	Female	y	7
	IR: high	18.3%	167	7.2	6.3	0.9	47	Male	y	8
		21.7%	166	6.6	6.3	1.0	61	Female	y	9
		29.9%	165	6.6	6.3	1.0	61	Male	y	10
		28.6%	166	6.6	6.3	1.0	72	Female	y	11
		39.7%	165	6.6	6.3	1.0	72	Male	y	12
<b>C</b>	AR: high	15.4%	131	4.4	5.4	1.2	61	Male	y	36
	IR: lower	15.3%	132	4.5	5.5	1.2	73 <sup>¶</sup>	Female	y	37
		19.5%	129	3.6	5.2	1.5	72	Male	y	38
		15.5%	145	5.9	5.8	1.0	61	Female	y	39
		21.3%	144	5.4	5.6	1.0	61	Male	y	40
		20.8%	145	6.0	6.0	1.0	72	Male	n	41
		20.0%	144	5.4	5.6	1.0	72	Female	y	42
		29.8%	143	5.4	5.6	1.0	72	Male	y	43
<b>D</b>	AR: lower	1.4%	122	3.9	5.3	1.3	47	Female	n	1
	IR: lower	2.2%	123	3.8	5.1	1.3	47	Male	n	2
		3.4%	122	3.9	5.3	1.3	47	Female	n	3
		6.0%	122	3.8	5.1	1.3	61	Male	n	4
		5.5%	122	3.8	5.1	1.3	72	Female	n	5
		8.5%	119	3.3	5.1	1.5	72	Male	n	6

AR=absolute cardiovascular disease risk, IR=individual risk factors, BP= systolic blood pressure

The shaded rows indicate control cases

§=(mmHg), #=(mmol/L)

<sup>¶</sup>Age was 73 in one case to ensure the correct threshold for absolute risk and individual risk factors.