

Supplemental Table 1. Data on first screening

age <sup>2</sup>	FP <sup>5</sup>	counts for FP defined as	
		narrow <sup>6</sup>	broad <sup>7</sup>
1	0	4272	3961
1	1	58	369
2	0	4867	4467
2	1	83	483
3	0	4509	4202
3	1	82	389
4	0	3804	3518
4	1	59	345
5	0	2362	2194
5	1	32	200

<sup>2</sup>age category = 1 if 40-44; 2 if 45-49; 3 if 50-54; 4 if 55-59; 5 if 60-64;

<sup>5</sup>current FP = 0 if not a false positive and 1 if a false positive

<sup>6</sup>narrow definition of FP is an unnecessary biopsy

<sup>7</sup>broad definition of FP is an unnecessary work-up

Supplemental Table 2. Data on screens after the first

previous FP <sup>1</sup>	age <sup>2</sup>	time <sup>3</sup>	screen <sup>4</sup>	FP <sup>5</sup>	counts for FP current defined as	
					narrow <sup>6</sup>	broad <sup>7</sup>
0	1	1	2	0	1143	1017
0	1	1	2	1	13	53
0	1	1	3	0	580	494
0	1	1	3	1	3	23
0	1	1	4	0	197	152
0	1	1	4	1	1	8
0	1	2	2	0	1052	921
0	1	2	2	1	7	59
0	1	2	3	0	623	530
0	1	2	3	1	2	18
0	1	2	4	0	238	200
0	1	2	4	1	0	8
0	1	3	2	0	224	200
0	1	3	2	1	2	8
0	1	3	3	0	102	93

0	1	3	3	1	1	3
0	1	3	4	0	21	18
0	1	3	4	1	0	1
0	1	4	2	0	153	135
0	1	4	2	1	1	10
0	1	4	3	0	43	37
0	1	4	3	1	0	2
0	1	4	4	0	2	1
0	1	4	4	1	0	0
0	2	1	2	0	1811	1599
0	2	1	2	1	18	77
0	2	1	3	0	1681	1389
0	2	1	3	1	11	78
0	2	1	4	0	1215	950
0	2	1	4	1	12	44
0	2	2	2	0	1757	1549
0	2	2	2	1	21	73
0	2	2	3	0	1714	1477
0	2	2	3	1	13	79
0	2	2	4	0	1620	1362
0	2	2	4	1	15	49
0	2	3	2	0	320	282
0	2	3	2	1	6	11
0	2	3	3	0	266	221
0	2	3	3	1	3	15
0	2	3	4	0	196	165
0	2	3	4	1	1	5
0	2	4	2	0	437	395
0	2	4	2	1	6	22
0	2	4	3	0	231	197
0	2	4	3	1	4	6
0	2	4	4	0	42	34
0	2	4	4	1	1	1
0	3	1	2	0	1662	1493
0	3	1	2	1	7	55
0	3	1	3	0	1589	1374
0	3	1	3	1	9	58
0	3	1	4	0	1087	882
0	3	1	4	1	13	47
0	3	2	2	0	1634	1482
0	3	2	2	1	13	71
0	3	2	3	0	1488	1309
0	3	2	3	1	10	40
0	3	2	4	0	1467	1277
0	3	2	4	1	10	44

0	3	3	2	0	291	261
0	3	3	2	1	1	8
0	3	3	3	0	218	185
0	3	3	3	1	2	9
0	3	3	4	0	193	164
0	3	3	4	1	2	10
0	3	4	2	0	406	364
0	3	4	2	1	2	20
0	3	4	3	0	204	174
0	3	4	3	1	2	4
0	3	4	4	0	48	38
0	3	4	4	1	0	1
0	4	1	2	0	1534	1388
0	4	1	2	1	10	50
0	4	1	3	0	1461	1272
0	4	1	3	1	6	53
0	4	1	4	0	1068	883
0	4	1	4	1	5	27
0	4	2	2	0	1409	1247
0	4	2	2	1	5	54
0	4	2	3	0	1296	1141
0	4	2	3	1	8	50
0	4	2	4	0	1316	1135
0	4	2	4	1	11	36
0	4	3	2	0	284	255
0	4	3	2	1	2	10
0	4	3	3	0	217	180
0	4	3	3	1	1	8
0	4	3	4	0	182	159
0	4	3	4	1	1	3
0	4	4	2	0	338	301
0	4	4	2	1	2	17
0	4	4	3	0	194	159
0	4	4	3	1	1	4
0	4	4	4	0	36	26
0	4	4	4	1	0	1
0	5	1	2	0	925	829
0	5	1	2	1	11	43
0	5	1	3	0	979	850
0	5	1	3	1	6	31
0	5	1	4	0	700	587
0	5	1	4	1	6	20
0	5	2	2	0	898	808
0	5	2	2	1	6	37
0	5	2	3	0	875	762

0	5	2	3	1	3	26
0	5	2	4	0	937	817
0	5	2	4	1	11	22
0	5	3	2	0	171	151
0	5	3	2	1	1	6
0	5	3	3	0	137	119
0	5	3	3	1	1	5
0	5	3	4	0	135	111
0	5	3	4	1	1	4
0	5	4	2	0	249	226
0	5	4	2	1	1	9
0	5	4	3	0	144	124
0	5	4	3	1	1	4
0	5	4	4	0	35	30
0	5	4	4	1	1	2
1	1	1	2	0	15	75
1	1	1	2	1	4	30
1	1	1	3	0	14	63
1	1	1	3	1	4	21
1	1	1	4	0	9	38
1	1	1	4	1	1	10
1	1	2	2	0	19	82
1	1	2	2	1	0	16
1	1	2	3	0	16	75
1	1	2	3	1	0	18
1	1	2	4	0	4	32
1	1	2	4	1	0	2
1	1	3	2	0	0	16
1	1	3	2	1	0	2
1	1	3	3	0	0	7
1	1	3	3	1	0	0
1	1	3	4	0	0	2
1	1	3	4	1	0	0
1	1	4	2	0	0	5
1	1	4	2	1	0	4
1	1	4	3	0	2	5
1	1	4	3	1	0	1
1	1	4	4	0	0	1
1	1	4	4	1	0	0
1	2	1	2	0	27	149
1	2	1	2	1	0	31
1	2	1	3	0	41	219
1	2	1	3	1	2	49
1	2	1	4	0	46	216
1	2	1	4	1	2	65

1	2	2	2	0	20	136
1	2	2	2	1	5	45
1	2	2	3	0	30	157
1	2	2	3	1	1	45
1	2	2	4	0	37	223
1	2	2	4	1	3	41
1	2	3	2	0	2	28
1	2	3	2	1	1	8
1	2	3	3	0	9	39
1	2	3	3	1	1	4
1	2	3	4	0	5	27
1	2	3	4	1	0	5
1	2	4	2	0	6	24
1	2	4	2	1	0	8
1	2	4	3	0	3	32
1	2	4	3	1	1	4
1	2	4	4	0	0	7
1	2	4	4	1	0	1
1	3	1	2	0	30	119
1	3	1	2	1	3	35
1	3	1	3	0	42	172
1	3	1	3	1	4	40
1	3	1	4	0	36	168
1	3	1	4	1	4	43
1	3	2	2	0	20	93
1	3	2	2	1	3	24
1	3	2	3	0	23	150
1	3	2	3	1	3	25
1	3	2	4	0	36	172
1	3	2	4	1	3	23
1	3	3	2	0	1	18
1	3	3	2	1	0	6
1	3	3	3	0	7	25
1	3	3	3	1	1	9
1	3	3	4	0	4	25
1	3	3	4	1	1	1
1	3	4	2	0	10	25
1	3	4	2	1	0	9
1	3	4	3	0	6	29
1	3	4	3	1	0	5
1	3	4	4	0	3	11
1	3	4	4	1	0	1
1	4	1	2	0	20	105
1	4	1	2	1	2	23
1	4	1	3	0	35	141

1	4	1	3	1	1	37
1	4	1	4	0	35	164
1	4	1	4	1	0	34
1	4	2	2	0	19	112
1	4	2	2	1	3	23
1	4	2	3	0	19	118
1	4	2	3	1	1	15
1	4	2	4	0	25	161
1	4	2	4	1	0	20
1	4	3	2	0	5	23
1	4	3	2	1	0	3
1	4	3	3	0	4	32
1	4	3	3	1	0	2
1	4	3	4	0	3	23
1	4	3	4	1	0	1
1	4	4	2	0	0	21
1	4	4	2	1	0	1
1	4	4	3	0	4	32
1	4	4	3	1	0	4
1	4	4	4	0	1	10
1	4	4	4	1	0	0
1	5	1	2	0	7	57
1	5	1	2	1	2	16
1	5	1	3	0	20	104
1	5	1	3	1	2	22
1	5	1	4	0	27	101
1	5	1	4	1	0	25
1	5	2	2	0	12	62
1	5	2	2	1	2	11
1	5	2	3	0	16	92
1	5	2	3	1	0	14
1	5	2	4	0	24	119
1	5	2	4	1	1	15
1	5	3	2	0	2	16
1	5	3	2	1	0	1
1	5	3	3	0	4	15
1	5	3	3	1	0	3
1	5	3	4	0	6	24
1	5	3	4	1	0	3
1	5	4	2	0	2	15
1	5	4	2	1	1	3
1	5	4	3	0	5	17
1	5	4	3	1	0	5
1	5	4	4	0	1	5
1	5	4	4	1	2	2

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<sup>1</sup>previous FP = 0 if none and 1 if at least one.

<sup>2</sup>age category = 1 if 40-44; 2 if 45-49; 3 if 50-54; 4 if 55-59; 5 if 60-64;

<sup>3</sup>time interval since last screen = 1 if 9-12 months, 2 if 13-15 months, 3 if 16-18 months,  
4 if 19 or more months

<sup>4</sup>screen number starting with screen 2

<sup>5</sup>current FP = 0 if not a false positive and 1 if a false positive

<sup>6</sup>narrow definition of FP is an unnecessary biopsy

<sup>7</sup>broad definition of FP is an unnecessary work-up