1   **Supplementary Tables**

2   **Table S1.** Comparison between patients with and without abdominal aortic aneurysms (AAA) in the

3   cohort screened during transthoracic echocardiograms (TTE).

	TTE (n=486)		
	AAA (n=25)	**No AAA (n=461)**	**p-value**
Males	19 (76)	340 (74)	.24
Age - years	79 (73-84)	76 (71-81)	.038
Risk Factors			
HTN	17 (68)	330 (72)	.65
Current smoker	6 (24)	49 (11)	.041
Ex-smoker	12 (48)	199 (43)	.67
Pack-years	20 (0-40)	1 (0-20)	.017
Family history of AAA	1 (4)	8 (2)	.42
Diabetes	5 (20)	116 (25)	.56
Hypercholesterolaemia	20 (80)	307 (67)	.17
AAA diameter - mm	33 (31-38)	20 (18-22)	$<2.2e^{-16}$
Deceased	13 (52)	175 (38)	.18

4   Data is represented as n (%), or median (interquartile range)

5   **Table S2.** All patients identified to have an abdominal aortic aneurysm (AAA) in those screened

6   during transthoracic echocardiography, with outcome of AAA surveillance and mortality status.

Patient	Sex	Age	AAA size (mm) at screening	AAA size (mm) at most recent follow-up	AAA surveillance outcome	Alive or Deceased
1	F	72	43	57	EVAR 4 years later	Alive
2	F	76	30	NA	No surveillance performed– Patient Declined	Alive
3	F	82	39	NA	No surveillance performed– Patient Declined	Deceased
4	F	84	42	67	Decision to conservatively manage after 6 years	Deceased
5	F	86	30	NA	No surveillance performed– Patient Declined	Deceased
6	F	87	33	35	Removed from surveillance program after 7 years	Alive
7	M	69	31	37	Transfer of care to other service after 7 years	Alive
8	M	69	37	34	4-year follow-up	Deceased
9	M	71	32	32	3-year follow-up	Alive
10	M	72	32	63	Decision to conservatively manage after 8 years	Alive
11	M	72	38	49	6-year follow-up	Alive
12	M	73	38	46	6-year follow-up	Deceased
13	M	75	31	33	6-year follow-up	Alive
14	M	76	31	29	6-year follow-up	Alive
15	M	77	36	45	6-year follow-up	Alive
16	M	78	31	31	6-year follow-up	Alive
17	M	79	34	34	Removed from surveillance program after 1 year - Medically instigated	Deceased
18	M	81	32	NA	No surveillance performed– Patient Declined	Deceased
19	M	81	38	38	1-year follow-up	Deceased
20	M	84	44	NA	No surveillance performed– Patient Declined	Alive
21	M	84	47	51	Transfer of care to other service after 3 years	Deceased
22	M	84	31	31	4-year follow-up	Deceased
23	M	87	33	NA	No surveillance performed– Patient Declined	Deceased
24	M	87	33	37	1-year follow-up	Deceased
25	M	88	40	NA	No surveillance performed– Patient Declined	Deceased

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8   **Table S3:** Multiple logistic regression analysis of independent risk factors association with abdominal

9   aortic aneurysms (AAA) in the cohort of patients screened during transthoracic echocardiography

10   (TTE).

	Estimate	Std. Error	T value	Pr(>|t|)
(Intercept)	11.080322	2.902863	3.817	0.000135
Age	-0.092223	0.034215	-2.695	0.007030
HTN	0.366933	0.483912	0.758	0.448293
Smoker	-0.664539	0.608347	-1.092	0.274671
Ex-smoker	0.216945	0.535891	0.405	0.685602
Pack years	-0.024152	0.006826	-3.538	0.000403
Family History	-0.632234	1.107996	-0.571	0.568264
Diabetes	0.312564	0.549957	0.568	0.569802
Hypercholesterolaemia	-1.090644	0.570973	-1.910	0.056114

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12   **Table S4:** Comparison between patients with and without abdominal aortic aneurysms (AAA) in the

13   cohort screened during peripheral arterial duplexes (PAD).

	PAD (n=276)		
	AAA (n=29)	No AAA (n=247)	p-value
Males	19 (66)	153 (62)	.24
Age - years	77 (70-84)	78 (75-84)	.19
Risk Factors			
HTN	19 (66)	166 (67)	.78
Current smoker	12 (41)	48 (19)	.007
Ex-smoker	10 (34)	88 (36)	.78
Pack-years	23 (0-45)	0 (0-24)	.003
Family history of AAA	0 (0)	2 (1)	NA
Diabetes	8 (28)	104 (42)	.18
Hypercholesterolaemia	22 (76)	164 (66)	.39
AAA diameter - mm	36 (32-41)	19 (18-22)	<2.2e-06
Deceased	22 (76)	87 (35)	.0004

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23   Data is represented as n (%), or median (interquartile range)

24 **Table S5:** All patients identified to have an abdominal aortic aneurysm (AAA) in those screened

25 during peripheral arterial duplex, with outcome of AAA surveillance and mortality status.

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| Patient	Sex	Age	AAA size (mm) at screening	AAA size (mm) at most recent follow-up	AAA surveillance outcome	Alive or Deceased
1	F	75	46	48	2-year follow-up	Deceased
2	F	75	32	39	5-year follow-up	Deceased
3	F	77	32	32	2-year follow-up	Deceased
4	F	78	43	48	1-year follow-up	Deceased
5	F	78	40	55	3-year follow-up	Deceased
6	F	84	41	NA	No surveillance performed– Patient Declined	Alive
7	F	84	46	NA	No surveillance performed– Patient Declined	Alive
8	F	85	40	NA	No surveillance performed– Patient Declined	Deceased
9	F	86	55	59	3-year follow-up	Deceased
10	F	91	31	32	1-year follow-up	Alive
11	M	66	38	43	5-year follow-up	Alive
12	M	66	31	31	8-year follow-up	Alive
13	M	70	38	40	1-year follow-up	Deceased
14	M	71	34	NA	No surveillance performed– Patient Declined	Deceased
15	M	71	35	34	4-year follow-up	Deceased
16	M	72	38	49	7-year follow-up	Deceased
17	M	74	43	NA	No surveillance performed– Patient Declined	Deceased
18	M	75	31	NA	Transfer of care to other service after screening	Alive
19	M	76	60	NA	EVAR 3 days after screening	Deceased
20	M	77	36	45	6-year follow-up	Alive
21	M	78	31	29	Patient asked to be removed from surveillance program after 1 year	Deceased
22	M	79	34	34	Discharged after 1 year- Medically instigated	Deceased
23	M	81	32	NA	Deceased shortly after screening	Deceased
24	M	83	31	34	1-year follow-up	Deceased
25	M	84	30	33	5-year follow-up	Deceased
26	M	88	30	NA	No surveillance performed– Patient Declined	Deceased
27	M	89	40	NA	Deceased shortly after screening	Deceased
28	M	89	32	NA	Deceased shortly after screening	Deceased
29	M	94	67	67	Medical decision to conservatively manage at screening	Deceased

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28   **Table S6:** Multiple logistic regression analysis of independent risk factors association with abdominal

29   aortic aneurysms (AAA) in the cohort of patients screened during transthoracic echocardiography

30   (PAD).

	Estimate	Std. Error	T value	Pr(>|t|)
(Intercept)	5.098e+00	2.541e+00	2.007	0.04480
Age	- 2.867e-02	3.139e-02	-0.913	0.36111
HTN	0 -2.684e-01	5.081e-01	-0.528	0.59736
Smoker	-1.724e+00	6.279e-01	-2.746	0.00604
Ex-smoker	-5.815e-01	5.977e-01	-0.973	0.33060
Pack years	1.485e-03	8.784e-03	0.169	0.86571
Family History	1.457e+01	1.696e+03	0.009	0.99314
Diabetes	5.970e-01	4.886e-01	1.222	0.22175
Hypercholesterolaemia	-1.140e-01	5.213e-01	-0.219	0.82684

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Supplementary Figures
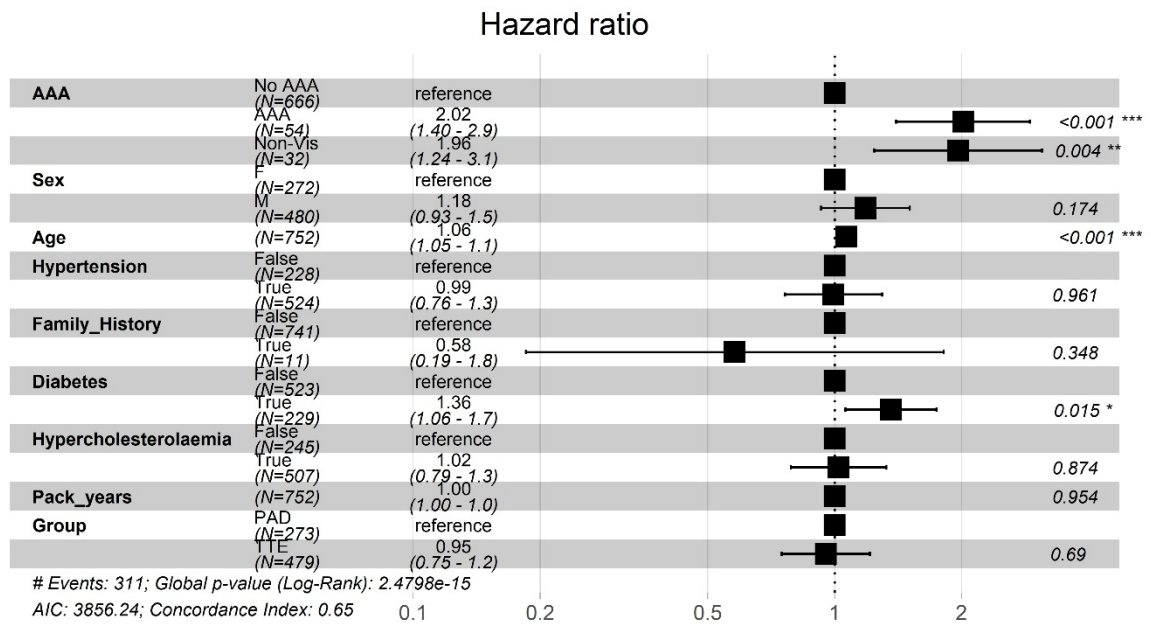
Figure S1. Forest plot for hazard ratios for mortality in the combined cohort of patients screened

during transthoracic echocardiogram (TTE) and peripheral arterial duplex (PAD).