

**On-line Table: Interaction of statin use and other covariates in the multivariable model<sup>a</sup>**

Outcome: Dependent Variable	Independent Covariable	Statin OR Calculated at Covariable Level	OR (Statin vs No Statin)	Lower 95% CI	Upper 95% CI	P Value for Interaction with Statin Use Covariable
Major ipsilateral ischemic stroke	Age	At age = 49	2.43	0.76	7.75	.313
		At age = 58	1.76	0.80	3.85	
		At age = 67	1.27	0.55	2.91	
	Multiple PED use	At multiple PED use = yes	1.79	0.68	4.69	.534
		At multiple PED use = no	1.12	0.34	3.66	
	Aneurysm type	At aneurysm type = dissecting	13.97	0.94	207.48	.393
		At aneurysm type = fusiform	1.53	0.44	5.37	
		At aneurysm type = other	2.12	0.18	25.67	
	Aneurysm size	At aneurysm type = saccular	1.14	0.40	3.27	.814
		At aneurysm size = 6.5	1.63	0.56	4.73	
		At aneurysm size = 11	1.55	0.67	3.55	
	Study	At aneurysm size = 17.3	1.44	0.64	3.22	.761
		At study = ASP	2.38	0.31	18.54	
		At study = INT	1.57	0.68	3.63	
	Major ipsilateral intracranial hemorrhage	Age	At age = 49	0.10	0.003	2.98
At age = 58			0.17	0.02	1.69	
At age = 67			0.31	0.08	1.27	
Multiple PED use		At multiple PED use = yes	0.29	0.06	1.56	.673
		At multiple PED use = no	0.48	0.09	2.63	
Aneurysm type		At aneurysm type = dissecting	1.36	0.04	43.45	.629
		At aneurysm type = fusiform	0.50	0.08	3.20	
		At aneurysm type = other	1.28	0.11	14.83	
Aneurysm size		At aneurysm type = saccular	0.14	0.01	2.11	.707
		At aneurysm size = 6.5	0.28	0.04	1.99	
		At aneurysm size = 11	0.32	0.08	1.38	
Study		At aneurysm size = 17.3	0.40	0.12	1.36	.843
		At study = ASP	0.21	0.01	3.79	
		At study = INT	0.48	0.12	1.88	
Major morbidity		Age	At study = PUF	0.69	0.03	14.98
	At age = 49		1.26	0.40	3.93	
	At age = 58		1.01	0.48	2.12	
	Multiple PED use	At age = 67	0.80	0.40	1.61	.729
		At multiple PED use = yes	0.94	0.40	2.21	
	Aneurysm type	At multiple PED use = no	0.75	0.26	2.11	.409
		At aneurysm type = dissecting	4.53	0.42	48.78	
		At aneurysm type = fusiform	0.95	0.32	2.86	
	Aneurysm size	At aneurysm type = other	1.76	0.24	12.91	.903
		At aneurysm type = saccular	0.59	0.22	1.63	
		At aneurysm size = 6.5	0.90	0.34	2.38	
	Study	At aneurysm size = 11	0.88	0.42	1.84	.677
		At aneurysm size = 17.3	0.85	0.42	1.72	
		At study = ASP	0.59	0.10	3.56	
	Neurologic mortality	Age	At study = INT	1.04	0.50	2.18
At study = PUF			0.34	0.02	6.73	
At age = 49			2.90	0.64	13.26	
Multiple PED use		At age = 58	1.39	0.53	3.65	.313
		At age = 67	0.67	0.30	1.50	
Aneurysm type		At multiple PED use = yes	0.95	0.34	2.61	.239
		At multiple PED use = no	0.40	0.10	1.57	
		At aneurysm type = dissecting	4.56	0.39	53.00	
Aneurysm size		At aneurysm type = fusiform	1.23	0.33	4.65	.762
		At aneurysm type = other	0.70	0.10	4.73	
		At aneurysm type = saccular	0.25	0.05	1.32	
Study		At aneurysm size = 6.5	0.58	0.16	2.09	.834
		At aneurysm size = 11	0.63	0.24	1.63	
		At aneurysm size = 17.3	0.70	0.30	1.59	
Major morbidity and neurologic mortality		Age	At study = ASP	0.36	0.02	7.07
	At study = INT		0.80	0.34	1.91	
	At study = PUF		0.46	0.02	9.58	
	Multiple PED use	At age = 49	1.44	0.51	4.08	.328
		At age = 58	1.05	0.53	2.07	
	Aneurysm type	At age = 67	0.77	0.42	1.42	.325
		At multiple PED use = yes	1.06	0.49	2.29	
		At multiple PED use = no	0.58	0.23	1.50	
	Aneurysm size	At aneurysm type = dissecting	4.08	0.39	43.10	.950
		At aneurysm type = fusiform	1.25	0.48	3.29	
		At aneurysm type = other	1.01	0.15	6.58	
	Study	At aneurysm type = saccular	0.52	0.21	1.29	.483
		At aneurysm size = 6.5	0.84	0.35	2.04	
		At aneurysm size = 11	0.83	0.43	1.63	
	Study	At aneurysm size = 17.3	0.82	0.44	1.53	.483
At study = ASP		0.43	0.07	2.55		
At study = INT		1.03	0.54	1.98		
	At study = PUF	0.27	0.01	5.34		

**On-line Table: Continued**

Outcome: Dependent Variable	Independent Covariable	Statin OR Calculated at Covariable Level	OR (Statin vs No Statin)	Lower 95% CI	Upper 95% CI	P Value for Interaction with Statin Use Covariable
All-cause mortality	Age	At age = 49	2.30	0.56	9.41	.101
		At age = 58	1.32	0.53	3.25	
		At age = 67	0.75	0.36	1.57	
	Multiple PED use	At multiple PED use = yes	0.94	0.37	2.41	.451
		At multiple PED use = no	0.53	0.16	1.75	
	Aneurysm type	At aneurysm type = dissecting	3.35	0.31	36.04	.275
		At aneurysm type = fusiform	1.50	0.44	5.13	
		At aneurysm type = other	0.70	0.10	4.85	
	Aneurysm size	At aneurysm type = saccular	0.35	0.09	1.30	.681
		At aneurysm size = 6.5	0.62	0.18	2.07	
		At aneurysm size = 11	0.67	0.27	1.67	
	Study	At aneurysm size = 17.3	0.77	0.36	1.61	.792
		At study = ASP	0.62	0.10	3.92	
		At study = INT	0.90	0.39	2.06	
	Without complete aneurysm occlusion at last follow-up	Age	At study = PUF	0.34	0.02	6.87
At age = 49			1.50	0.39	5.70	
At age = 58			1.37	0.57	3.30	
Multiple PED use		At age = 67	1.25	0.55	2.82	.061
		At multiple PED use = yes	0.68	0.19	2.41	
Aneurysm type		At multiple PED use = no	3.24	1.15	9.13	.947
		At aneurysm type = dissecting	1.81	0.09	38.00	
		At aneurysm type = fusiform	1.71	0.40	7.33	
Aneurysm size		At aneurysm type = saccular	1.61	0.67	3.87	.570
		At aneurysm size = 6.5	1.18	0.29	4.75	
		At aneurysm size = 11	1.38	0.52	3.66	
Study		At aneurysm size = 17.3	1.73	0.80	3.71	.074
		At study = ASP	2.59	1.03	6.52	
		At study = PUF	0.41	0.07	2.48	
Stenosis >50% at last follow-up		Age	At study = ASP	4.37	0.45	42.39
	At age = 49		3.26	0.64	16.52	
	At age = 58		2.43	0.34	17.55	
	Multiple PED use	At age = 67	4.63	0.70	30.90	.383
		At multiple PED use = yes	0.85	0.03	25.54	
	Aneurysm type	At multiple PED use = no	5.44	0.53	56.03	.447
		At aneurysm type = fusiform	1.53	0.17	13.92	
		At aneurysm type = saccular	1.75	0.03	104.33	
	Aneurysm size	At aneurysm size = 6.5	2.01	0.09	44.35	.806
		At aneurysm size = 11	2.45	0.35	17.11	
		At aneurysm size = 17.3	0.72	0.04	14.91	
	Study	At study = ASP	4.97	0.70	35.37	.286
		At study = PUF				

**Note:**—ASP indicates ASPIRe; INT, IntrePED; PUF, PUFs.

<sup>a</sup> Interaction models included all covariables listed with the addition of statin use by covariable interaction term indicated, except for the outcome of “without complete aneurysm occlusion at last follow-up,” which, due to nonconvergence issues, is modeled with covariables for statin use, the covariable indicated, and the interaction term only.