Supplementary Online Content

Lioutas V-A, Beiser AS, Aparicio HJ, et al. Assessment of incidence and risk factors of intracerebral hemorrhage among participants in the Framingham Heart Study between 1948 and 2016. *JAMA Neurol.* Published online June 8, 2020. doi:10.1001/jamaneurol.2020.1512

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Age-Specific and Sex-Specific Deep Intracerebral Hemorrhage Incidence Rates in the Framingham Heart Study, 1948-2016

Age group (years)	Women			Men			Combined women and men		
	N	PY	Rate*	N	PY	Rate*	N	PY	Rate*
45-74	7	132838	5	10	108711	9	17	241549	7
75-84	7	26220	27	5	16588	30	12	42808	28
85-99	9	11394	79	6	4564	131	15	15958	94
45-99	23	170452	13	21	129863	16	44	300315	15
Age-Adjusted	..	..	12	..	..	19	..	..	..
PY: person-years * per 100,000 person-years									

eTable 2. Age-Specific and Sex-Specific Lobar Intracerebral Hemorrhage Incidence Rates in the Framingham Heart Study, 1948-2016

Age group (years)	Women			Men			Combined women and men			
	N	PY	Rate*	N	PY	Rate*	N	PY	Rate*	
45-74	8	132839	6	12	108711	11	20	241550	8	
75-84	14	26224	53	6	16588	36	20	42812	47	
85-99	9	11394	79	6	4563	131	15	15957	94	
45-99	31	170457	18	24	129862	18	55	300319	18	
Age-Adjusted			17	..	..	21	..	..	..	
PY: person-years * per 100,000 person-years										

eTable 3. Unadjusted and Age-Adjusted Incidence Rate Ratios of Intracerebral Hemorrhage in Men vs Women

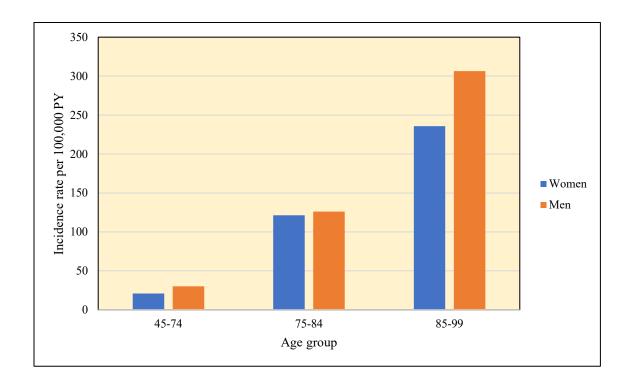| | N | PY | Crude | | | | Adjusted for age | | | |
| | | | Poisson Regression | | | | Poisson Regression | | | |
	N	PY	Rate*	Estimate	95% CI	P value	Rate*	Estimate	95% CI	p
Men	57	130210	44	1.00	..	ref	50	1.00	..	ref
Women	72	171072	42	0.96	0.68-1.36	0.825	38	0.77	0.54-1.09	0.142

PY: person-years
CI: Confidence interval
* per 100,000 person-years

eTable 4. Anticoagulant Use Trends

	Lobar ICH cases and controls*		
	Epoch 1	Epoch 2	Epoch 3
N with available data	55	75	40
Using anticoagulant, n(%)	1 (1.8)	3 (4.0)	3 (7.5)
* anticoagulant use data available on 170/275 (62%) participants			
	Deep ICH cases and controls**		
	Epoch 1	Epoch 2	Epoch 3
N with available data	44	62	61
Using anticoagulant, n(%)	0 (0)	3 (4.8)	11 (18)
**anticoagulant use data available on 167/220 (76%) participants			
	All ICH cases and controls***		
	Epoch 1	Epoch 2	Epoch 3
N with available data	99	137	101
Using anticoagulant, n(%)	1 (1.0)	6 (4.4)^	14 (13.9)^
***anticoagulant use data available on 337/495 (68%) participants ^ Epoch 3 vs 2 Odds Ratio 3.51 , 95% CI [1.30-9.49], p=0.013 (Age-Adjusted: OR=3.28, 95% CI [1.20-8.95], p=0.020			

eFigure 1. Age-Stratified and Sex-Stratified Incidence of Intracerebral Hemorrhage

eFigure 2. Incidence Rate of Lobar and Deep Intracerebral Hemorrhage Stratified by Age