**SUPPLEMENTAL MATERIAL**

Supplemental Table I: Causative subtypes by adjudicators and readjudicators. The numbers indicate number of stroke cases evaluated.

|		Readjudicator				
		LAA	CE	SAO	Other	Undetermined
Adjudicator	LAA	**186**	9	3	1	39
	CE	4	**296**	7	2	31
	SAO	6	8	**125**	3	62
	Other	1	0	2	**56**	10
	Undetermined	23	36	40	13	**546**

Supplemental Table II: Phenotypic subtypes by adjudicators and readjudicators. The numbers indicate number of stroke cases evaluated.

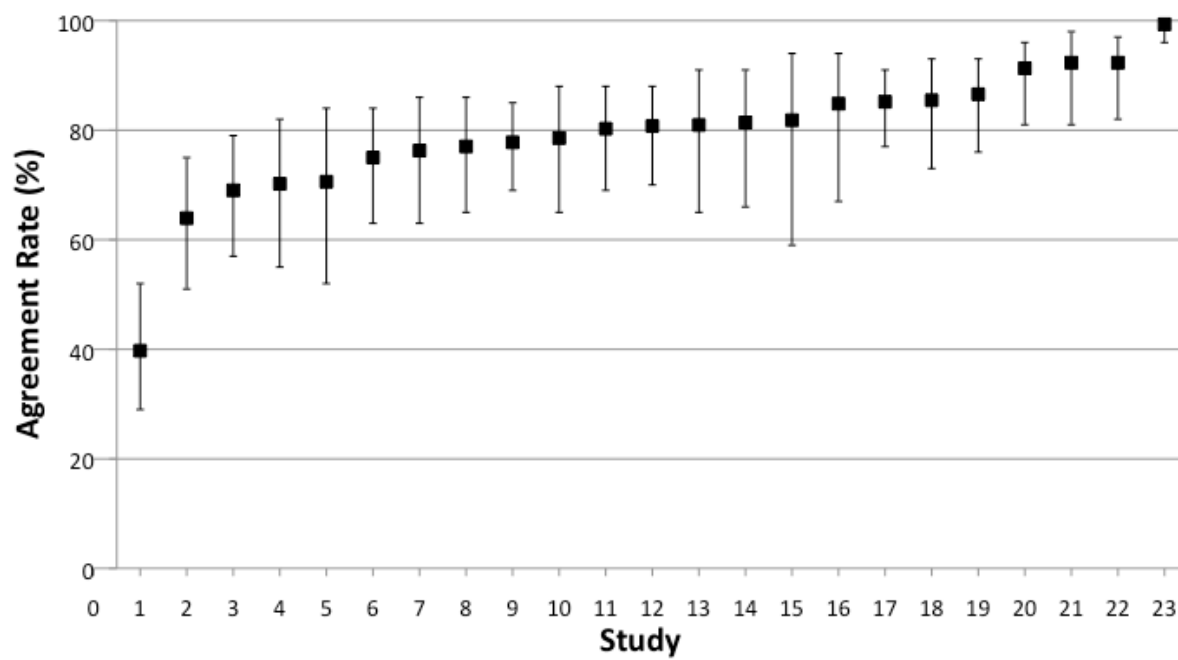|		Readjudicator				
		LAA-major	CE-major	LI-major	Other-major	Undetermined
Adjudicator	LAA-major	**177**	4	1	1	36
	CE-major	4	**307**	4	1	26
	LI-major	5	3	**108**	3	56
	Other-major	1	0	2	**51**	12
	Undetermined	28	45	40	15	**579**

Supplemental figure I:
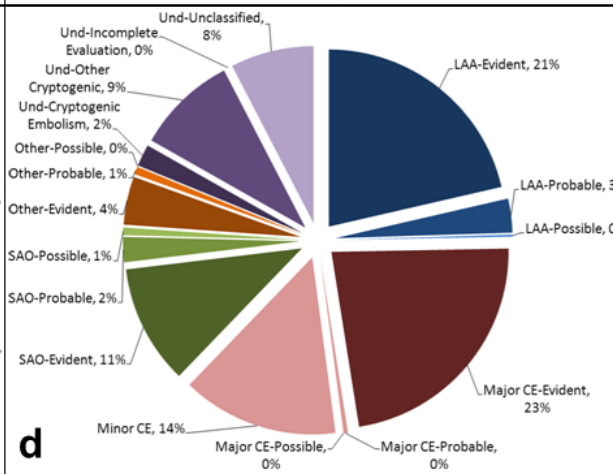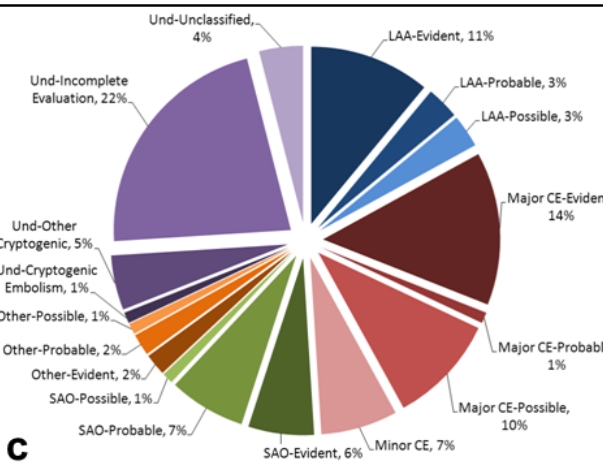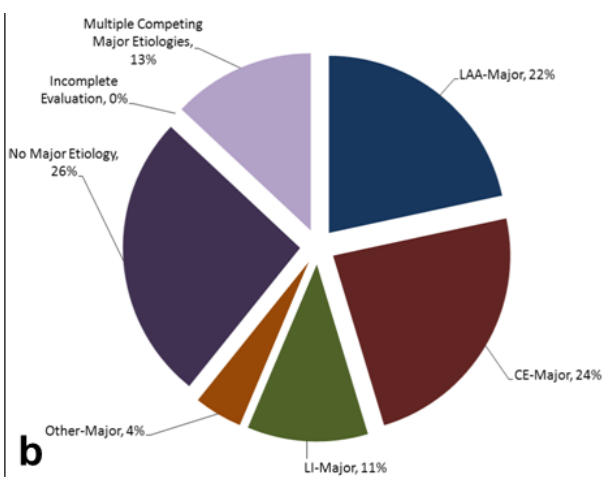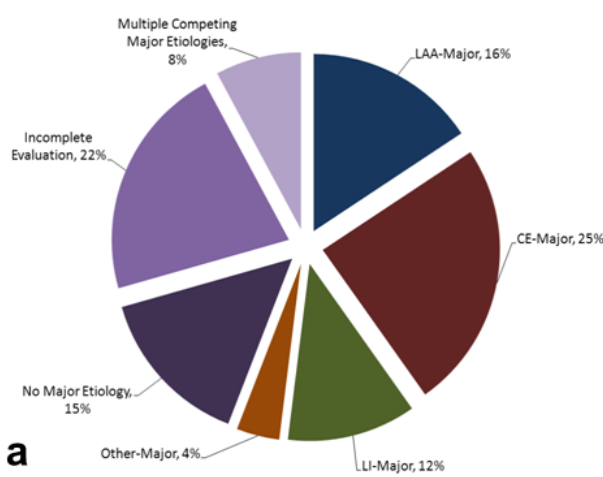
Supplemental Figure II:
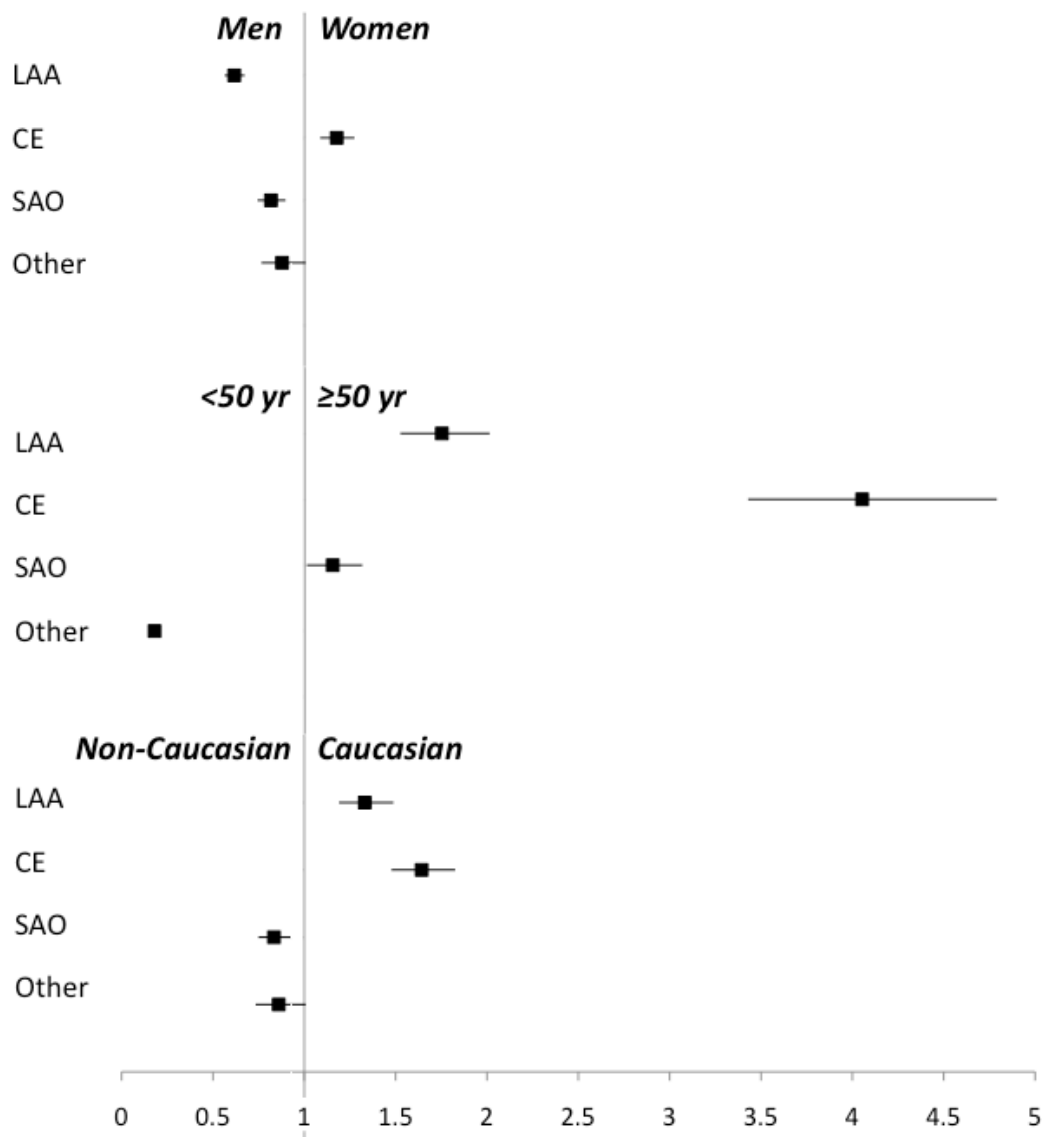
Supplemental Figure III:

Supplemental Figure Legends:

Supplemental figure I: Distribution of causative and phenotypic stroke subtypes in studies with unselected populations: 1(a), phenotypic subtypes in the entire population; 1(b), phenotypic subtypes in the subset with complete vascular and cardiac investigation; 1(c), causative subtypes in the entire population; 1(d), causative subtypes in the subset with complete vascular and cardiac investigation. Und: undetermined

Supplemental figure II: Association between causative stroke subtypes and patient characteristics. Multinomial logistic regression was used to calculate odds ratios and 95% CI with the "Undetermined" group as the reference category.

Supplemental figure III: Crude agreement rates for causative classification between adjudicators and readjudications across the contributing studies.