SUPPLEMENTAL MATERIAL

Table I. Ninety-day Post-stroke Functional Outcomes by Sex.

ADL and IADL items (range:1-4)	Male (N=190)			Female (N=209)					
	Mean	(SD)	% Reporting "Can only do with help"	Mean	(SD)	% Reporting "Can only do with help"	beta*	(SE)	p-value#
Average ADL	1.86	(1.01)		2.22	(1.12)		0.25	(0.10)	0.013
Walking Across Room	2.01	(1.27)	26.32	2.42	(1.34)	37.32	0.30	(0.13)	0.017
Bathing	2.21	(1.34)	33.16	2.60	(1.39)	47.37	0.25	(0.13)	0.055
Brushing	1.55	(1.06)	13.68	1.84	(1.20)	20.57	0.18	(0.11)	0.095
Eating	1.62	(1.03)	12.63	1.88	(1.21)	21.05	0.21	(0.11)	0.068
Dressing	2.07	(1.27)	27.37	2.36	(1.32)	34.93	0.20	(0.13)	0.115
Moving	1.76	(1.19)	20.00	2.25	(1.36)	34.93	0.39	(0.12)	0.002
Using Toilet	1.78	(1.26)	23.16	2.17	(1.37)	33.49	0.26	(0.13)	0.041
Average IADL	2.42	(1.06)		2.88	(0.97)		0.37	(0.10)	0.000
Pulling/Pushing	2.60	(1.31)	42.63	3.15	(1.21)	62.68	0.47	(0.12)	0.000
Stooping	2.64	(1.28)	43.16	3.16	(1.14)	59.81	0.44	(0.12)	0.000
Lifting	2.48	(1.33)	39.47	3.25	(1.14)	65.07	0.70	(0.12)	<.0001
Reaching	1.95	(1.21)	22.11	2.41	(1.30)	35.41	0.40	(0.13)	0.002
Getting Up From Stooping	2.89	(1.23)	51.58	3.36	(1.05)	68.90	0.41	(0.11)	0.000
Standing Up After Sitting	2.05	(1.19)	22.63	2.38	(1.25)	31.58	0.22	(0.12)	0.059
Walking Up One Stair	2.53	(1.37)	43.16	3.15	(1.20)	62.20	0.53	(0.13)	<.0001
Writing or Handling Small Objects	1.89	(1.15)	18.42	2.22	(1.27)	28.71	0.23	(0.12)	0.056
Walking Quarter Mile	2.65	(1.37)	47.37	3.23	(1.21)	68.42	0.48	(0.13)	0.000
Walking Up 10 Steps	2.48	(1.37)	42.11	3.05	(1.32)	64.11	0.48	(0.13)	0.000
Using Telephone	1.70	(1.16)	17.89	1.94	(1.27)	23.92	0.11	(0.12)	0.336
Managing Money	2.42	(1.45)	44.21	2.59	(1.44)	49.28	0.06	(0.14)	0.675
Doing All Cooking	2.57	(1.43)	48.42	2.92	(1.36)	59.33	0.23	(0.14)	0.091
Doing Heavy Housework	2.79	(1.36)	53.16	3.33	(1.14)	72.25	0.46	(0.12)	0.000
Doing All Shopping	2.65	(1.39)	49.47	3.10	(1.30)	65.55	0.34	(0.13)	0.010

ADL = Activities of Daily Living, IADL = Instrumental Activities of Daily Living, SD = standard deviation, SE = standard error
* Age-adjusted mean difference comparing female to male
# p-value from age-adjusted linear regression

Table II. Multivariable Tobit Model of the Association Between Sex and Ninety-day Post-stroke Functional Outcome Measured as Average ADL/IADL Score (score ranging from 1 (no difficulty) to 4 (can only do with help)).

Variable	Estimate	95% CI
Female sex[*]		
Mean of NIHSS (6)	0.40	0.18, 0.63
25th percentile of NIHSS (2)	0.31	0.08, 0.54
50th percentile of NIHSS (4)	0.37	0.17, 0.57
75th percentile of NIHSS (8)	0.42	0.15, 0.68
Age	0.02	0.01, 0.03
Race-ethnicity		
White	ref	
Mexican American	0.33	0.14, 0.52
African American	0.16	-0.28, 0.60
Other	0.05	-0.52, 0.63
Marital status		
Married/living with someone	ref	
Single	0.31	-0.06, 0.68
Widowed	-0.08	-0.31, 0.16
Divorced/separated	-0.06	-0.32, 0.19
Pre-stroke nursing home residence	0.44	-0.05, 0.93
Pre-stroke modified Rankin Scale		
0-1	ref	
2-3	0.36	0.17, 0.55
4+	0.59	0.23, 0.94
Pre-stroke IQCODE	0.16	-0.03, 0.35
Comorbidity index	0.15	0.09, 0.22
CAD/MI	-0.19	-0.41, 0.03
History of stroke/TIA	0.13	-0.08, 0.33
BMI	0.00	-0.01, 0.02

IQCODE=Informant Questionnaire for Cognitive Decline in the Elderly; CAD=coronary artery disease; MI=myocardial infarction; TIA=transient ischemic attack; BMI=body mass index; NIHSS=National Institute for Health Stroke Scale.
* Evaluated at various values of NIHSS given interaction between sex and NIHSS.
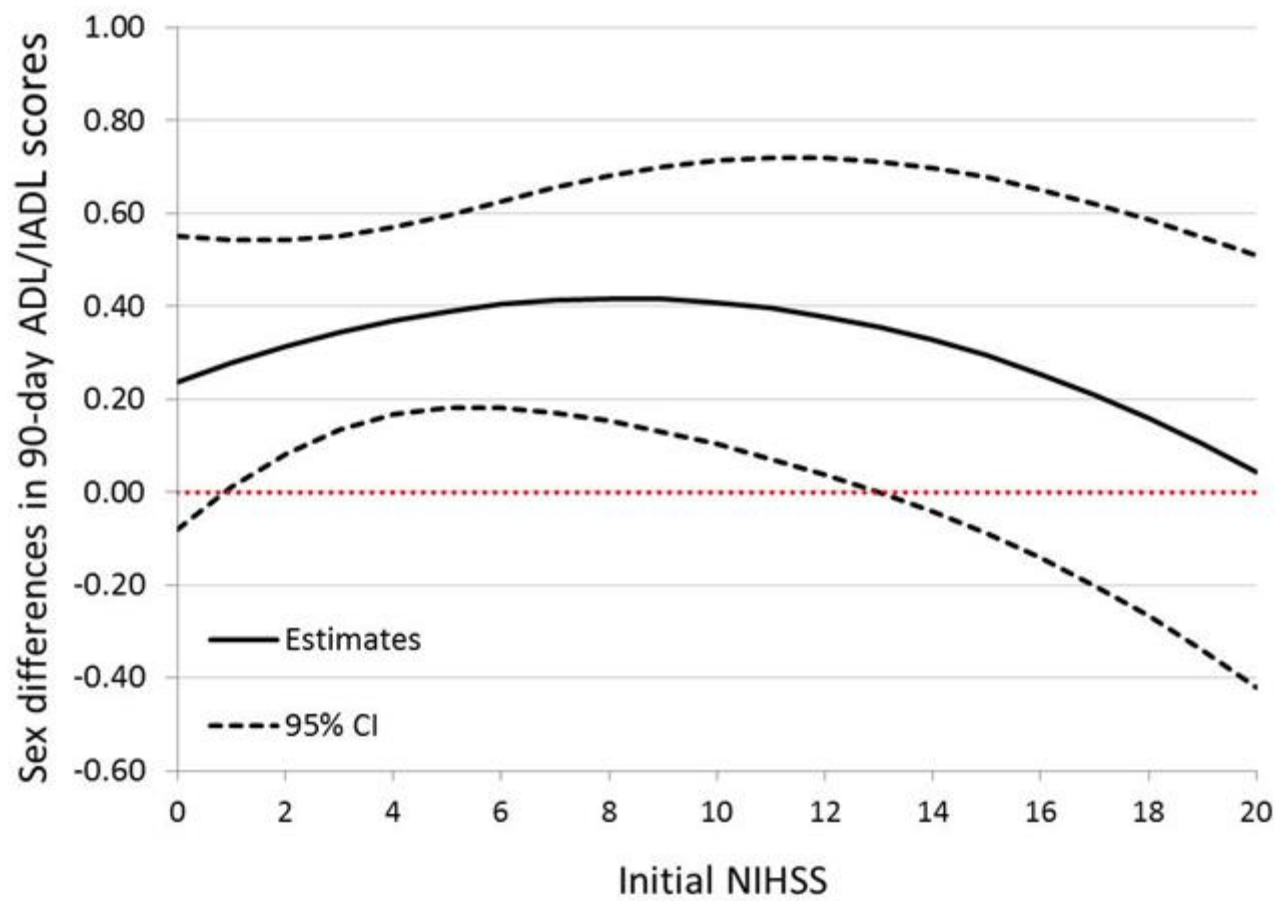
Figure I. Effect Modification of the Sex Difference in Functional Outcome by Initial Stroke Severity (NIHSS=National Institute for Health Stroke Scale).
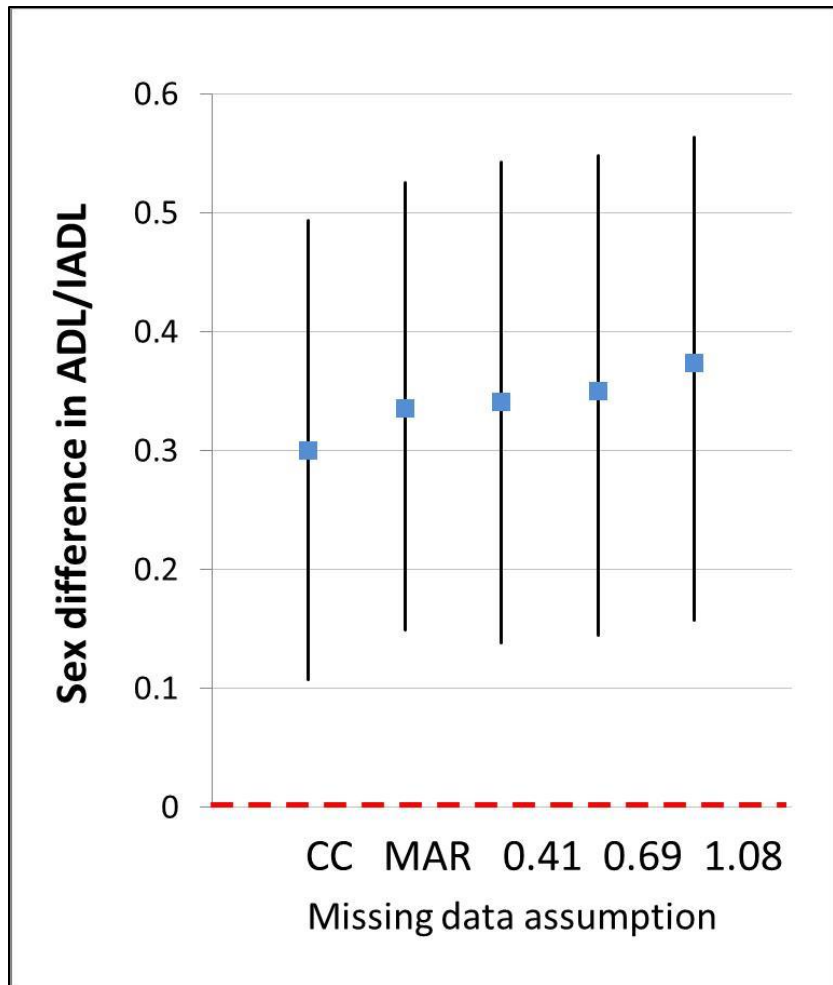
Figure II. Results of Sensitivity Analysis for Missing Data. Sex differences in ADL/IADL score across a range of assumed missing data mechanisms (x-axis: CC=complete case analysis, MAR = data missing at random, and three assumed values of the difference in scores that those missing would have after adjusting for covariates in the model).