

Supplemental Materials B. Demographic and seizure characteristics for categorical language activation patterns of patients

	Left Dominant				Bilateral	Crossed Dominant		Right Dominant		
	L IFG/ L WA (n=128)	L IFG (n=4)	B IFG/ L WA (n=21)	L IFG/ B WA (n=11)	B IFG/ B WA (n=3)	L IFG/ R WA (n=10)	R IFG/ L WA (n=16)	B IFG/ R WA (n=7)	R IFG/ B WA (n=7)	R IFG/ RWA (n=13)
Gender										
Male	60.2% (n=77)	50% (n=2)	42.9% (n=9)	27.3% (n=3)	66.7% (n=2)	60% (n=6)	50% (n=8)	42.9% (n=3)	71.4% (n=5)	46.2% (n=6)
Female	39.8% (n=51)	50% (n=2)	57.1% (n=12)	72.7% (n=8)	33.3% (n=1)	40% (n=4)	50% (n=8)	57.1% (n=4)	28.6% (n=2)	53.8% (n=7)
Mean Age (SD)										
	21.4 (10.9)	16.6 (1.4)	25.1 (15.1)	26.3 (16.0)	25.3 (19.1)	25.2 (16.0)	19.0 (11.8)	14.5 (4.1)	28.7 (13.3)	20.7 (14.4)
Handedness										
Right	86.7% (n=111)	50% (n=2)	76.2% (n=16)	81.8% (n=9)	100% (n=3)	90% (n=9)	62.5% (n=10)	85.7% (n=6)	57.1% (n=4)	38.5% (n=5)
Ambidextrous	7.8% (n=10)	0%	4.8% (n=1)	9.1% (n=1)	0%	10% (n=1)	12.5% (n=2)	0%	0%	7.7% (n=1)
Left	5.5% (n=7)	50% (n=2)	19.0% (n=4)	9.1% (n=1)	0%	0%	25% (n=4)	14.3% (n=1)	42.9% (n=3)	53.8% (n=7)
Mean IQ (SD)										
	(n=78)	(n=2)	(n=10)	(n=3)	(n=2)	(n=5)	(n=9)	(n=4)	(n=6)	(n=11)
FSIQ	94 (16)	66 (22)	86 (11)	91 (12)		86 (18)	92 (16)	86 (17)	96 (12)	95 (16)
VIQ	94 (15)	68 (18)	86 (12)	94 (18)	92 (32)	84 (9)	92 (12)	95 (16)	95 (14)	96 (13)
PIQ	95 (17)	78 (10)	64 (13)	80 (6)	94 (55)	101 (23)	99 (19)	81 (10)	97 (11)	92 (13)
Age of onset										
Early	27.3% (n=35)	50% (n=2)	26.3% (n=5)	9.1% (n=1)	0%	80% (n=8)	26.7% (n=4)	28.6% (n=2)	42.9% (n=3)	61.5% (n=8)
Late	72.7% (n=93)	50% (n=2)	73.7% (n=14)	90.9% (n=10)	100% (n=3)	20% (n=2)	73.3% (n=11)	71.4% (n=5)	57.1% (n=4)	38.5% (n=5)
Mean (SD)	11.7 (8.7)	6.6 (4.9)	15.4 (10.1)	15.1 (11.9)	17.8 (11.4)	5.3 (5.6)	12.4 (9.7)	8.3 (3.4)	14.1 (12.1)	9.7 (11.1)
Focus										
LT	41.4% (n=53)	25% (n=1)	52.4% (n=11)	18.2% (n=2)	66.7% (n=2)	20% (n=2)	37.5% (n=6)	28.6% (n=2)	14.3% (n=1)	53.8% (n=7)
RT	21.1% (n=27)	50% (n=2)	14.3% (n=3)	9.1% (n=1)	33.3% (n=1)	30% (n=3)	18.8% (n=3)	14.3% (n=1)	14.3% (n=1)	15.4% (n=2)
LF	15.6% (n=20)	0%	9.5% (n=2)	9.1% (n=1)	0%	20% (n=2)	12.5% (n=2)	14.3% (n=1)	0%	0%
LP	3.1% (n=4)	0%	4.8% (n=1)	0%	0%	0%	6.3% (n=1)	0%	14.3% (n=1)	0%
LO	0.8% (n=1)	0%	0%	0%	0%	0%	0%	0%	0%	0%
RF	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
RP	1.6% (n=2)	0%	0%	18.2% (n=2)	0%	0%	0%	14.3% (n=1)	14.3% (n=1)	7.7% (n=1)
RO	0%	0%	0%	9.1% (n=1)	0%	10% (n=1)	6.3% (n=1)	0%	0%	0%
Multiple	8.6% (n=11)	25% (n=1)	0%	18.2% (n=2)	0%	10% (n=1)	6.3% (n=1)	14.3% (n=1)	14.3% (n=1)	7.7% (n=1)
Missing	7.8% (n=10)	0%	19.0% (n=4)	18.2% (n=2)	0%	10% (n=1)	12.5% (n=2)	14.3% (n=1)	28.6% (n=2)	15.4% (n=2)
MRI Type										
Normal	35.9% (n=46)	25% (n=1)	28.6% (n=6)	9.1% (n=1)	66.7% (n=2)	10% (n=1)	25% (n=4)	0%	14.3% (n=1)	30.8% (n=4)
MTS	22.7% (n=29)	0%	14.3% (n=3)	9.1% (n=1)	0%	20% (n=2)	12.5% (n=2)	28.6% (n=2)	14.3% (n=1)	23.1% (n=3)
Lesion	32.8% (n=42)	25% (n=1)	42.9% (n=9)	45.5% (n=5)	0%	40% (n=4)	31.3% (n=5)	42.9% (n=3)	28.6% (n=2)	15.4% (n=2)
Vascular	3.1% (n=4)	25% (n=1)	14.3% (n=3)	18.2% (n=2)	0%	20% (n=2)	18.8% (n=3)	14.3% (n=1)	28.6% (n=2)	30.8% (n=4)
Inflammatory	1.6% (n=2)	25% (n=1)	0%	9.1% (n=1)	0%	0%	0%	0%	0%	0%
Other	2.3% (n=3)	0%	0%	9.1% (n=1)	33.3% (n=1)	10% (n=1)	0%	14.3% (n=1)	0%	0%
Dual Pathology	1.6% (n=2)	0%	0%	0%	0%	0%	12.5% (n=2)	0%	0%	0%
Missing	0%	0%	0%	0%	0%	0%	0%	0%	14.3% (n=1)	0%