

Supplementary Table S1 Association of MMSE categories (normal vs. impaired) with IADL, BADL, and DS (non-depressive vs. depressive)

IADL Item /DS	MMSE category	Independent (%)	Dependent (%)	χ^2	p
Does he/she manage his/her own money?					
Non-depressive	Normal	(95.7)	(4.3)	332.56	0.00*
	Impaired	(63.8)	(36.2)		
Depressive	Normal	(91.2)	(8.8)		
	Impaired	(47.2)	(52.8)		
Can he/she go shopping independently?					
Non-depressive	Normal	(89.1)	(10.9)	280.09	0.00*
	Impaired	(42.9)	(57.1)		
Depressive	Normal	(74.8)	(25.2)		
	Impaired	(32.1)	(67.9)		
Can he/she prepare his/her own meals?					
Non-depressive	Normal	(89.5)	(10.5)	272.15	0.00*
	Impaired	(47.6)	(52.4)		
Depressive	Normal	(81.4)	(18.6)		
	Impaired	(36.8)	(63.2)		
Does he/she take his/her own medications?					
Non-depressive	Normal	(95.4)	(4.6)	335.12	0.00*
	Impaired	(61.9)	(38.1)		
Depressive	Normal	(92.2)	(7.8)		
	Impaired	(49.1)	(50.9)		
Is he/she capable of walking around the neighborhood and returning home without assistance?					
Non-depressive	Normal	(94.2)	(5.8)	353.06	0.00*
	Impaired	(51.4)	(48.6)		
Depressive	Normal	(81.1)	(18.9)		
	Impaired	(35.8)	(64.2)		
Can he/she walk around the room independently?					
Non-depressive	Normal	(98.8)	(1.2)	265.23	0.00*
	Impaired	(78.1)	(21.9)		
Depressive	Normal	(93.6)	(6.4)		
	Impaired	(64.2)	(35.8)		
Can he/she use the telephone?					
Non-depressive	Normal	(98.4)	(1.6)	410.45	0.00*
	Impaired	(63.8)	(36.2)		
Depressive	Normal	(92.9)	(7.1)		
	Impaired	(55.7)	(44.3)		
Can he/she open and close windows?					
Non-depressive	Normal	(99.1)	(0.9)	281.47	0.00*
	Impaired	(81.0)	(19.0)		
Depressive	Normal	(94.6)	(5.4)		
	Impaired	(63.2)	(36.8)		
Can he/she turn the radio and TV on and off?					
Non-depressive	Normal	(99.4)	(0.6)	197.49	0.00*
	Impaired	(85.7)	(14.3)		
Depressive	Normal	(95.6)	(4.4)		
	Impaired	(73.6)	(26.4)		

Can he/she turn the room lights on and off independently?

Non-depressive	Normal	(99.8)	(0.2)	221.09	0.00*
	Impaired	(87.6)	(12.4)		
Depressive	Normal	(97.5)	(2.5)		
	Impaired	(76.4)	(23.6)		

Does he/she handle keys?

Non-depressive	Normal	(97.9)	(2.1)	365.38	0.00*
	Impaired	(68.6)	(31.4)		
Depressive	Normal	(92.2)	(7.8)		
	Impaired	(51.9)	(48.1)		

Can he/she cut his/her own nails?

Non-depressive	Normal	(85.4)	(14.6)	197.34	0.00*
	Impaired	(43.8)	(56.2)		
Depressive	Normal	(66.4)	(33.6)		
	Impaired	(31.1)	(68.9)		

Can he/she do light household chores like washing the dishes?

Non-depressive	Normal	(92.6)	(7.4)	225.01	0.00*
	Impaired	(61.0)	(39.0)		
Depressive	Normal	(85.3)	(14.7)		
	Impaired	(47.2)	(52.8)		

Can he/she do light household chores like washing the floor or walls?

Non-depressive	Normal	(64.4)	(35.6)	121.51	0.00*
	Impaired	(27.6)	(72.4)		
Depressive	Normal	(42.9)	(57.1)		
	Impaired	(11.3)	(88.7)		

BADL Item/DS	MMSE category	Independent (%)	Dependent (%)	χ^2	p
Feeding/Eating				153.24	0.00*
Non-depressive	Normal	(99.4)	(0.6)		
	Impaired	(85.7)	(14.3)		
Depressive	Normal	(96.8)	(3.2)		
	Impaired	(82.1)	(17.9)		
Bathing				233.85	0.00*
Non-depressive	Normal	(98.8)	(1.2)		
	Impaired	(78.1)	(21.9)		
Depressive	Normal	(94.4)	(5.6)		
	Impaired	(69.8)	(30.2)		
Dressing				225.47	0.00*
Non-depressive	Normal	(98.1)	(1.9)		
	Impaired	(74.3)	(25.7)		
Depressive	Normal	(93.9)	(6.1)		
	Impaired	(69.8)	(30.2)		
Grooming				164.35	0.00*
Non-depressive	Normal	(99.4)	(0.6)		
	Impaired	(83.8)	(16.2)		
Depressive	Normal	(97.1)	(2.9)		
	Impaired	(83.0)	(17.0)		
Bowel				95.58	0.00*
Non-depressive	Normal	(99.0)	(1.0)		
	Impaired	(87.6)	(12.4)		
Depressive	Normal	(96.1)	(3.9)		

	Impaired	(84.9)	(15.1)		
Toilet use					
Non-depressive	Normal	(98.4)	(1.6)		
	Impaired	(80.0)	(20.0)		
Depressive	Normal	(94.6)	(5.4)	187.52	0.00*
	Impaired	(72.6)	(27.4)		
Transfer from chair to bed					
Non-depressive	Normal	(97.9)	(2.1)		
	Impaired	(82.9)	(17.1)		
Depressive	Normal	(93.4)	(6.6)	106.98	0.00*
	Impaired	(78.3)	(21.7)		
Walking					
Non-depressive	Normal	(98.0)	(2.0)		
	Impaired	(75.2)	(24.8)		
Depressive	Normal	(91.9)	(8.1)	216.83	0.00*
	Impaired	(66.0)	(34.0)		
Stairs					
Non-depressive	Normal	(95.2)	(4.8)		
	Impaired	(62.9)	(37.1)		
Depressive	Normal	(87.3)	(12.7)	242.25	0.00*
	Impaired	(54.7)	(45.3)		
Bladder					
Non-depressive	Normal	(94.5)	(5.5)		
	Impaired	(71.4)	(28.6)		
Depressive	Normal	(89.0)	(11.0)	118.50	0.00*
	Impaired	(68.9)	(31.1)		

MMSE = Mini-Mental State Examination (normal = $\geq 13/19$, impaired = $\leq 12/19$); IADL = instrumental activities of daily living; BADL = basic activities of daily living; DS = depressive symptoms (non-depressive = $\leq 5/15$, depressive = $\geq 6/15$ Geriatric Depression Scale).

* $p < 0.01$.