http://dx.doi.org/10.1590/1516-4446-2019-0721

Online-only supplementary material

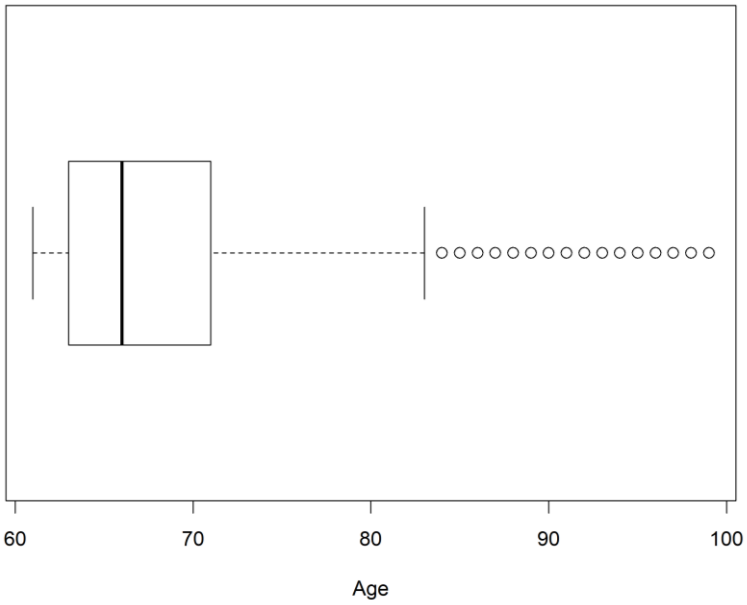


Figure S1 Box plot of patient age

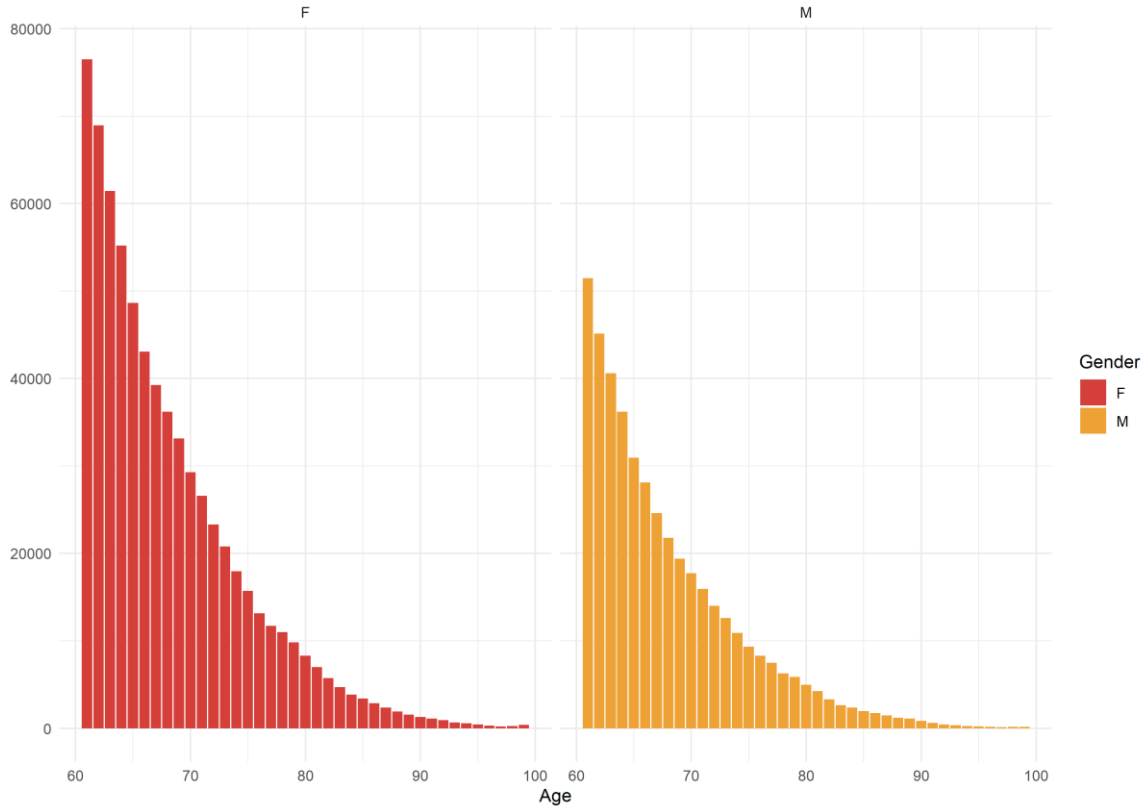


Figure S2 Distribution of visits across ages, stratified by gender

Table S1 Outpatient visits per 100,000 population (according to census data), stratified by region

Category	Central-West	North	Northeast	South	Southeast	Brazil
F00.0 - Dementia in Alzheimer disease with early onset	4.76	22.70	22.85	7.11	3.11	60.53
F00.1 - Dementia in Alzheimer disease with late onset	4.10	3.61	11.15	1.85	2.25	22.96
F00.2 - Dementia in Alzheimer disease, atypical or mixed type	0.61	0.31	1.00	0.30	1.39	3.62
F00.9 - Dementia in Alzheimer disease, unspecified	1.13	2.21	4.77	1.19	1.93	11.22
F01.0 - Vascular dementia of acute onset	0.37	2.96	5.32	1.64	2.22	12.49
F01.1 - Multi-infarct dementia	0.35	0.08	0.96	0.32	0.22	1.92
F01.2 - Subcortical vascular dementia	0.00	0.00	0.19	0.14	0.10	0.43
F01.3 - Mixed cortical and subcortical vascular dementia	0.41	0.02	0.24	0.17	0.15	0.99
F01.8 - Other vascular dementia	0.07	0.23	5.38	0.06	1.69	7.43
F01.9 - Vascular dementia, unspecified	1.18	0.61	5.29	1.97	2.49	11.53
F02.0 - Dementia in Pick disease	0.37	0.19	2.17	0.74	2.31	5.77
F02.1 - Dementia in Creutzfeldt-Jakob disease	0.13	0.12	0.14	0.06	0.10	0.54
F02.2 - Dementia in Huntington disease	0.00	0.00	0.06	0.00	0.11	0.16
F02.3 - Dementia in Parkinson disease	0.51	2.99	2.43	0.41	0.89	7.24
F02.4 - Dementia in human immunodeficiency virus [HIV] disease	0.00	0.00	0.02	0.01	0.01	0.04
F02.8 - Dementia in other specified diseases classified elsewhere	0.20	0.08	2.06	0.74	0.37	3.45
F03 - Unspecified dementia	4.90	24.16	38.58	7.11	7.14	81.89
F32.0 - Mild depressive episode	58.10	145.84	88.50	90.25	30.56	413.24
F32.1 - Moderate depressive episode	76.09	86.08	84.25	63.54	20.25	330.21
F32.2 - Severe depressive episode without psychotic symptoms	25.87	44.14	27.86	29.39	14.07	141.34
F32.3 - Severe depressive episode with psychotic symptoms	12.78	12.86	16.81	14.84	7.71	65.00
F32.8 - Other depressive episodes	2.80	1.31	2.32	1.30	1.15	8.88
F32.9 - Depressive episode, unspecified	11.90	17.22	20.68	15.10	6.60	71.49
F33.0 - Recurrent depressive disorder, current episode mild	25.34	34.41	42.05	57.94	13.93	173.67

F33.1 - Recurrent depressive disorder, current episode moderate	16.51	56.42	42.03	54.21	14.23	183.41
F33.2 - Recurrent depressive disorder, current episode severe without psychotic symptoms	14.02	6.53	17.27	28.27	7.82	73.90
F33.3 - Recurrent depressive disorder, current episode severe with psychotic symptoms	6.59	9.33	19.74	15.36	7.93	58.95
F33.4 - Recurrent depressive disorder, currently in remission	3.04	2.36	3.32	8.12	1.39	18.23
F33.8 - Other recurrent depressive disorders	1.11	2.92	1.59	1.79	0.92	8.32
F33.9 - Recurrent depressive disorder, unspecified	2.34	2.26	11.04	9.79	1.78	27.21

Table S2 Regression model for depressive disorders (ICD-10 F32-F33)

Term	Estimate	Std error	Statistic	p-value
Central-West, Nagelkerke's R^2= 0.04				
(Intercept)	-0.32	0.03	-11.05	0.00
sexM	-0.74	0.02	-34.00	0.00
age(63,66]	-0.01	0.03	-0.27	0.79
age(66,71]	0.22	0.03	8.19	0.00
age(71,99]	0.31	0.03	11.05	0.00
year2009	0.02	0.03	0.56	0.58
year2010	-0.07	0.03	-2.09	0.04
year2011	-0.21	0.03	-6.56	0.00
year2012	-0.25	0.03	-7.54	0.00
North, Nagelkerke's R^2 = 0.01				
(Intercept)	-0.12	0.03	-4.34	0.00
sexM	-0.32	0.02	-16.57	0.00
age(63,66]	-0.08	0.03	-3.31	0.00
age(66,71]	0.02	0.02	0.77	0.44
age(71,99]	-0.12	0.02	-4.85	0.00
year2009	-0.03	0.03	-0.81	0.42
year2010	-0.08	0.03	-2.69	0.01
year2011	-0.14	0.03	-4.63	0.00
year2012	-0.12	0.03	-4.13	0.00
Northeast, Nagelkerke's R2 = 0.02				
(Intercept)	-1.09	0.01	-101.45	0.00
sexM	-0.60	0.01	-75.32	0.00
age(63,66]	0.07	0.01	6.49	0.00
age(66,71]	0.10	0.01	10.18	0.00

age(71,99]	0.07	0.01	7.55	0.00
year2009	-0.01	0.01	-1.10	0.27
year2010	-0.08	0.01	-7.16	0.00
year2011	-0.12	0.01	-10.75	0.00
year2012	-0.10	0.01	-9.01	0.00
Southeast, Nagelkerke's R2 = 0.06				
(Intercept)	-7.62	26.66	-0.29	0.78
sexM	-1.14	0.01	-111.50	0.00
age(63,66]	0.04	0.01	2.88	0.00
age(66,71]	0.05	0.01	4.35	0.00
age(71,99]	0.10	0.01	7.90	0.00
year2008	6.24	26.66	0.23	0.81
year2009	6.29	26.66	0.24	0.81
year2010	6.35	26.66	0.24	0.81
year2011	6.26	26.66	0.23	0.81
year2012	6.24	26.66	0.23	0.81
South, Nagelkerke's R2 = 0.08				
(Intercept)	-0.16	0.01	-10.89	0.00
sexM	-1.05	0.01	-92.91	0.00
age(63,66]	-0.02	0.01	-1.75	0.08
age(66,71]	0.13	0.01	9.69	0.00
age(71,99]	0.27	0.01	17.84	0.00
year2009	-0.02	0.02	-1.13	0.26
year2010	0.01	0.02	0.72	0.47
year2011	-0.02	0.02	-1.26	0.21
year2012	-0.02	0.02	-1.06	0.29

Table S3 Regression model for dementias (ICD-10 F00.0-F03)

Term	Estimate	Std error	Statistic	p-value
Central-West, Nagelkerke's R^2= 0.03				
(Intercept)	-3.23	0.07	-48.63	0.00
sexM	0.25	0.05	5.53	0.00
age(63,66]	-0.27	0.07	-3.94	0.00
age(66,71]	-0.21	0.07	-3.06	0.00
age(71,99]	0.78	0.05	14.25	0.00
year2009	-0.19	0.08	-2.45	0.01
year2010	0.08	0.07	1.03	0.30
year2011	0.20	0.07	2.86	0.00
year2012	0.11	0.07	1.51	0.13
North, Nagelkerke's R2 = 0.05				
(Intercept)	-2.96	0.05	-54.94	0.00
sexM	0.27	0.03	8.92	0.00

age(63,66]	0.30	0.05	5.69	0.00
age(66,71]	0.64	0.05	13.47	0.00
age(71,99]	1.19	0.04	27.63	0.00
year2009	0.13	0.05	2.54	0.01
year2010	0.10	0.05	1.90	0.06
year2011	0.10	0.05	1.91	0.06
year2012	-0.39	0.05	-7.20	0.00
Northeast, Nagelkerke's R2 = 0.09				
(Intercept)	-3.11	0.02	-171.57	0.00
sexM	0.43	0.01	40.25	0.00
age(63,66]	0.18	0.02	9.19	0.00
age(66,71]	0.48	0.02	26.59	0.00
age(71,99]	1.56	0.02	101.96	0.00
year2009	-0.09	0.02	-5.23	0.00
year2010	-0.18	0.02	-10.45	0.00
year2011	-0.16	0.02	-9.72	0.00
year2012	-0.25	0.02	-14.64	0.00
Southeast, Nagelkerke's R2 = 0.03				
(Intercept)	-7.86	26.66	-0.29	0.77
sexM	0.22	0.01	16.69	0.00
age(63,66]	0.18	0.02	9.16	0.00
age(66,71]	0.29	0.02	15.03	0.00
age(71,99]	0.99	0.02	57.71	0.00
year2008	4.81	26.66	0.18	0.86
year2009	4.56	26.66	0.17	0.86
year2010	4.61	26.66	0.17	0.86
year2011	4.73	26.66	0.18	0.86
year2012	4.82	26.66	0.18	0.86
South, Nagelkerke's R2 = 0.05				
(Intercept)	-3.45	0.04	-96.39	0.00
sexM	0.50	0.02	20.46	0.00
age(63,66]	0.14	0.04	3.61	0.00
age(66,71]	0.50	0.04	14.03	0.00
age(71,99]	1.31	0.03	39.89	0.00
year2009	-0.24	0.04	-6.61	0.00
year2010	-0.37	0.04	-10.02	0.00
year2011	-0.54	0.04	-15.02	0.00
year2012	-0.74	0.04	-17.56	0.00