

1
2 **Supplementary Table 1a: Potential fall risk factors, Model 1 (day 0)**

Risk factors	Mean (SD)	Frequency (number)	% of total	OR	95% C.I. OR		p-value
					Upper	Lower	
Age (y)	82.43 (8.46)	-	-	1.044	1.026	1.063	.000 *
Age(y) centred	0.03 (8.46)	-	-	1.035	1.015	1.055	.001 *
Age(y) centred ²	71.57 (147.93)	-	-	.998	.996	.999	.008 *
Gender	-	252 <i>M</i> , 572 <i>F</i>	30.58 <i>M</i> , 69.42 <i>F</i>	.561	.415	.758	.000 *
ATC unique	8.49 (3.91)	-	-	1.035	.999	1.072	.059
ATC unique≥5		697	84.59	1.183	.810	1.729	.385
ATC unique 0-5		127	15.41	.845	.578	1.235	.385
ATC unique 5- 10		399	48.42	.864	.657	1.136	.296
ATC unique 10-15		226	27.43	1.103	.811	1.499	.531
ATC unique ≥15		72	8.74	1.640	1.000	2.690	.050 *
N06D		97	11.77	6.057	3.474	10.558	.000 *
C01		160	19.42	1.168	.827	1.651	.379
N04A		1	.12	NA	NA	NA	NA
N06A		253	30.70	1.394	1.035	1.878	.029 *
N03A		75	9.10	.499	.304	.820	.006 *
R06A		32	3.88	1.139	.561	2.313	.719
N05A		304	36.89	2.144	1.605	2.863	.000 *
C07		199	24.15	.864	.628	1.190	.370
S01ED		24	2.91	1.414	0.621	3.222	0.409
N05C		280	33.98	1.417	1.060	1.894	.019 *
G04		104	12.62	1.635	1.074	2.489	.022 *
C08		80	9.71	.895	.564	1.420	.638
C03		281	34.10	1.177	.881	1.571	.270
M03		7	.85	.000	.000	NA	0.999
C04AC		0	.00	NA	NA	NA	NA
C01C		2	.24	1.000	.062	16.055	1.000
N02A		101	12.26	.589	.385	.903	.015 *
A02B		318	38.59	.866	.654	1.147	.316
C09		211	25.61	1.039	.760	1.421	.811
N07C		20	2.43	1.000	.411	2.435	1.000
N02B		395	47.94	1.030	.783	1.355	.834
N07AA		3	.36	.498	.045	5.524	.571
A10		146	17.72	1.106	.772	1.582	.583
C02		6	.73	1.000	.200	4.988	1.000
M01A		54	6.55	1.083	.623	1.882	.778
N07C		20	2.43	1.000	.411	2.435	1.000
N05B		231	28.03	1.352	.996	1.835	.053 *
C10		176	21.36	1.060	.759	1.479	.734
R01BA		0	.00	NA	NA	NA	NA
C01A		69	8.37	1.100	.671	1.804	.705
C01B		8	.97	1.000	.248	4.030	1.000
C01D		98	11.89	1.149	.753	1.754	.519
N04		37	4.49	.945	.488	1.828	.866
N06DA		41	4.98	5.217	2.284	11.917	.000 *
G04CA		75	9.10	1.768	1.083	2.885	.023 *

3* statistically significant (p-value < 0.05)

4NA = not available; SD = standard deviation; OR = Odds Ratio; C.I.= confidence interval; M = male, F = female

5

6

7 Supplementary Table 1b: Potential fall risk factors, Model II (day -3)

Risk factors	Mean (SD)	Frequency (number)	% of total	OR	95% C.I. OR		p-value
					Upper	Lower	
Age (y)	82.47 (8.39)	-	-	1.043	1.025	1.062	.000 *
Age(y) centred	0.00 (8.39)	-	-	1.033	1.014	1.054	.001 *
Age(y) centred ²	70.35 (143.45)	-	-	.998	.996	.999	.007 *
Gender	-	246 M, 570 F	30.15% M, 69.85% F	.546	.403	.740	.000 *
ATC unique	8.46 (3.90)	-	-	1.029	.993	1.066	.115
ATC unique \geq 5		690	84.56	1.044	.714	1.527	.824
ATC unique 0-5		126	15.44	.958	.655	1.401	.824
ATC unique 5- 10		401	49.14	.872	.662	1.147	.328
ATC unique 10-15		221	27.08	1.057	.776	1.439	.726
ATC unique \geq 15		68	8.33	1.467	.887	2.428	.136
N06D		97	11.89	6.553	3.707	11.584	.000 *
C01		161	19.73	1.216	.861	1.718	.268
N04A		1	.12	NA	NA	NA	NA
N06A		253	31.00	1.386	1.028	1.868	.032 *
N03A		75	9.19	.529	.323	.866	.011 *
R06A		32	3.92	1.133	.558	2.301	.729
N05A		304	37.25	2.044	1.530	2.730	.000 *
C07		199	24.39	.858	.623	1.182	.350
S01ED		24	2.94	1.408	.618	3.208	.416
N05C		277	33.95	1.365	1.020	1.828	.036 *
G04		104	12.75	1.554	1.022	2.362	.039 *
C08		81	9.93	.916	.579	1.450	.708
C03		278	34.07	1.132	.847	1.512	.404
M03		7	.86	.000	.000	NA	.999
C04AC		0	.00	NA	NA	NA	NA
C01C		2	.25	.994	.062	15.954	.996
N02A		95	11.64	.568	.366	.883	.012 *
A02B		314	38.48	.840	.634	1.115	.228
C09		211	25.86	1.059	.774	1.449	.720
N07C		19	2.33	1.107	.444	2.764	.827
N02B		384	47.06	.933	.709	1.229	.624
N07AA		3	.37	.495	.045	5.489	.567
A10		143	17.52	1.119	.779	1.608	.541
C02		6	.74	.994	.199	4.958	.994
M01A		53	6.50	.955	.547	1.667	.871
N07C		19	2.33	1.107	.444	2.764	.827
N05B		229	28.06	1.380	1.015	1.877	.040 *
C10		179	21.94	1.037	.745	1.446	.828
R01BA		0	.00	NA	NA	NA	NA
C01A		68	8.33	1.133	.688	1.865	.625
C01B		8	.98	.994	.247	4.006	.993
C01D		100	12.25	1.194	.784	1.816	.409
N04		37	4.53	.940	.486	1.818	.853
N06DA		40	4.90	6.071	2.519	14.628	.000 *
G04CA		75	9.19	1.653	1.015	2.689	.043 *

8* statistically significant (p-value < 0.05)

9NA = not available; SD = standard deviation; OR = Odds Ratio; C.I.= confidence interval; M = male, F = female

10 Supplementary Table 1c: Potential fall risk factors, Model III (day -5)

Risk factors	Mean (SD)	Frequency (number)	% of total	OR	95% C.I. OR		p-value
					Upper	Lower	
Age (y)	82.52 (8.36)	-	-	1.042	1.024	1.061	.000 *
Age(y) centred	0.00 (8.36)	-	-	1.033	1.013	1.053	.001 *
Age(y) centred ²	69.75 (143.05)	-	-	.998	.996	.999	.010 *
Gender	-	243 M, 569 F	29.93 M, 70.07 F	.536	.395	.728	.000 *
ATC unique	8.44 (3.93)	-	-	1.023	.987	1.059	.214
ATC unique ≥5		684	84.24	1.083	.742	1.581	.679
ATC unique 0-5		128	15.76	.923	.633	1.348	.679
ATC unique 5- 10		395	48.65	.906	.688	1.194	.484
ATC unique 10-15		223	27.46	1.083	.796	1.474	.613
ATC unique ≥15		66	8.13	1.296	.781	2.152	.316
N06D		94	11.58	6.833	3.801	12.285	.000 *
C01		160	19.70	1.198	.847	1.695	.306
N04A		1	.12	NA	NA	NA	NA
N06A		251	30.91	1.357	1.006	1.830	.045 *
N03A		74	9.11	.541	.330	.888	.015 *
R06A		30	3.69	.995	.480	2.063	.989
N05A		298	36.70	1.973	1.475	2.639	.000 *
C07		196	24.14	.868	.629	1.198	.391
S01ED		24	2.96	1.408	.618	3.208	.416
N05C		273	33.62	1.400	1.045	1.878	.024 *
G04		103	12.68	1.457	.958	2.215	.078
C08		78	9.61	.940	.589	1.499	.794
C03		277	34.11	1.120	.837	1.498	.446
M03		7	.86	.000	.000	NA	.999
C04AC		0	.00	NA	NA	NA	NA
C01C		2	.25	.994	.062	15.955	.996
N02A		91	11.21	.586	.374	.916	.019 *
A02B		312	38.42	.840	.633	1.114	.226
C09		209	25.74	1.060	.773	1.451	.719
N07C		19	2.34	1.107	.444	2.764	.827
N02B		383	47.17	.905	.687	1.194	.481
N07AA		3	.37	.495	.045	5.489	.567
A10		140	17.24	1.065	.739	1.534	.736
C02		6	.74	.994	.199	4.959	.994
M01A		54	6.65	.918	.528	1.597	.761
N07C		19	2.34	1.107	.444	2.764	.827
N05B		228	28.08	1.332	.980	1.812	.067
C10		175	21.55	1.038	.743	1.451	.826
R01BA		0	.00	NA	NA	NA	NA
C01A		68	8.37	1.133	.688	1.865	.625
C01B		8	.99	.994	.247	4.006	.993
C01D		99	12.19	1.168	.766	1.781	.469
N04		37	4.56	.940	.486	1.818	.853
N06DA		39	4.80	7.307	2.827	18.885	.000 *
G04CA		75	9.24	1.555	.958	2.524	.074

11 * statistically significant (p-value < 0.05)

12 NA = not available; SD = standard deviation; OR = Odds Ratio; C.I. = confidence interval; M = male, F = female

13

14