		No. of	l ≥ 65 years* No. of	% with		Hip Fracture	
ategory/Variable/Value		Person-Exams	Hip Fractures	Fracture	HR	95% CI	p-Value
nthropometry	SE 744 5 1)	005	9	4.007			
Age	65-74 (referent) ≥ 75 to 79	935 1904	26	1.0% 1.4%	1.4	0.7-3.0	0.357
	≥ 80 to 84	1978	47	2.4%	2.5	1.2-5.2	0.011
Weight (kg)	≥ 85	1923 5055	68 123	3.5% 2.4%	3.8 1.6	1.9-7.6 1.1-2.5	<0.001 0.024
weight (kg)	>63 (referent)	1712	26	1.5%		1.1-2.5	0.024
one Density Total Hip T-Score	≤ -3.5	1277	52	4.1%	3.0	2.1-4.5	<0.001
Total hip 1-score	> -3.5 to -3.0	1967	50	2.5%	1.9	1.3-2.8	0.002
penitive Function	> -3.0 to -2.5 (referent)	3567	49	1.4%			
Mini-Mental State Examination (MMSE)	≤ 23	2208	75	3.4%	2.1	1.5-2.9	<0.001
codision (codision)	>23 (referent)	4593	76	1.7%			
emorbid Conditions (vs. referent: without conditions) Alzheimer's Disease	Yes	298	15	5.0%	2.9	1.7-4.9	< 0.001
	No (referent)	6233	123	2.0%			
Hypertension	Yes No (referent)	2770 3574	63 75	2.3%	1.1	08-1.5	0.560
Parkinson's Disease	Yes	114	5	4.4%	2.1	0.9-5.2	0.099
	No (referent)	6697	146	2.2%			
Stroke	Yes No (referent)	736 6075	24 127	3.3% 2.1%	1.6	1.0-2.5	0.036
Parkinson's or Stroke	Yes	837	29	3.5%	1.7	1.2-2.6	0.007
ug Use	No (referent)	5974	122	2.0%			
Anticonvulsant	Yes	185	7	3.8%	1.9	0.9-4.1	0.089
	No (referent)	6057	121	2.0%		0211	
Bisphosphonate	Yes No (referent)	507 5735	5 123	1.0% 2.1%	0.5	0.2-1.1	0.086
ССВ	Yes	1092	24	2.2%	1.1	0.7-1.7	0.720
Ertzagan	No (referent)	5150	104	2.0%		0516	0.641
Estrogen	Yes No (referent)	359 5583	12 116	3.3% 2.1%	0.9	0.5-1.6	0.641
Nitrate	Yes	474	15	3.2%	1.7	1.0-2.8	0.067
NSAID	No (referent) Yes	5768 1014	113 13	2.0% 1.3%	0.6	0.3-1.0	0.059
NSAID	No (referent)	5228	115	2.2%		0.5-1.0	0.039
SSRI	Yes	296	7	2.4%	1.2	0.6-2.6	0.241
acture and Fall History	No (referent)	5946	121	2.0%			
No. of Falls in Last 12 Months	0 (referent)	4365	79	1.8%			
	1	1343	32	2.4%	1.3	0.9-2.0	0.178
Prior Fracture (after age 50 years)	≥ 2	1068	37	3.5%	2.0	1.4-3.0	<0.001
, , , , , , , , , , , , , , , , , , , ,	Family History Hip Fx	1442	43	3.0%	1.5	1.1-2.1	0.026
	Non Markebard For	5168	103	2.0%			
	Non-Vertebral Fx	4524 2270	114 37	2.5% 1.6%	1.6	1.1-2.3	0.015
	Hip Fx	905	30	3.3%	1.7	1.1-2.5	0.011
		5894	121	2.1%			
	Vertebral Fx	1241 5570	40 111	3.2% 2.0%	1.7	1.2-2.4	0.006
	Any Fx	4619	115	2.5%	1.5	1.1-2.3	0.022
estyle		2192	36	1.6%			
Physical Activity in Past Week	None (referent)	2210	61	2.8%			
	Any	4596	90	2.0%	0.7	0.5-1.0	0.032
Physical Activity, No. Flights Up Stairs/Day	≤ 3 >3 (referent)	3711 3100	100 51	2.7% 1.6%	1.7	1.2-2.3	0.003
Physical Activity, Hours on Feet/Day	≤4	1164	39	3.4%	1.7	1.2-2.5	0.003
	>4 (referent)	5646	112	2.0%			
Number of Drinks/Week in Past 30 Days	0 1 to 6	4228 2190	104 43	2.5%	2.0 2.5	0.7-5.5 0.9-6.8	0.198 0.072
	≥7 (referent)	393	4	1.0%		0.5-0.6	0.072
Smoker, Pack Years (continuous measure)					1.0	1.0-1.0	0.159
her Medical Conditions Weakness/Paralysis Left/Right Leg	Yes	538	20	3.7%	1.9	1.2-3.0	0.010
Weakiessyr araiysis cert/ night Leg	No (referent)	6103	125	2.0%		1.2-5.0	0.010
Hip/Knee/Ankle Joint Pain	Yes	2823	73	2.6%	1.4	1.0-1.9	0.050
Leg/Ankle Swelling	No (referent) Yes	3818 1419	72 42	1.9% 3.0%	1.5	1.1-2.2	0.022
	No (referent)	5223	103	2.0%			
Weak Arms/Hands	Yes	2031	55	2.7%	1.4	1.0-2.0	0.047
ysical Function	No (referent)	4610	90	2.0%			
No. of IADL Impairments**	0 (referent)	3415	56	1.6%			
	1 to 3	2376	55	2.3%	1.4	1.0-2.1	0.056
Total Difficulty with 5 IADL***	≥ 4	1020 6811	40 151	3.9% 2.2%	2.6 1.1	1.7-3.9 1.0-1.1	<0.001 <0.001
Degree of Difficulty Walking 2-3 Blocks	None (referent)	4628	85	1.8%			
	Some Much	623 407	18 11	2.9%	1.6 1.5	1.0-2.7 0.8-2.8	0.067 0.194
	Unable	1153	37	3.2%	1.5	1.3-2.7	0.194
ysical Performance							
Use of Arms to Stand Up	Yes No (referent)	1286 5525	47 104	3.7% 1.9%	2.0	1.4-2.8	<0.001
Use of Arms to Stand Up 5 Times (always, partial, none)	None (referent)	5941	116	2.0%			
	Partial	95	6	6.3%	3.4	1.5-7.7	0.004
Ability to Do Tandem Stand with Eyes Open	Always Very poor	770 75	29 4	3.8% 5.3%	2.0 4.4	1.3-3.0 1.6-12.4	<0.001 0.005
	Poor	734	36	4.9%	4.4	2.6-6.4	< 0.005
	Fair	2774	70	2.5%	2.0	1.4-3.0	< 0.001
Use of Arms for Chair Stands or Poor/Very Poor Tandem Stand	Good (referent) Yes	3225 1754	41 70	1.3% 4.0%	2.6	1.9-3.6	<0.001
. ,	No (referent)	5057	81	1.6%		1.3-5.0	
Average Right/Left Grip Strength (kg)					1.0	0.9-1.0	0.006
Maximum Right/Left Grip Strength (kg) Walking Speed (m/s)	>1.0 (referent)	 1975	17	0.9%	1.0	0.9-1.0	0.005
Walking Speed (m/s)	>1.0 (referent) ≤ 0.70	1635	59	3.6%	4.4	2.6-7.6	<0.001
	0.70 to 1.0	3201	75	2.3%	2.8	1.6-4.7	<0.001
sual Function Lens Implant	Yes	1848	50	2.7%	1.3	1.0-1.9	0.091
cora impratti	No (referent)	4963	101	2.0%	1.5	1.0-1.5	0.051
Average Contrast Sensitivity Score	≤40	2499	78	3.1%	1.9	1.4-2.6	< 0.001
	>40 (referent)	4247	71	1.7%			

^{*}Only results for risk factors with p-value <0.1 for ≥1 level are reported

*No. of IADL impairments (out of 5), with any difficulty, including walking 2-3 blocks, climbing up 10 steps, preparing meal, heavy housework, shopping

***Total difficulty with IADL impairments (0=no difficulty, 3=maximum difficulty)

	for 1-year non-vertbral fracture	No. of	No. of Non- Vertebral	% with		Non-Vertebral Fracture	
ategory/Variable/Value		Person-Exams	Fractures	Fracture	HR	95% CI	p-Value
inthropometry Age	65-74 (referent)	935	46	4.9			
Age:	≥ 75 to 79	1,904	101	5.3	1.1	0.8 - 1.5	0.648
	≥ 80 to 84	1,978	125	6.3	1.3	0.9 - 1.8	0.114
Weight (kg)	≥ 85 ≤ 63	1,985 5,055	179 337	9.0 6.7	2.0 1.1	1.4 - 2.7 0.9 - 1.3	<0.001 0.595
	>63 (referent)	1,712	109	6.4		0.5 - 1.5	0.555
one Density	≤-3.5	1,277	131	10.3	2.2	1.7 - 2.8	<0.001
Total Hip T-Score	> -3.5 to -3.0	1,967	147	7.5	1.6	1.3 - 1.9	<0.001
	> -3.0 to -2.5 (referent)	3,567	174	4.9			
ognitive Function Mini-Mental State Examination (MMSE)	≤ 23	2,208	166	7.5	1.2	1.0 - 1.5	0.033
	>23 (referent)	4,593	285	6.2		1.0 - 1.5	0.033
omorbid Conditions (vs. referent: without conditions)	W	200	24			00.24	0.440
Alzheimer's Disease	Yes No (referent)	298 6,233	24 400	8.1 6.4	1.4	0.9 - 2.1	0.110
Hypertension	Yes	2,770	200	7.2	1.2	1.0 - 1.5	0.053
Parkinson's Disease	No (referent) Yes	3,574 114	219 15	6.1 13.2	2.2	1.3 - 3.7	0.003
Parkinson s Disease	No (referent)	6,697	437	6.5		1.5 - 5.7	0.003
Stroke	Yes	736	67	9.1	1.5	1.1 - 1.9	0.003
Parkinson's or Stroke	No (referent) Yes	6,075 837	385 79	6.3 9.4	1.6	1.2 - 2.0	<0.001
Tarkinson's or salake	No (referent)	5,974	373	6.2			
ug Use	V	405	45	0.4	4.3	00.22	0.220
Anticonvulsant	Yes No (referent)	185 6,057	15 390	8.1 6.4	1.3	0.8 - 2.2	0.330
Bisphosphonate	Yes	507	36	7.1	1.1	0.8 - 1.6	0.553
CCD	No (referent)	5,735	369	6.4		10.15	
CCB	Yes No (referent)	1,092 5,150	85 320	7.8 6.2	1.3	1.0 - 1.6	0.054
Estrogen	Yes	659	33	5.0	0.7	0.5 - 1.1	0.096
Nitrate	No (referent)	5,583 474	372 34	6.7 7.2	1.1	0.8 - 1.6	0.469
Milate	Yes No (referent)	474 5,768	34 371	7.2 6.4	1.1	U.o - 1.0 	0.469
NSAID	Yes	1,014	61	6.0	0.9	0.7 - 1.2	0.481
SSRI	No (referent) Yes	5,228 296	344 26	6.6 8.8	1.5	1.0 - 2.2	0.065
3311	No (referent)	5,946	379	6.4		1.0 - 2.2	0.003
acture and Fall History							
No. of Falls in Last 12 Months	0 (referent) 1	4,365 1,343	247 96	5.7 7.1	1.3	1.0 - 1.6	0.040
	≥2	1,068	104	9.7	1.8	1.5 - 2.3	<0.001
Prior Fracture (after age 50 years)	5	4.442	442	7.0	4.3	1.0 - 1.6	0.000
	Family History Hip Fx After 50	1,442 5,168	113 326	7.8 6.3	1.3	1.0 - 1.6	0.039
	Non-Vertebral Fracture	4,524	336	7.4	1.5	1.2 - 1.9	<0.001
	100	2,270	116	5.1			
	Hip	905 5,894	80 372	8.8 6.3	1.5	1.2 - 1.9	0.002
	Vertebral	1,241	108	8.7	1.5	1.2 - 1.8	< 0.001
	A	5,570	344	6.2			
	Any Site	4,616 2,195	344 108	7.5 4.9	1.6	1.3 - 1.9	<0.001
estyle							
Physical Activity in Past Week	None Any (referent)	2,210 4,596	158 294	7.1 6.4	1.1	0.9 - 1.4	0.212
Physical Activity, No. Flights Up Stairs/Day	≤3	3,711	264	7.1	1.2	1.0 - 1.4	0.059
	>3 (referent)	3,100	188	6.1			
Physical Activity, Hours on Feet/Day	≤4 >4 (referent)	1,164 5,646	98 354	8.4 6.3	1.4	1.1 - 1.7	0.003
Number of Drinks/Week in Past 30 Days	0	4,228	286	6.8	1.2	0.8 - 1.8	0.399
	1 to 6	2,190	143	6.5	1.1	0.7 - 1.8	0.569
Smoker, Pack Years (continuous measure)	≥7 (referent)	393	23	5.9	1.0	1.0 - 1.0	0.027
her Medical Conditions							
Weakness/Paralysis Left/Right Leg	Yes	538	41	7.6	1.2	0.9 - 1.7	0.264
Hip/Knee/Ankle Joint Pain	No (referent) Yes	6,103 2,823	397 199	6.5 7.0	1.1	0.9 - 1.4	0.176
They kneed white some rain	No (referent)	3,818	239	6.3		0.5 - 1.4	
Leg/Ankle Swelling	Yes	1,419	111	7.8	1.3	1.0 - 1.6	0.033
Weak Arms/Hands	No (referent) Yes	5,223 2,031	327 128	6.3 6.3	0.9	0.8 - 1.2	0.569
	No (referent)	4,610	310	6.7			
ysical Function	0 (2.445	101	F. C			
No. of IADL Impairments**	0 (referent) 1 to 3	3,415 2,376	191 162	5.6 6.8	1.2	1.0 - 1.5	0.042
	≥4	1,020	99	9.7	1.9	1.5 - 2.4	< 0.001
Total Difficulty with 5 IADL***	None (ft)	6,811	0	0.0	1.1	1.0 - 1.1	<0.001
Degree of Difficulty Walking 2-3 Blocks	None (referent) Some	4,628 623	277 45	6.0 7.2	1.2	0.9 - 1.7	0.186
	Much	407	33	8.1	1.4	1.0 - 2.0	0.062
ysical Performance	Unable	1,153	97	8.4	1.5	1.2 - 1.9	<0.001
Use of Arms to Stand Up	Yes	1,286	116	9.0	1.5	1.2 - 1.9	<0.001
Use of Arms to Stand Up 5 Times (always, partial, none)	No (referent)	5,525	336	6.1			
	None (referent) Partial	5,941 95	370 9	6.2 9.5	1.6	0.8 - 3.1	0.177
Ability to Do Tandem Stand with Eyes Open	Always	770	73	9.5	1.6	1.2 - 2.0	<0.001
	Very poor	75	5	6.7	1.3	0.5 - 3.1	0.597
	Poor Fair	734 2,774	72 198	9.8 7.1	1.9 1.3	1.4 - 2.5 1.1 - 1.6	<0.001 0.006
	Good (referent)	3,225	177	5.5			
Use of Arms for Chair Stands or Poor/Very Poor Tandem Stand	Yes	1,754	159	9.1	1.6	1.3 - 2.0	<0.001
Average Right/Left Grip Strength (kg)	No (referent)	5,057	293	5.8	1.0	1.0 - 1.0	0.003
Maximum Right/Left Grip Strength (kg)					1.0	1.0 - 1.0	0.007
Walking Speed (m/s)	>1.0 (referent)	1,635	145	8.9	2.2	1.7 - 2.9	<0.001
	≤ 0.70 0.70 to 1.0	3,201 1,975	222 85	6.9 4.3	1.6	1.3 - 2.1	<0.001
sual Function	3.73 to 1.0			5		-	
Lens Implant	Yes	1,848	143	7.7	1.3	1.0 - 1.5	0.023
Average Contrast Sensitivity Score	No (referent) ≤40	4,963 2,499	309 197	6.2 7.9	1.4	1.1 - 1.7	<0.001
÷	>40 (referent)	4,247	249	5.9			

^{*}Only results for risk factors with p-value <0.1 for ≥1 level are reported

**No. of IADL impairments (out of 5), with any difficulty, including walking 2-3 blocks, climbing up 10 steps, preparing meal, heavy housework, shopping

***Total difficulty with IADL impairments (0=no difficulty, 3=maximum difficulty)

