

Table 3

Chi-Square Tests of Independence for Falls

Variables	χ^2	<i>p</i>	Odds Ratio (95% CI)
Priority measures			
Age category (85 years and older; 64–85 years)	25.69	<.00*****	0.36 (0.24–0.54)
Gender (female; male)	7.85	.01*	0.58 (0.39–0.85)
Gait/balance impairment	31.47	<.00*****	3.71 (2.27–6.04)
Vision impairment	12.70	.00***	2.12 (1.39–3.24)
Hearing impairment	6.28	.01*	1.73 (1.12–2.67)
Parkinson's disease	0.017	.90	1.10 (0.27–4.57)
Dizziness/vertigo	15.57	<.00*****	2.15 (1.46–3.18)
Cognitive impairment	7.98	.00*	2.66 (1.31–5.38)
Walking aid	3.25	.07	5.75 (0.67–49.56)
Sedative medication	5.61	.02*	1.86 (1.10–3.15)
Antiepileptic medication	4.69	.03*	0.63 (0.41–0.96)
Antihypertension medication	8.92	.00**	1.69 (1.19–2.40)
Polypharmacy	11.88	.00***	3.84 (1.69–8.76)
Fear of falling	0.035	.85	0.00
Extended measures			
Race (nonwhite; white)	0.54	.46	0.69 (0.25–1.88)
Ethnicity (Hispanic; non-Hispanic)	0.95	.33	0.00
Insurance source (public; private)	0.55	.46	1.16 (0.78–1.71)
Hypertension	8.61	.00**	1.93 (1.24–3.02)
Diabetes type 2	5.04	.02*	1.50 (1.05–2.14)
Osteoporosis	18.31	<.00*****	2.32 (1.56–3.46)
Hypotension	5.351	.02*	2.03 (1.10–3.74)
Dementia	38.22	<.00*****	4.31 (2.61–7.12)
Diabetes type 1	5.39	.02*	2.25 (1.11–4.52)
Rheumatoid arthritis	8.52	.00**	2.74 (1.35–5.55)
Diabetic neuropathy	0.60	.44	1.43 (0.57–3.57)
Epilepsy	12.63	.00***	3.38 (1.66–6.88)
Muscle weakness	11.81	.00***	3.25 (1.60–6.62)
Diabetic retinopathy	0.06	.81	1.19 (0.29–4.96)
Fall assessment	361.18	<.00*****	129.78 (42.73–394.18)
Fall guidance	0.07	.79	0

Note: $N = 3,933$ and $df = 1$ for all measures except ethnicity, for which $N = 3,926$ and $df = 1$.

* $p < .05$, ** $p < .01$, *** $p < .001$, **** $p < .0001$.