

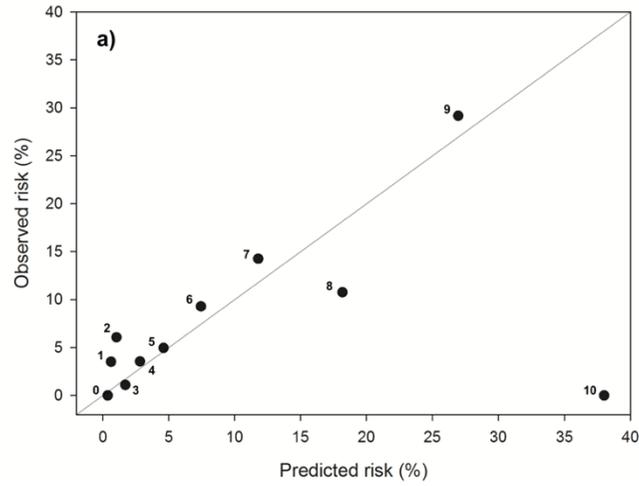
Supplementary Table 1. Observed outcomes vs NHFS (with 95% confidence intervals).

NHFS	% dead at 30-days		% in own home at 30-days		% dead at 120-days		% in own home at 120-days	
	<i>n/N</i>	% (95% CI)	<i>n/N</i>	% (95% CI)	<i>n/N</i>	% (95% CI)	<i>n/N</i>	% (95% CI)
0	0/60	0.0% (0.0 to 6.0%)	60/60	100.0% (94.0 to 100.0%)	1/30	3.3% (0.1 to 17.2%)	28/30	93.3% (77.9 to 99.2%)
1	2/57	3.5% (0.04 to 12.1%)	40/57	70.2% (56.6 to 81.6%)	2/24	8.3% (1.0 to 27.0%)	21/24	87.5% (67.6 to 97.3%)
2	2/33	6.0% (0.7 to 20.2%)	22/33	66.7% (48.2 to 82.0%)	4/11	36.4% (10.9 to 69.2%)	5/11	45.5% (16.7 to 76.6%)
3	4/369	1.1% (0.3 to 2.8%)	282/369	76.4% (71.8 to 80.7%)	6/160	3.8% (1.4 to 8.0%)	139/160	86.9% (80.6 to 91.7%)
4	26/735	3.5% (2.3 to 5.1%)	447/735	60.8% (57.2 to 64.4%)	39/329	11.9% (8.6 to 15.8%)	250/329	76.0% (71.0 to 80.5%)
5	38/767	5.0% (3.5 to 6.7%)	310/767	40.4% (36.9 to 44.0%)	57/376	15.2% (11.7 to 19.2%)	211/376	56.1% (50.9 to 61.2%)
6	54/582	9.3% (7.0 to 11.9%)	118/582	20.3% (17.1 to 23.8%)	77/306	25.2% (20.4 to 30.4%)	86/306	28.1% (23.1 to 33.5%)
7	51/358	14.2% (10.8 to 18.3%)	41/358	11.5% (8.3 to 15.2%)	66/205	32.2% (25.9 to 39.1%)	35/205	17.1% (12.2 to 22.9%)
8	10/93	10.8% (5.3 to 18.9%)	7/93	7.5% (3.1 to 14.9%)	17/47	36.2% (22.7 to 51.5%)	2/47	4.3% (0.5 to 14.5%)
9	7/24	29.1% (12.6 to 51.1%)	3/24	12.5% (2.7 to 32.4%)	7/13	53.8% (25.1 to 80.8%)	0/13	0.0% (0.0 to 24.7%)

10	0/5	0.0% (0.0 to 52.2%)	0/5	0.0% (0.0 to 52.2%)	2/2	100.0% (15.8 to 100.0%)	0/2	0.0% (0.0 to 84.2%)
Total	194/3083	6.3% (5.5 to 7.2%)	1330/3083	43.1% (41.4 to 44.9%)	278/1503	18.5% (16.6 to 20.6%)	777/1503	51.7% (49.1 to 54.3%)

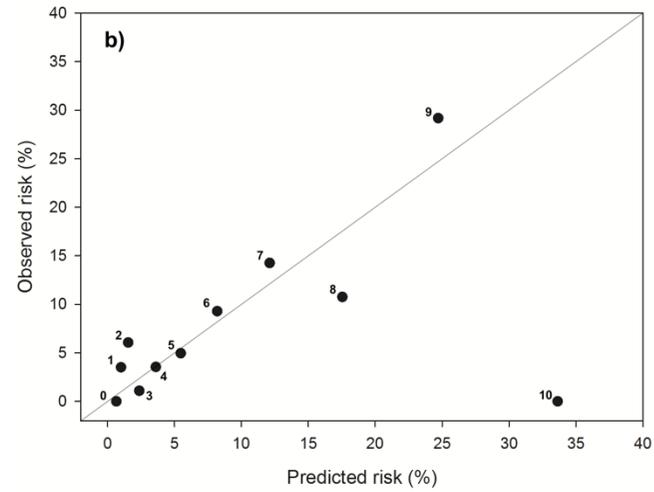
Supplementary Figure 1. Observed versus predicted risk of 30-day mortality

Observed 30-day mortality vs 30-day mortality predicted by the 2015 NHFS equation



a) 2015 revision of the NHFS

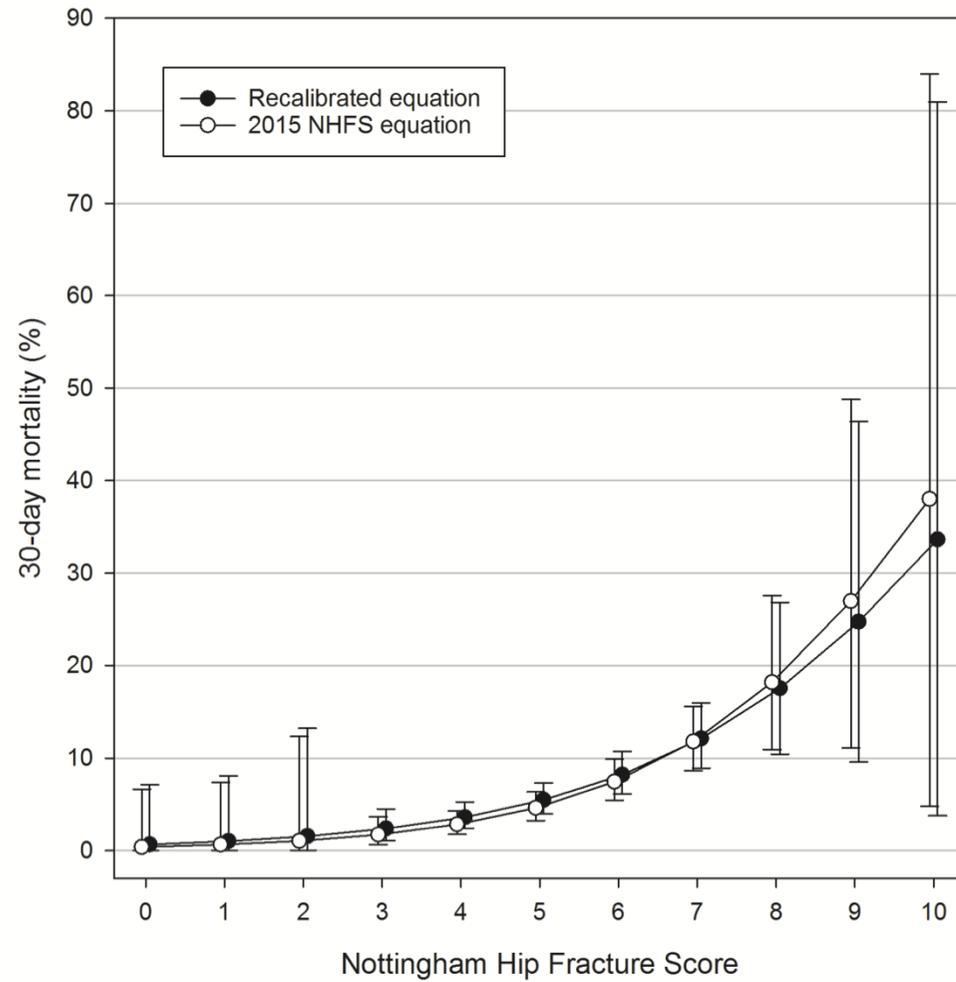
Observed 30-day mortality vs 30-day mortality predicted by a recalibrated equation for the Northumbria hip fracture cohort



b) equation recalibrated for the Northumbria hip fracture cohort

Supplementary Figure 2. NHFS mortality at 30-days post-surgery as predicted by the 2015 NHFS equation and the recalibrated equation

NHFS vs predicted 30-day mortality following hip fracture surgery (with 95% confidence interval)



Supplementary Figure 3. NHFS mortality at 30-days post-surgery predicted by the recalibrated equation vs observed mortality in the Northumbria cohort

Observed vs predicted 30-day mortality following hip fracture surgery (95% confidence interval)

