

Supplemental table 1: Multinomial logistic regression analysis for patient features and likelihood of being assessed by LCNS for patients who survived for more than 30 days after diagnosis (n=109,079)

	Adjusted Relative risk ratio†	Adjusted Relative risk ratio†	Adjusted Relative risk ratio†
	Patient assessed? Yes vs No	Point of assessment? Before/at vs After diagnosis	Place of assessment? In Ward vs In Clinic
Year			
2007	1	1	1
2008	0.96 (0.65 – 1.41)	0.91 (0.73 - 1.13)	0.96 (0.80 - 1.16)
2009	1.15 (0.77 – 1.71)	0.89 (0.68 - 1.15)	0.85 (0.68 - 1.06)
2010	1.08 (0.68 – 1.71)	0.94 (0.72 - 1.23)	0.73 (0.59 - 0.89)
2011	1.35 (0.84 – 2.16)	1.02 (0.78 - 1.33)	0.74 (0.58 - 0.95)
Sex			
Female	1	1	1
Male	1.05 (0.97 – 1.12)	0.95 (0.92 - 0.99)	0.91 (0.87 - 0.95)
Age			
<65	1	1	1
65-75	1.10 (1.01 – 1.20)	0.98 (0.94 - 1.03)	0.85 (0.81 - 0.90)
>75	0.84 (0.75 – 0.96)	0.96 (0.91 - 1.02)	0.77 (0.71 - 0.83)
Performance status			
0	1	1	1
1	1.11 (0.90 – 1.38)	0.95 (0.83 - 1.08)	1.31 (1.14 - 1.51)
2	0.97 (0.76 – 1.23)	0.91 (0.77 - 1.07)	1.90 (1.62 - 2.22)
3	0.63 (0.48 – 0.82)	0.78 (0.64 - 0.95)	2.96 (2.47 - 3.55)
4	0.36 (0.26 – 0.51)	0.68 (0.52 - 0.88)	5.73 (4.51 - 7.29)
Missing	0.56 (0.40 – 0.77)	0.63 (0.52 - 0.76)	1.66 (1.37 - 2.00)
Stage			
IA-IB	1	1	1
IIA-IIIB	1.48 (1.23 – 1.77)	0.90 (0.83 - 0.97)	1.21 (1.05 - 1.40)
IIIA	1.47 (1.25 – 1.72)	0.94 (0.88 - 1.01)	1.28 (1.13 - 1.45)
IIIB	1.46 (1.23 – 1.73)	0.86 (0.78 - 0.94)	1.67 (1.47 - 1.89)
IV	1.27 (1.09 – 1.48)	0.80 (0.74 - 0.86)	1.91 (1.68 - 2.17)
SCLC-Limited	1.59 (1.23 – 2.06)	0.95 (0.85 - 1.06)	1.79 (1.51 - 2.11)
SCLC-Extensive	1.53 (1.18 – 1.98)	0.84 (0.75 - 0.94)	2.34 (2.01 - 2.74)
Stage Unknown	0.98 (0.79 – 1.20)	0.80 (0.70 - 0.90)	1.75 (1.50 - 2.03)
Charlson Index			
0	1	1	1
1	0.95 (0.85 – 1.05)	1.09 (1.02 - 1.16)	1.18 (1.09 - 1.27)
2-3	0.89 (0.80 – 0.99)	1.10 (1.03 - 1.17)	1.14 (1.05 - 1.25)
4+	0.76 (0.68 – 0.86)	1.28 (1.20 - 1.37)	2.14 (1.97 - 2.33)
Townsend Quintile			
1 (Most affluent)	1	1	1
2	0.92 (0.81 – 1.05)	1.01 (0.92 - 1.11)	0.98 (0.90 - 1.08)
3	1.04 (0.92 – 1.17)	1.04 (0.93 - 1.15)	0.97 (0.89 - 1.05)
4	1.10 (0.94 – 1.28)	1.07 (0.94 - 1.21)	0.95 (0.86 - 1.05)
5 (Least affluent)	1.10 (0.88 – 1.37)	1.18 (0.99 - 1.41)	1.01 (0.88 - 1.17)
Missing	0.91 (0.67 – 1.24)	1.12 (0.92 - 1.35)	1.22 (0.99 - 1.50)
Route of referral			
Referred from GP	1	1	1
Emergency Admission	0.46 (0.36 – 0.58)	0.60 (0.51 - 0.70)	8.51 (6.65 - 10.8)
Referred from Consultant	0.70 (0.59 – 0.84)	0.78 (0.68 - 0.89)	2.56 (2.16 - 3.04)
Following A&E attendance	0.65 (0.49 – 0.86)	0.57 (0.48 - 0.67)	6.63 (5.39 - 8.15)
Others	0.88 (0.65 – 1.18)	1.12 (0.80 - 1.57)	1.94 (1.49 - 2.53)
Missing	0.52 (0.28 – 0.98)	1.02 (0.74 - 1.40)	2.03 (1.26 - 3.28)
Treatment			
No treatment	1	1	1
Surgery	1.79 (1.48 – 2.18)	1.79 (1.57 - 2.04)	0.56 (0.48 - 0.66)
Chemo & radiotherapy	3.18 (2.49 – 4.07)	1.20 (1.02 - 1.39)	0.60 (0.52 - 0.70)
Chemo Only	2.78 (2.16 – 3.58)	1.22 (1.10 - 1.35)	0.62 (0.55 - 0.69)
Radiotherapy only	2.27 (1.92 – 2.68)	1.12 (1.01 - 1.24)	0.74 (0.67 - 0.82)
Trust Size (Annual)			
<175 pts	1	1	1
>=175 - <265 pts	1.03 (0.67 – 1.59)	1.05 (0.71 - 1.55)	0.90 (0.72 - 1.13)
>= 265 pts	0.60 (0.36 – 0.99)	0.86 (0.56 - 1.32)	0.71 (0.52 - 0.97)
Caseload			
<=150 cases	1	1	1
>150 - <=250 cases	1.20 (0.73 – 1.96)	0.86 (0.53 - 1.40)	0.90 (0.69 - 1.18)
>250 cases	0.70 (0.40 – 1.24)	0.91 (0.53 - 1.58)	1.11 (0.79 - 1.55)
LCNC Band			
All 7 band	1	1	1
6,7&8 Bands	0.75 (0.49 – 1.15)	1.26 (0.77 - 2.05)	1.29 (0.88 - 1.91)
7,8 Bands	2.48 (1.36 – 4.51)	0.91 (0.30 - 3.14)	1.02 (0.81 - 1.30)

‡ Relative risk ratio adjusted for Trust/LCNS feature, year and patient features

† Significant p value for trends/likelihood ratio test (p<0.05)