

Supplemental table 2: Multinomial logistic regression analysis for patient features and likelihood of being assessed, point of assessment in the lung cancer pathway and place of assessment by LCNS for patients with missing data

	Adjusted Relative risk ratio [‡]	Adjusted Relative risk ratio [‡]	Adjusted Relative risk ratio [‡]
	Patient Assessed? Missing vs No	Point of assessment Missing vs After diagnosis	Place of assessment Missing vs In Clinic
Year			
2007	1	1	1
2008	0.41 (0.26 - 0.64)	0.86 (0.47 - 1.57)	0.65 (0.42 - 1.00)
2009	0.30 (0.17 - 0.54)	0.24 (0.10 - 0.57)	0.27 (0.16 - 0.47)
2010	0.14 (0.07 - 0.28)	0.20 (0.05 - 0.77)	0.27 (0.14 - 0.52)
2011	0.14 (0.07 - 0.27)	0.12 (0.02 - 0.64)	0.41 (0.20 - 0.85)
Sex			
Female	1	1	1
Male	1.05 (0.99 - 1.11)	1.04 (0.97 - 1.12)	0.97 (0.91 - 1.03)
Age			
<65	1	1	1
65-75	1.03 (0.94 - 1.12)	0.98 (0.88 - 1.09)	0.98 (0.91 - 1.05)
>75	0.86 (0.77 - 0.96)	0.94 (0.80 - 1.11)	0.97 (0.89 - 1.05)
Performance status			
0	1	1	1
1	0.94 (0.75 - 1.17)	0.60 (0.42 - 0.85)	0.88 (0.62 - 1.26)
2	0.77 (0.61 - 0.97)	0.55 (0.33 - 0.91)	0.96 (0.60 - 1.53)
3	0.58 (0.44 - 0.77)	0.46 (0.29 - 0.72)	1.32 (0.77 - 2.24)
4	0.50 (0.34 - 0.73)	0.51 (0.22 - 1.17)	2.26 (1.21 - 4.20)
Missing	1.37 (0.90 - 2.10)	1.15 (0.64 - 2.07)	1.85 (1.25 - 2.73)
Stage			
IA-IB	1	1	1
IIA-IIIB	1.34 (1.10 - 1.64)	1.04 (0.85 - 1.27)	0.98 (0.85 - 1.14)
IIIA	1.26 (1.07 - 1.48)	1.18 (0.89 - 1.55)	1.02 (0.80 - 1.31)
IIIB	1.23 (1.03 - 1.48)	1.11 (0.87 - 1.43)	1.04 (0.75 - 1.44)
IV	1.10 (0.94 - 1.30)	1.07 (0.88 - 1.32)	1.10 (0.81 - 1.50)
SCLC-Limited	1.39 (1.05 - 1.85)	0.95 (0.68 - 1.32)	1.12 (0.87 - 1.43)
SCLC-Extensive	1.18 (0.95 - 1.46)	0.87 (0.61 - 1.23)	1.02 (0.73 - 1.44)
Stage Unknown	1.49 (1.19 - 1.87)	1.71 (1.20 - 2.44)	1.55 (1.01 - 2.38)
Charlson Index			
0	1	1	1
1	0.94 (0.85 - 1.03)	1.10 (0.99 - 1.22)	0.96 (0.86 - 1.07)
2-3	0.87 (0.78 - 0.96)	1.06 (0.91 - 1.23)	0.92 (0.82 - 1.04)
4+	0.75 (0.66 - 0.87)	1.27 (0.89 - 1.81)	1.25 (1.03 - 1.50)
Townsend Quintile			
1 (Most affluent)	1	1	1
2	0.87 (0.78 - 0.98)	0.88 (0.71 - 1.09)	1.04 (0.90 - 1.21)
3	0.90 (0.79 - 1.02)	0.86 (0.69 - 1.08)	0.96 (0.79 - 1.17)
4	0.95 (0.80 - 1.12)	1.14 (0.88 - 1.49)	1.06 (0.83 - 1.35)
5 (Least affluent)	0.88 (0.67 - 1.15)	1.46 (0.89 - 2.41)	1.38 (0.90 - 2.12)
Missing	0.85 (0.61 - 1.18)	0.99 (0.56 - 1.76)	1.16 (0.69 - 1.93)
Route of referral			
Referred from GP	1	1	1
Emergency Admission	0.47 (0.33 - 0.67)	0.88 (0.41 - 1.88)	1.55 (0.93 - 2.58)
Referred from Consultant	0.88 (0.68 - 1.14)	0.94 (0.77 - 1.14)	1.18 (0.90 - 1.55)
Following A&E attendance	0.82 (0.58 - 1.15)	1.29 (0.93 - 1.80)	1.56 (0.86 - 2.81)
Others	1.11 (0.63 - 1.98)	1.13 (0.61 - 2.07)	0.98 (0.47 - 2.05)
Missing	0.70 (0.25 - 1.97)	1.65 (0.56 - 4.83)	4.01 (2.19 - 7.35)
Treatment			
No treatment	1	1	1
Surgery	1.74 (1.42 - 2.12)	1.45 (0.97 - 2.15)	1.03 (0.84 - 1.25)
Chemo & radiotherapy	2.08 (1.53 - 2.85)	0.60 (0.33 - 1.10)	0.82 (0.52 - 1.28)
Chemo Only	2.39 (1.83 - 3.12)	0.80 (0.57 - 1.10)	0.77 (0.62 - 0.96)
Radiotherapy only	1.77 (1.50 - 2.09)	0.77 (0.56 - 1.04)	0.91 (0.76 - 1.10)
Trust Size (Annual)			
<175 pts	1	1	1
>=175 - <265 pts	0.72 (0.39 - 1.32)	1.41 (0.51 - 3.85)	1.44 (0.57 - 3.66)
>= 265 pts	1.12 (0.53 - 2.34)	1.15 (0.25 - 5.30)	2.07 (0.58 - 7.29)
Caseload			
<=150 cases	1	1	1
>150 - <=250 cases	1.76 (0.98 - 3.16)	3.63 (1.34 - 9.81)	2.32 (0.72 - 7.45)
>250 cases	1.12 (0.53 - 2.34)	2.70 (0.87 - 8.38)	0.59 (0.18 - 1.92)
LCNS dealing with >50% work[§]			
Majority 7 band	1	1	1
Majority 6 band	0.49 (0.17 - 1.35)	3.20 (0.47 - 21.7)	5.64 (1.36 - 23.3)
Majority 8 band	1.09 (0.35 - 3.41)	8.45 (1.35 - 52.7)	6.12 (0.90 - 41.3)
LCNS Band			
All 7 band	1	1	1
6,7&8 Bands	1.17 (0.59 - 2.29)	1.93 (0.76 - 4.88)	2.65 (0.99 - 7.11)
7,8 Bands	1.28 (0.54 - 3.04)	2.66 (0.46 - 15.1)	1.99 (0.43 - 9.08)