

Table 1: Multinomial logistic regression analysis for patient features and likelihood of being assessed by a LCNS clustered by NHS Trusts (n=128,124)

	LCNS Assessed						Adjusted Relative risk ratio [‡]	
	No n=(7544)	%	Yes n=(80113)	%	Missing n=(40467)	%	Yes vs No	
Year								
2007	675	9	6216	8	13041	32		1
2008	1368	18	12235	15	10593	26	0.98	(0.69 - 1.40)
2009	1618	21	17676	22	8217	20	1.17	(0.80 - 1.72)
2010	2059	27	20941	26	4695	12	1.10	(0.71 - 1.70)
2011	1824	24	23045	29	3921	10	1.33	(0.86 - 2.05)
Sex								
Female	3437	46	35269	44	17428	43		1
Male	4107	54	44844	56	23039	57	1.02	(0.96 - 1.07)
Age								
<65	1325	18	21715	27	10346	26		1 [†]
65-75	1961	26	27118	34	12804	32	1.05	(0.96 - 1.14)
>75	4258	56	31280	39	17317	43	0.84	(0.75 - 0.93)
Performance status								
0	590	8	14318	18	4994	12		1 [†]
1	1012	13	24737	31	7208	18	1.14	(0.92 - 1.41)
2	1105	15	15441	19	4802	12	0.97	(0.77 - 1.23)
3	2038	27	12254	15	4903	12	0.63	(0.48 - 0.81)
4	1220	16	3098	4	2038	5	0.34	(0.24 - 0.46)
Missing	1579	21	10265	13	16522	41	0.47	(0.34 - 0.65)
Stage								
IA-IB	716	10	8779	11	3528	9		1 [†]
IIA-IIIB	267	4	4692	6	1567	4	1.42	(1.18 - 1.71)
IIIA	448	6	7590	9	2352	6	1.35	(1.16 - 1.57)
IIIB	635	8	9322	12	3739	9	1.28	(1.09 - 1.49)
IV	3295	44	29479	37	11191	28	1.10	(0.96 - 1.27)
SCLC-Limited	99	1	2933	4	845	2	1.48	(1.17 - 1.88)
SCLC-Extensive	402	5	5792	7	1849	5	1.25	(1.05 - 1.49)
Stage Unknown	1682	22	11526	14	15396	38	0.89	(0.72 - 1.09)
Charlson Index								
0	1493	20	26132	33	13206	33		1 [†]
1	1237	16	16162	20	7711	19	0.95	(0.86 - 1.04)
2-3	1386	18	13892	17	6938	17	0.86	(0.78 - 0.94)
4+	3428	45	23927	30	12612	31	0.71	(0.64 - 0.80)
Townsend Quintile								
1 (Most affluent)	1046	14	12253	15	6509	16		1
2	1417	19	14506	18	7785	19	0.89	(0.81 - 0.99)
3	1463	19	15670	20	7977	20	1.00	(0.90 - 1.11)
4	1570	21	16978	21	8639	21	1.04	(0.91 - 1.20)
5 (Least affluent)	1824	24	19240	24	9121	23	1.06	(0.87 - 1.29)
Missing	224	3	1466	2	436	1	0.88	(0.68 - 1.12)
Route of referral								
Referred from GP	2205	29	40409	50	17590	43		1 [†]
Emergency Admission	2021	27	9468	12	4889	12	0.43	(0.35 - 0.53)
Referred from Consultant	1585	21	16553	21	8150	20	0.74	(0.63 - 0.86)
Following A&E admission	804	11	5310	7	3027	7	0.62	(0.48 - 0.82)
Others	425	6	5306	7	3492	9	0.87	(0.64 - 1.19)
Missing	504	7	3067	4	3319	8	0.46	(0.25 - 0.87)
Treatment								
No treatment	5349	71	27205	34	18400	45		1 [†]
Surgery	603	8	11615	15	5605	14	2.04	(1.71 - 2.44)
Chemo & radiotherapy	255	3	9626	12	2578	6	3.93	(3.10 - 4.98)
Chemo Only	543	7	17091	21	7828	19	3.42	(2.67 - 4.38)
Radiotherapy only	794	11	14576	18	6056	15	2.57	(2.18 - 3.04)
Trust Size (Annual)								
<175 pts	2351	31	30765	38	13503	33		1 [†]
>=175 - <265 pts	2195	29	26507	33	10165	25	0.97	(0.64 - 1.49)
>= 265 pts	2998	40	22841	29	16799	42	0.58	(0.37 - 0.91)
Caseload								
<=150 cases	1648	22	18673	23	6509	16		1
>150 - <=250 cases	3672	49	43497	54	24783	61	1.08	(0.69 - 1.69)
>250 cases	2224	29	17943	22	9175	23	0.69	(0.41 - 1.16)
LCNS dealing with >50% work[‡]								
Majority work 7 band	5986	79	66942	84	34746	86		1
Majority work 6 band	1466	19	10370	13	5069	13	0.71	(0.47 - 1.07)
Majority work 8 band	92	1	2801	4	652	2	2.22	(1.22 - 4.02)
LCNS Band[‡]								
All 7 band	3404	45	35513	44	16989	42		1
6,7&8 Bands	3619	48	35808	45	20347	50	0.96	(0.63 - 1.45)
7,8 Bands	521	7	8792	11	3131	8	1.59	(0.86 - 2.92)

Baseline group patients not assessed by LCNS

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

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

[‡] Not Adjusted for other LCNS Band Variable