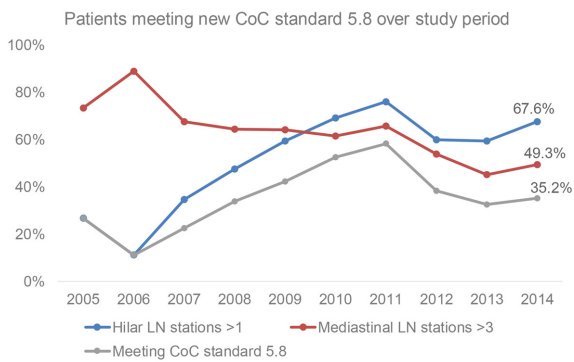
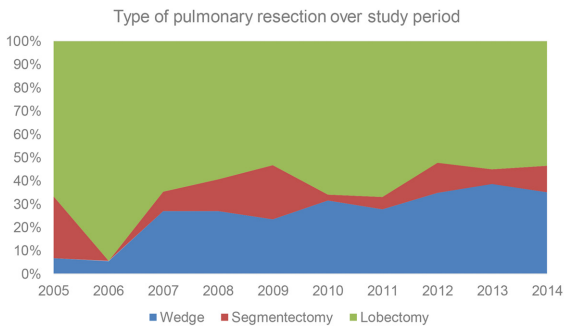


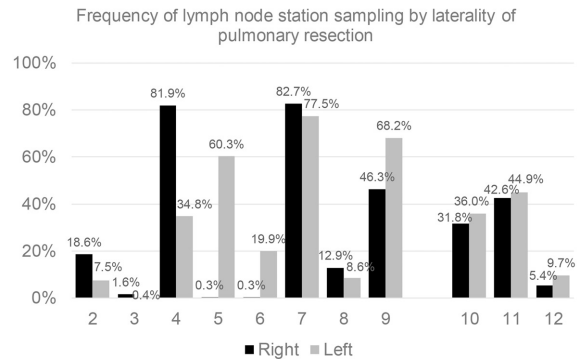
**Figure S1** Rates of pN1 lymph node upstaging according to N1 stations harvested.



**Figure S2** Historical trends of intraoperative lymph node evaluation.



**Figure S3** Historical trends of type of pulmonary resection used in the study population.



**Figure S4** Rate of resection of individual lymph node stations by laterality of pulmonary resection. Station 2: P<0.001; Station 3: P=0.250; Station 4: P<0.001; Station 5: P<0.001; Station 6: P<0.001; Station 7: P=0.108; Station 8: P=0.100; Station 9: P<0.001; Station 10: P=0.274; Station 11: P=0.575; Station 12: P=0.045.

**Table S1** Surgical treatment, tumor characteristics and lymph node yield according to laterality of lung resection

Variable	All (n=654)	Left resections (n=267)	Right resections (n=387)	P value
Histology, n (%)				0.65
Adenocarcinoma	492 (75.2)	198 (74.2)	294 (76.0)	
Squamous cell carcinoma	162 (24.8)	69 (25.8)	93 (24.0)	
Surgical approach, n (%)				0.15
Minimally invasive	371 (56.7)	142 (53.2)	229 (59.2)	
Open	283 (43.3)	125 (46.8)	158 (40.8)	
Type of lung resection, n (%)				0.17
Wedge resection	199 (30.4)	75 (28.1)	124 (32.0)	
Segmentectomy	67 (10.2)	34 (12.7)	33 (8.5)	
Lobectomy	388 (59.3)	158 (59.2)	230 (59.4)	
Pathologic N stage, n (%)				0.60
pN0	550 (84.1)	220 (82.4)	330 (85.3)	
pN1	66 (10.1)	30 (11.2)	36 (9.83)	
pN2	38 (5.8)	17 (6.4)	21 (5.4)	
Lymph node evaluation, median [IQR]				
Number of resected lymph nodes	5 [3–7]	5 [3–7]	4 [3–6]	0.052
Number of lymph node stations sampled	4 [3–5]	4 [3–5]	4 [3–5]	<0.001
Number of N1 stations sampled	1 [0–1]	1 [0–2]	1 [0–1]	0.11
Number of N2 stations sampled	3 [2–3]	3 [2–4]	3 [2–3]	<0.001
Lymph node upstaging, n (%)	104 (15.9)	47 (17.6)	57 (14.7)	0.33
CoC standard 5.8 met, n (%)	254 (38.8)	123 (46.1)	131 (33.9)	0.002
One or more N1 stations, n (%)	382 (58.4)	164 (61.4)	218 (56.3)	0.20
Three or more N2 stations, n (%)	383 (58.6)	175 (65.5)	208 (53.8)	0.003

IQR, interquartile range; CoC standard, Commission on Cancer standard.