

Table 1 Demographic and disease characteristics of the study cohort

Characteristics	Total (%)	With radiotherapy (%)	Without radiotherapy (%)	P*
Study cohort	2486(100)	1265(50.88)	1221(49.12)	
Sex				
Male	1418 (57.04)	785 (62.06)	633 (51.84)	<0.0001
Female	1068 (42.96)	480 (37.94)	588 (48.16)	
Age, y				
0-19	30 (1.21)	13 (1.03)	17 (1.39)	<0.0001
20-34	223 (8.97)	147 (11.62)	76 (6.22)	
35-44	313 (12.59)	199 (15.73)	114 (9.34)	
45-54	359 (14.44)	191 (15.10)	168 (13.76)	
55-64	554 (22.28)	248 (19.60)	306 (25.06)	
65-74	602 (24.22)	286 (22.61)	316 (25.88)	
75-84	362 (14.56)	165 (13.04)	197 (16.13)	
85+	43 (1.73)	16 (1.26)	27 (2.21)	
Race				
White	1985 (79.85)	1018 (80.47)	967 (79.20)	0.0793
Black	228 (9.17)	127 (10.04)	101 (8.27)	
AIAN	13 (0.52)	5 (0.40)	8 (0.66)	
API	253 (10.18)	113 (8.93)	140 (11.47)	
Unknown	7 (0.28)	2 (0.16)	5 (0.41)	
Year of diagnosis				
1988-1999	857 (34.47)	680 (53.75)	177 (14.50)	<0.0001
2000-2016	1629 (65.53)	585 (46.25)	1044 (85.50)	
Histological type				
DLBLC	1673 (67.30)	736 (58.18)	937 (76.74)	<0.0001
No-DLBLC	813 (32.70)	529 (41.82)	284 (23.26)	
Tumor site				
Supratentoria	1231 (49.52)	610 (48.22)	621 (50.86)	0.0817
Infratentorial	339 (13.64)	170 (13.44)	169 (13.84)	
Overlapping	246 (9.90)	144 (11.38)	102 (8.35)	
Other	670 (26.95)	341 (26.96)	329 (26.95)	
Laterality				
Only one side	796 (32.02)	247 (19.53)	549 (44.96)	<0.0001
Not one side	1690 (67.98)	1018 (80.47)	672 (55.04)	
OIPDH				
No	2130 (85.68)	1000 (79.05)	1130 (92.55)	<0.0001
Yes	356 (14.32)	265 (20.95)	91 (7.45)	
Symptoms				
no B	974 (39.18)	314 (24.82)	660 (54.05)	<0.0001
B	130 (5.23)	48 (3.79)	82 (6.72)	
Unknown	1382 (55.59)	903 (71.38)	479 (39.23)	

IPI

Low risk	22 (0.88)	10 (0.79)	12 (0.98)	<0.0001
Low intermedia risk	16 (0.64)	7 (0.55)	9 (0.74)	
Intermedia high risk	6 (0.24)	4 (0.32)	2 (0.16)	
High risk	1233 (49.60)	399 (31.54)	834 (68.30)	
Unknown	1209 (48.63)	845 (66.80)	364 (29.81)	

Number of tumor(s)

1	2361 (94.97)	1196 (94.55)	1165 (95.41)	0.472
2	113 (4.55)	62 (4.90)	51 (4.18)	
3	11 (0.44)	7 (0.55)	4 (0.33)	
4	1 (0.04)	0 (0.00)	1 (0.08)	

Size

0-19mm	6 (0.24)	2 (0.16)	4 (0.33)	<0.0001
20-39mm	28 (1.13)	3 (0.24)	25 (2.05)	
40-59mm	12 (0.48)	0 (0.00)	12 (0.98)	
60-79mm	6 (0.24)	2 (0.16)	4 (0.33)	
80+mm	8 (0.32)	0 (0.00)	8 (0.66)	
Unknown	2426 (97.59)	1258 (99.45)	1168 (95.66)	

Marital status

Married	1334 (53.66)	646 (51.07)	688 (56.35)	0.0051
Unmarried	1086 (43.68)	591 (46.72)	495 (40.54)	
Unknown	66 (2.65)	28 (2.21)	38 (3.11)	

Insurance

Insured	819 (32.94)	233 (18.42)	586 (47.99)	<0.0001
Uninsured	36 (1.45)	16 (1.26)	20 (1.64)	
Medicaid	165 (6.64)	50 (3.95)	115 (9.42)	
Unknown	1466 (58.97)	966 (76.36)	500 (40.95)	

Surgery

Biopsy	541 (21.76)	445 (35.18)	96 (7.86)	<0.0001
STR	1345 (54.10)	559 (44.19)	786 (64.37)	
GTR	600 (24.14)	261 (20.63)	339 (27.76)	

Chemotherapy

Yes	1357 (54.59)	574 (45.38)	783 (64.13)	<0.0001
NO/Unknown	1129 (45.41)	691 (54.62)	438 (35.87)	

Abbreviations AIAN, American Indian/Alaska Native; API, Asian Pacific Islander; DLBCL diffuse large B-cell lymphoma; OIPDH, Other Infectious and Parasitic Diseases including HIV; IPI, International Prognostic Index; STR, Subtotal resection; GTR, Gross total resection;

*P-value from chi-square tests.