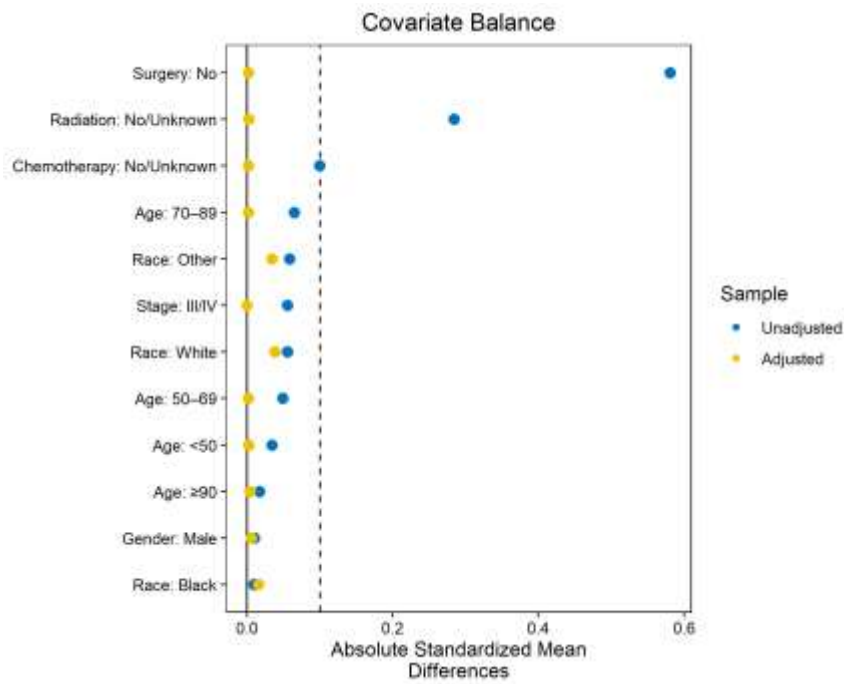




Supplementary Figure 1 Covariate balance before and after PSM.

Supplementary Table 1 Baseline characteristics of PI-DLBCL patients in the SEER training cohort before and after PSM

ICD-O-3 topography codes	Anatomical site	Laterality group	No. of patients
C17.0	Duodenum	Right side	464 (9.9)
C17.1	Jejunum	Right side	398 (8.5)
C17.2	Ileum	Right side	701 (14.9)
C17.8	Overlapping lesion of small intestine	Right side	56 (1.2)
C17.9	Small intestine, NOS	Right side	1038 (22.1)
C18.0	Cecum	Right side	785 (16.7)
C18.1	Appendix	Right side	74 (1.6)
C18.2	Ascending colon	Right side	283 (6.0)
C18.3	Hepatic flexure of colon	Right side	38 (0.8)
C18.4	Transverse colon	Right side	78 (1.7)
C18.5	Splenic flexure of colon	Left side	23 (0.5)
C18.6	Descending colon	Left side	56 (1.2)
C18.7	Sigmoid colon	Left side	210 (4.5)
C18.8	Overlapping lesion of colon	Excluded	71 (1.5)
C18.9	Colon, NOS	Excluded	154 (3.3)
C19.9	Rectosigmoid junction	Left side	37 (0.8)
C20.9	Rectum, NOS	Left side	228 (4.9)

Supplementary Table 2 Treatment characteristics of the external validation cohort.

Characteristics	No. of patients (%)
First-line chemotherapy	

R-CHOP/R-CHOP-like	101 (94.4)
Other R-based regimens	4 (3.7)
No chemotherapy	2 (1.9)
Surgery	
Yes	65 (60.7)
No	42 (39.2)
Radiation	
Yes	3 (2.8)
No	104 (97.2)