

Table S1 Basic clinicopathological information of patients with ESCC in the training set and validation set				
Variable	Total (n=273)	Training cohort (n=192)	Validation cohort (n=81)	P
Sex				0.31
Male	161 (59.0)	117 (60.9)	44 (54.3)	
Female	112 (41.0)	75 (39.1)	37 (45.7)	
Race				0.39
Black	54 (19.8)	41 (21.4)	13 (16.0)	
White	186 (68.1)	126 (65.6)	60 (74.1)	
Other	33 (12.1)	25 (13.0)	8 (9.9)	
Age (years)				0.06
≤63	139 (50.9)	105 (54.7)	34 (42.0)	
>63	134 (49.1)	87 (45.3)	47 (58.0)	
Primary site				0.43
Upper third of esophagus	12 (4.4)	11 (5.7)	1 (1.2)	
Middle third of esophagus	132 (48.4)	93 (48.4)	39 (48.1)	
Lower third of esophagus	117 (42.9)	80 (41.7)	37 (45.7)	
Overlapping lesion of esophagus	12 (4.4)	8 (4.2)	4 (4.9)	
T stage				0.21
T1	58 (21.2)	47 (24.5)	11 (13.6)	
T2	61 (22.3)	40 (20.8)	21 (25.9)	
T3	143 (52.4)	97 (50.5)	46 (56.8)	
T4	11 (4.0)	8 (4.2)	3 (3.7)	
M stage				0.34
M0	261 (95.6)	185 (96.4)	76 (93.8)	
M1	12 (4.4)	7 (3.6)	5 (6.2)	
TNM stage				0.09
I	119 (43.6)	87 (45.3)	32 (39.5)	
II	143 (52.4)	97 (50.5)	46 (56.8)	
III	9 (3.3)	8 (4.2)	1 (1.2)	
IV	2 (0.7)	0 (0.0)	2 (2.5)	
Radiation				>0.99
No	14 (5.1)	10 (5.2)	4 (4.9)	
Yes	259 (94.9)	182 (94.8)	77 (95.1)	
Marital status				0.36
Unmarried	116 (42.5)	85 (44.3)	31 (38.3)	
Married	157 (57.5)	107 (55.7)	50 (61.7)	
Grade				0.82
I	11 (4.0)	8 (4.2)	3 (3.7)	
II	115 (42.1)	78 (40.6)	37 (45.7)	
III	101 (37.0)	74 (38.5)	27 (33.3)	
IV	2 (0.7)	1 (0.5)	1 (1.2)	
Unknown	44 (16.1)	31 (16.1)	13 (16.0)	
LN				0.18
≤13	145 (53.1)	107 (55.7)	38 (46.9)	
>13	128 (46.9)	85 (44.3)	43 (53.1)	
OS, n (%)				0.16
Alive	127 (46.5)	84 (43.8)	43 (53.1)	
Dead	146 (53.5)	108 (56.2)	38 (46.9)	

Data are presented as n (%).

Table S2 Basic clinicopathological information of patients with EAC in the training set and validation set

Variable	Total (n=1,120)	Training cohort (n=784)	Validation cohort (n=336)	P
Sex				0.76
Male	982 (87.7)	689 (87.9)	293 (87.2)	
Female	138 (12.3)	95 (12.1)	43 (12.8)	
Race				0.30
Black	23 (2.1)	19 (2.4)	4 (1.2)	
White	1,070 (95.5)	748 (95.4)	322 (95.8)	
Other	27 (2.4)	17 (2.2)	10 (3.0)	
Age (years)				0.20
≤63	559 (49.9)	401 (51.1)	158 (47.0)	
>63	561 (50.1)	383 (48.9)	178 (53.0)	
Primary site				0.29
Upper third of esophagus	3 (0.3)	2 (0.3)	1 (0.3)	
Middle third of esophagus	50 (4.5)	30 (3.8)	20 (6.0)	
Lower third of esophagus	1,032 (92.1)	725 (92.5)	307 (91.4)	
Overlapping lesion of esophagus	35 (3.1)	27 (3.4)	8 (2.4)	
T stage				0.63
T1	216 (19.3)	152 (19.4)	64 (19.0)	
T2	254 (22.7)	177 (22.6)	77 (22.9)	
T3	609 (54.4)	430 (54.8)	179 (53.3)	
T4	41 (3.7)	25 (3.2)	16 (4.8)	
M stage				0.84
M0	1,051 (93.8)	735 (93.8)	316 (94.0)	
M1	69 (6.2)	49 (6.2)	20 (6.0)	
TNM stage				0.22
I	470 (42.0)	329 (42)	141 (42.0)	
II	609 (54.4)	430 (54.8)	179 (53.3)	
III	37 (3.3)	24 (3.1)	13 (3.9)	
IV	4 (0.4)	1 (0.1)	3 (0.9)	
Radiation				0.12
No	61 (5.4)	48 (6.1)	13 (3.9)	
Yes	1,059 (94.6)	736 (93.9)	323 (96.1)	
Marital status				0.44
Unmarried	329 (29.4)	225 (28.7)	104 (31.0)	
Married	791 (70.6)	559 (71.3)	232 (69.0)	
OS				0.38
Alive	554 (49.5)	381 (48.6)	173 (51.5)	
Dead	566 (50.5)	403 (51.4)	163 (48.5)	
LN				0.93
≤15	612 (54.6)	429 (54.7)	183 (54.5)	
>15	508 (45.4)	355 (45.3)	153 (45.5)	

Data are presented as n (%).