

SUPPLEMENTARY TABLES

Supplementary Table 1. Metastatic status of patients diagnosed with colorectal cancer between 2010 and 2016 in SEER 18 registries.

Characteristics	No. of patients (%)	Person-years of follow-up	No. of deaths (%)	Non-cancer deaths	
				No. of observed deaths (%)	SMR ¹ (95% CI)
Liver metastasis					
Yes	30,689 (14.8%)	36,149	22,352 (34.2%)	1,274 (8.5%)	2.85 (2.70-3.02)
No	177,070 (85.2%)	469,716	42,957 (65.8%)	13,727 (91.5%)	1.61 (1.58-1.63)
Lung metastasis					
Yes	10,407 (5.0%)	10,549	7,925 (12.3%)	430 (2.9%)	2.92 (2.66-3.21)
No	196,513 (95.0%)	494,709	56,664 (87.7%)	14,537 (97.1%)	1.65 (1.62-1.67)
Bone metastasis					
Yes	2,489 (1.2%)	1,781	2,050 (3.1%)	92 (0.6%)	4.06 (3.31-4.98)
No	204,461 (98.8%)	503,430	62,541 (95.5%)	14,855 (99.4%)	1.66 (1.63-1.68)
Brain metastasis					
Yes	576 (0.3%)	368	487 (0.8%)	27 (0.2%)	7.07 (4.85-10.3)
No	206,283 (99.7%)	504,728	64,042 (99.2%)	14,927 (99.8%)	1.66 (1.64-1.69)

Supplementary Table 2. Cancer-related deaths by liver metastasis in patients diagnosed with colorectal cancer between 2010 and 2016 in SEER 18 registries.

Cancer-related cause of death	Liver metastasis			
	Yes		No	
	Number	%	Number	%
Total	21,078	100%	29,230	100%
Colon and rectum	19,413	92.1%	25,581	87.5%
Other cancers	1,665	7.90%	3,649	12.48%
Lung and bronchus	160	0.76%	773	2.64%
Pancreas	63	0.30%	253	0.87%
In situ, benign or unknown behavior neoplasm	56	0.27%	152	0.52%
Liver	214	1.02%	133	0.46%
Other less frequent cancers	1,172	5.56%	2,338	8.00%

Supplementary Table 3. Cancer-related deaths by lung metastasis in patients diagnosed with colorectal cancer between 2010 and 2016 in SEER 18 registries.

Cancer-related cause of death	Lung metastasis			
	Yes		No	
	Number	%	Number	%
Total	7,495	100%	42,127	100%
Colon and rectum	6,829	91.1%	37,564	89.2%
Other cancers	666	8.9%	4,563	10.8%
Lung and Bronchus	154	2.1%	777	1.8%
Liver	39	0.5%	297	0.7%
Pancreas	23	0.3%	288	0.7%
Other Digestive Organs	20	0.3%	190	0.5%
Anus	19	0.3%	121	0.3%
In situ, benign or unknown behavior neoplasm	13	0.2%	195	0.5%
Other less frequent cancers	398	5.3%	2,695	6.4%