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Supplemental Figure 1. Timing of disease recurrence according to (A) type and (B) site.

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477 **Supplemental Table 1.** Time to recurrence by all patients (multivariable analysis).

	# Recurrence		5-Year recurrence free survival (SE)	MVA after model selection		
	No	Yes		HR (95% CI)	p	Overall p
Gender						
Male	525	234	0.60 (0.02)	removed in model selection		
Female	559	232	0.63 (0.02)			
Age at Dx						
<= 65	495	261	0.58 (0.02)	removed in model selection		
>= 66	589	205	0.66 (0.02)			
Race						
Caucasian	808	354	0.61 (0.02)	Reference		
African American	182	59	0.69 (0.04)	0.66 (0.49 - 0.90)	0.01	0.001
Other	94	53	0.55 (0.05)	1.26 (0.925 - 1.71)	0.14	
TNM stage						
1	650	181	0.71 (0.02)	Reference		
2	168	79	0.57 (0.04)	1.35 (1.003 - 1.82)	0.05	0.03
3	214	136	0.51 (0.03)	1.45 (1.091 - 1.93)	0.01	
Histology						
Small cell	38	43	0.398 (0.06)	1.63 (1.092 - 2.44)	0.02	0.02
Other	1046	423	0.63 (0.012)	Reference		
Primary treatment						
Local therapy alone	741	202	0.72 (0.02)	0.62 (0.475 - 0.80)	<0.001	<0.001
Systemic treatment included	343	264	0.48 (0.02)	Reference		

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480 **Supplemental Table 2.** Time to recurrence (multivariable analysis—recurrence cases only).

	# Recurrence		2-Year recurrence-free survival (SE)	MVA after model selection		
	No	Yes		HR (95% CI)	<i>p</i>	Overall <i>p</i>
Gender						
Male	****	232	0.32 (0.03)	not used in MVA		
Female	****	229	0.31 (0.03)			
Age at Dx						
<= 65	****	259	0.35 (0.03)	0.82 (0.67 – 1.0)	0.05	0.05
>= 66	****	202	0.28 (0.03)	Reference		
Race						
Caucasian	****	351	0.31 (0.03)	not used in MVA		
Non-Caucasian	****	110	0.35 (0.05)			
TNM stage						
1	****	178	0.39 (0.04)	Reference		
2,3	****	213	0.24 (0.03)			
Histology						
Small cell	****	42	0.14 (0.05)	removed in model selection		
Other	****	419	0.33 (0.02)			
Primary treatment						
S, SR, R	****	201	0.36 (0.03)	removed in model selection		
SC, C, CR, SCR	****	260	0.28 (0.03)			
Type of first recurrence						
Local	****	106	0.43 (0.05)	removed in model selection		
Regional	****	99	0.30 (0.05)			
Distant	****	256	0.27 (0.03)			

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