

S1 Table. Patient characteristics by diabetes status and diabetes medication use

	Diabetes (%)			Metformin use (%)			Sulfonylureas use (%)			Insulin use (%)		
	Yes	No	p-value	Yes	No	p-value	Yes	No	p-value	Yes	No	p-value
Age at cancer diagnosis (yr)												
40-49	1.9	5.7	< 0.01	2.1	5.0	< 0.01	1.5	5.2	< 0.01	1.9	5.2	< 0.01
50-59	20.1	28.8		17.5	27.6		18.6	27.9		20.2	27.5	
60-70	27.2	25.4		26.9	25.8		25.6	26.0		23.5	26.3	
≥ 70	50.8	40.1		53.5	41.6		54.3	40.9		54.4	41.0	
Sex												
Male	39.3	44.1	0.02	39.2	43.3	0.15	40.0	56.7	0.19	49.2	41.7	< 0.01
female	66.7	55.9		60.8	56.7		60.0	43.3		50.8	58.3	
Education												
≤ High school	67.5	56.3	< 0.01	68.4	58.1	< 0.01	70.2	57.3	< 0.01	70.4	57.4	< 0.01
> High school	32.5	43.7		31.6	41.9		29.8	42.7		29.6	42.6	
Body mass index (kg/m²)												
< 25	47.7	65.8	< 0.01	63.6	40.3	< 0.01	44.4	63.9	< 0.01	54.2	62.0	< 0.01
25-29	42.9	30.4		32.0	47.7		44.4	31.8		36.2	33.4	
≥ 30	9.5	3.8		4.4	12.0		11.2	4.3		9.6	4.6	
Exercise regularly												
No	53.9	60.8	< 0.01	53.5	59.6	0.03	53.8	59.8	0.02	54.4	59.7	0.04
Yes	46.1	39.2		46.5	40.4		46.2	40.2		45.6	40.3	
Smoking status												
Never	69.6	64.2	< 0.01	71.1	65.0		68.7	65.2	0.15	62.2	66.3	0.09
Current/Former	30.4	35.8		28.9	35.0		31.3	34.8		37.8	33.7	
Comorbidity												
No	67.2	72.3	< 0.01	60.5	73.3	< 0.01	64.5	73.2	< 0.01	61.5	72.6	< 0.01
Yes	32.8	27.7		34.5	26.7		35.5	26.8		38.5	27.4	
TNM stage												
Stage I	20.8	18.2	0.08	19.3	18.9	0.84	18.2	19.1	0.78	17.8	19.1	0.79
Stage II	25.5	23.9		26.3	24.0		24.7	24.3		24.6	24.3	
Stage III	15.1	15.9		15.8	15.7		15.3	15.8		16.9	15.5	
Stage IV	13.8	17.7		14.9	16.9		15.3	16.8		15.3	16.9	
Unknown	24.8	24.3		23.7	24.5		26.5	24.0		25.1	24.2	

Chemotherapy												
No	30.9	28.4	0.19	31.9	28.6	0.23	33.5	28.2	0.02	33.9	28.2	0.02
Yes	69.1	71.6		68.1	71.4		66.5	71.8		66.1	71.8	
Radiotherapy												
No	88.4	87.4	0.47	87.6	88.0	0.84	88.2	87.5	0.70	89.8	87.3	0.15
Yes	11.6	12.6		12.4	12.0		11.8	12.5		10.2	12.7	
Surgery												
No	23.3	27.8	0.02	25.4	26.7	0.62	26.0	26.7	0.79	24.6	26.9	0.32
Yes	76.7	72.2		74.6	73.3		74.0	73.4		75.4	73.1	

p-value derived from chi-square test.