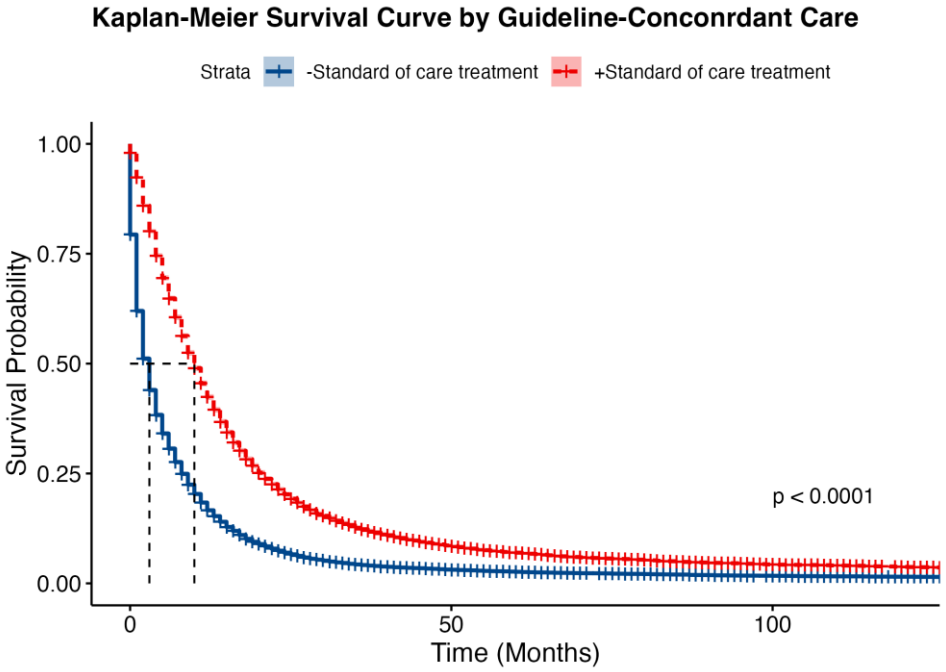
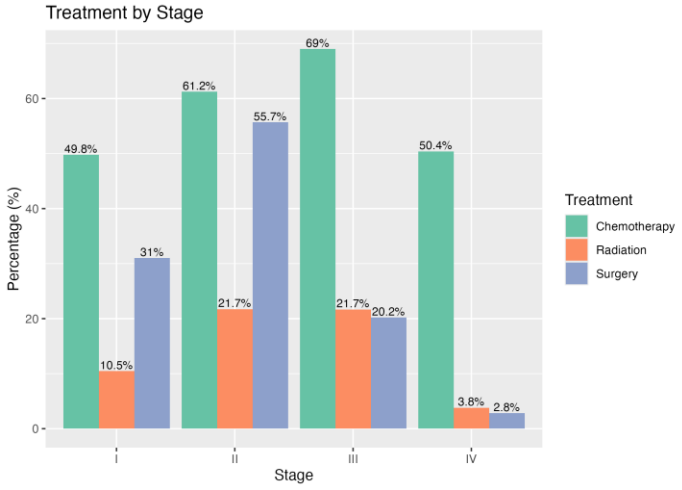
Supplementary Materials:



Supplementary Figure S1. Kaplan–Meier survival curves for patients receiving GCC. This Kaplan–Meier survival analysis compares the survival probabilities over time for pancreatic cancer patients based on whether they received GCC. Patients who received care adhering to guidelines (red line) consistently demonstrated higher survival probabilities compared to those who did not (blue line).



Supplementary Figure S2. Stage-specific treatment patterns for patients with PDAC. The predominant treatment for patients with stage 1 or 2 PDAC was chemotherapy followed by surgery, while chemotherapy followed by radiotherapy was more commonly administered to those with stage 3 and 4 disease.

Supplementary Table S1. Cox proportional hazards analysis of nature of treatment's association with overall survival in patients with stage 1 PDAC.

Variable	HR 1	95% CI 2	p-Value
Age	1.02	1.01–1.02	<0.0001
Sex(female)	0.94	0.88–1.01	0.092
Race			
White	—	—	
Asian	0.92	0.82–1.03	0.14
Black	1.07	0.94–1.23	0.31
Hispanic	1.00	0.91–1.11	0.97
Other	0.93	0.57–1.52	0.77
Insurance			
Private	—	—	
Medicare	1.02	0.94–1.10	0.71
No Insurance	1.03	0.72–1.48	0.86
Other	1.00	0.80–1.24	0.97
Location of Residence			
Metropolitan	—	—	
Micropolitan	1.02	0.85–1.23	0.79
Small Town	1.52	1.07–2.16	0.018
Rural Areas	1.05	0.76–1.45	0.77
CD Index			
0	—	—	
1	1.16	1.06–1.27	0.0020
>2	1.37	1.26–1.49	<0.0001
Surgery			
no	—	—	
yes	0.22	0.20–0.25	<0.0001
Chemotherapy			
no	—	—	
yes	0.67	0.62–0.72	<0.0001
Radiation			
no	—	—	
yes	0.91	0.82–1.01	0.089

1 HR = Hazard Ratio; 2 CI = Confidence Interval; CD Index = Charlson–Deyo Comorbidity Index.

Supplementary Table S2. Multivariable Analysis of factors associated with not having surgery in the initial treatment plan in patients with stage 1 PDAC.

Variable	OR 1	95% CI 1	p-Value
Age	1.04	1.03–1.05	<0.001
Sex (female)	0.88	0.78–1.00	0.057
Race			
White	—	—	
Asian	0.93	0.76–1.13	0.45
Black	1.46	1.14–1.89	0.003
Hispanic	1.05	0.88–1.26	0.60
Other	1.05	0.44–2.53	0.92
Insurance			
Private	—	—	
Medicare	1.08	0.94–1.26	0.27
No Insurance	1.64	0.83–3.33	0.16
Other	1.02	0.70–1.50	0.91

CD Index			
0	—	—	
1	1.26	1.07–1.49	0.007
>2	1.43	1.23–1.66	<0.001
Location of Residence			
Metropolitan	—	—	
Micropolitan	0.90	0.65–1.24	0.51
Small Town	1.30	0.66–2.64	0.46
Rural Areas	1.00	0.56–1.82	>0.99

1 Or = Odds Ratio; CI = Confidence Interval; CD Index = Charlson–Deyo Comorbidity Index.

Supplementary Table S3. Multivariable analysis of factors associated with refusing surgery in patients with Stage 1 PDAC.

Variable	OR1	95% CI1	p-Value
Age	1.06	1.04–1.08	<0.001
Sex (female)	1.21	0.89–1.65	0.23
Race			
White	—	—	
Asian	0.86	0.51–1.37	0.55
Black	0.73	0.34–1.40	0.39
Hispanic	1.12	0.71–1.69	0.62
Other	0.00		0.99
Insurance			
Private	—	—	
Medicare	1.13	0.79–1.66	0.52
No Insurance	1.93	0.30–6.85	0.39
Other	1.11	0.33–2.87	0.84
CD Index			
0	—	—	
1	0.84	0.56–1.26	0.41
>2	0.84	0.59–1.20	0.33
Location of Residence			
Metropolitan	—	—	
Micropolitan	0.28	0.05–0.91	0.08
Small Town	0.00	0.00–1,048,484	0.98
Rural Areas	0.39	0.02–1.85	0.36

1 Or = Odds Ratio; CI = Confidence Interval; CD Index = Charlson–Deyo Comorbidity Index.