

Supplementary Table S1. ICD9 and ICD 10 codes

Type of cancer	ICD 9	ICD 10
liver	155.0, 155.1	C22.0, C22.1, C22.2, C22.3, C22.4, C22.7, C22.8, C22.9
Gallbladder and extrahepatic biliary tract	156.1, 156.8, 156.9	C23.0, C24.0, C24.8, C24.9
Pancreas	157.0, 157.1, 157.2, 157.3, 157.4, 158.8, 157.9	C25.0, C25.1, C25.2, C25.3, C25.4, C25.7, C25.8, C25.9
Colorectal	153.3, 153.4, 153.5, 153.6, 153.7, 153.8, 153.9, 154.0, 154.1, 154.2, 154.3, 154.8	C18.0, C18.1, C18.2, C18.3, C18.4, C18.5, C18.6, C18.7, C18.8, C18.9, C19, C20
Breast	174.1, 175.0, 175.9 174.2, 174.3, 174.4, 174.5, 174.6, 174.8, 174.9, 233.0, 174.0,	C50, C50.0, C50.01, C50.011, C50.012, C50.019, C50.02, C50.021, C50.022, C50.029, C50.11, C50.111, C50.112, C50.119, C50.12, C50.121, C50.122, C50.129, C50.2, C50.21, C50.211, C50.212, C50.219, C50.22, C50.221, C50.222, C50.229, C50.3, C50.31, C50.311, C50.312, C50.319, C50.32, C50.321, C50.322, C50.329, C50.4, C50.41, C50.411, C50.412, C50.419, C50.42, C50.421, C50.422, C50.429, C50.5, C50.51, C50.511, C50.512, C50.519, C50.52 B, C50.521, C50.522, C50.529, C50.6, C50.61, C50.611, C50.619, C50.62, C50.621, C50.622, C50.629, C50.8, C50.81, C50.811, C50.812, C50.819, C50.82, C50.821, C50.822, C50.829, C50.9, C50.91, C50.911, C50.912, C50.919, C50.92, C50.921, C50.922, C50.929, D05.90
Lung	162, 162.0, 162.2, 162.3, 162.5, 162.8, 162.9	C34.0, C34.00, C34.01, 34.02, C34.1, C34.10, C34.80, C34.90, C34.11, C34.12, C34.2, C34.3, C34.30, C34.31, C34.32, C34.8, C34.81, C34.82, C34.9, C34.90, C34.91, C34.92

Supplementary Table S2. Short-term outcomes among patients with and without IDD.

Outcomes	Total n=500,472	Without IDD n=496,146	IDD n=4,326	p-value
Discharge location				
HHC	120,321 (24.0%)	119,353 (24.1%)	968 (22.4%)	< 0.001
Home	266,813 (53.3%)	265,331 (53.5%)	1,482 (34.3%)	
SNF	80,965 (16.2%)	79,735 (16.1%)	1,230 (28.4%)	
Other	32,373 (6.5%)	31,727 (6.4%)	646 (14.9%)	
Length of stay*	6 (4, 9)	6 (3, 9)	8 (4, 13)	< 0.001
Median (IQR)				
Complications within 90-days of IS				
No	430,356 (86.0%)	426,745 (86.0%)	3,611 (83.5%)	< 0.001
Yes	70,116 (14.0%)	69,401 (14.0%)	715 (16.5%)	
Type of surgery				
Elective	357,142 (71.4%)	354,681 (71.5%)	2,461 (56.9%)	< 0.001
Urgent	143,330 (28.6%)	141,465 (28.5%)	1,865 (43.1%)	
Chemotherapy				
No	172,172 (34.4%)	170,942 (34.5%)	1,230 (28.4%)	< 0.001
Yes	328,300 (65.6%)	325,204 (65.5%)	3,096 (71.6%)	
Radiotherapy				
No	419,938 (83.9%)	416,117 (83.9%)	3,821 (88.3%)	< 0.001
Yes	80,534 (16.1%)	80,029 (16.1%)	505 (11.7%)	

* reported with median and interquartile range (IQR); percentages are presented in columns

IDD: intellectual and developmental disability; CCI: Charlson Comorbidity Index; IS: Surgical index; HHC: Home Health Care; SNF: Skilled Nursing Facility.

Statistical significance: $p < 0.05$.

Supplementary Table S3. 1-, 3- and 5- year mortality among patients with and without IDD.

Survival			
Mortality	HR	95% CI	p-value
1 yr	1.72	1.61-1.84	< 0.001
3 yr	1.59	1.51-1.67	< 0.001
5 yr	1.57	1.50-1.64	< 0.001

OR: Odds Ratio; HR: Hazard Ratio, CI: Confidence Interval. IDD: intellectual and developmental disability

Statistical significance: $p < 0.05$.

Supplementary Methods

To choose the appropriate distribution for modelling the expenditure data, the Weibull, log-normal, log-logistic, exponential, and gamma distributions were compared using the Akaike information criterion (AIC) and Bayesian information criterion (BIC); in turn, the gamma distribution with log link was chosen to be the best fitting model based on its lowest AIC and BIC. The cox-PH model was deemed appropriate for the 1-, 3- and 5- year mortality outcomes as it handles censored data. A key assumption of the Cox-PH is the assumption of proportional hazard overtime. The PH assumption was assessed using Schoenfeld residuals, and there was no evidence of violation of the PH-assumption for all the covariates in the 3 models.

Table S1: Multivariable analysis of complications at index surgery for patients with IDD

	OR	95% CI	
		Lower	Upper
IDD	1.53	1.43	1.64
Male	1.43	1.41	1.45
Racial Minority	1.15	1.12	1.17
Age (1 unit increase)	1.01	1.01	1.01
Moderate SVI (ref= low SVI)	1.03	1.01	1.05
High SVI (ref= low SVI)	1.07	1.05	1.09
Region-Midwest (ref=West)	1.03	0.99	1.08
Region-Northwest (ref=West)	0.95	0.91	1.00
Region-South (ref=West)	1.03	0.99	1.07
Year - 2014 (ref=2020)	0.79	0.77	0.81
Year - 2015 (ref=2020)	0.89	0.86	0.91
Year - 2016 (ref=2020)	1.13	1.10	1.16
Year - 2017 (ref=2020)	1.12	1.09	1.15
Year - 2018 (ref=2020)	1.01	0.98	1.04
Year - 2019 (ref=2020)	0.98	0.95	1.01
Non metro (ref=Metro)	1.00	0.98	1.02
Teaching hospital	1.15	1.12	1.18
Charlson Comorbidity index >2	2.38	2.35	2.42
Cancer site -HPB (ref=CRC)	1.37	1.34	1.40
Cancer site -Breast (ref=CRC)	0.94	0.91	0.96
Cancer site -Lung (ref=CRC)	0.97	0.95	0.99
Hospital volume- average (ref= low)	0.95	0.92	0.99
Hospital volume- high (ref= low)	0.85	0.81	0.89
Emergency surgery	3.84	3.78	3.90

OR: odds ratio; CI: confidence interval; IDD: intellectual and developmental disabilities; SVI: social vulnerability index; ref: reference;

HPB: hepato-pancreatic biliary cancer; CRC-colorectal cancer.

Table S2: Multivariable analysis of LOS at index surgery for patients with IDD

	OR	95% CI	
		Lower	Upper
IDD	2.06	1.93	2.21
Male	1.20	1.18	1.22
Racial Minority	1.11	1.09	1.14
Age (1 unit increase)	1.01	1.01	1.01
Moderate SVI (ref= low SVI)	1.05	1.02	1.07
High SVI (ref= low SVI)	1.09	1.06	1.11
Region-Midwest (ref=West)	0.93	0.88	0.97
Region-Northwest (ref=West)	1.08	1.03	1.14
Region-South (ref=West)	1.06	1.01	1.10
Year - 2014 (ref=2020)	1.18	1.15	1.21
Year - 2015 (ref=2020)	1.19	1.15	1.22
Year - 2016 (ref=2020)	1.23	1.19	1.26
Year - 2017 (ref=2020)	1.14	1.11	1.18
Year - 2018 (ref=2020)	1.10	1.07	1.13
Year - 2019 (ref=2020)	1.03	1.00	1.06
Non metro (ref=Metro)	0.96	0.94	0.98
Teaching hospital	1.24	1.20	1.28
Charlson Comorbidity index >2	2.07	2.04	2.11
Cancer site -HPB (ref=CRC)	1.17	1.14	1.20
Cancer site -Breast (ref=CRC)	0.82	0.79	0.84
Cancer site -Lung (ref=CRC)	1.35	1.33	1.37
Hospital volume- average (ref= low)	1.13	1.08	1.18
Hospital volume- high (ref= low)	1.07	1.01	1.14
Emergency surgery	3.65	3.60	3.71

OR: odds ratio; CI: confidence interval; IDD: intellectual and developmental disabilities; SVI: social vulnerability index; ref: reference;
 HPB: hepato-pancreatic biliary cancer; CRC:colorectal cancer; LOS: length of hospital stay.

Table S3: Multivariable analysis of 90 days mortality for patients with IDD

	OR	95% CI	
		Lower	Upper
IDD	1.90	1.70	2.13
Male	1.39	1.35	1.42
Racial Minority	1.00	0.97	1.04
Age (1 unit increase)	1.05	1.05	1.06
Moderate SVI (ref= low SVI)	1.06	1.03	1.09
High SVI (ref= low SVI)	1.11	1.07	1.15
Region-Midwest (ref=West)	0.92	0.86	0.99
Region-Northwest (ref=West)	0.86	0.80	0.92
Region-South (ref=West)	1.14	1.08	1.22
Year - 2014 (ref=2020)	0.07	0.07	0.08

Year - 2015 (ref=2020)	0.08	0.08	0.09
Year - 2016 (ref=2020)	0.11	0.10	0.11
Year - 2017 (ref=2020)	0.14	0.13	0.15
Year - 2018 (ref=2020)	0.18	0.17	0.19
Year - 2019 (ref=2020)	0.29	0.28	0.30
Non metro (ref=Metro)	1.02	0.99	1.06
Teaching hospital	1.07	1.02	1.12
Charlson Comorbidity index >2	5.43	5.27	5.59
Cancer site -HPB (ref=CRC)	2.76	2.67	2.87
Cancer site -Breast (ref=CRC)	1.01	0.97	1.06
Cancer site -Lung (ref=CRC)	1.12	1.09	1.16
Hospital volume- average (ref= low)	0.84	0.79	0.89
Hospital volume- high (ref= low)	0.67	0.62	0.73
Emergency surgery	6.02	5.88	6.17

OR: odds ratio; CI: confidence interval; IDD: intellectual and developmental disabilities; SVI: social vulnerability index; ref: reference;
 HPB: hepato-pancreatic biliary cancer; CRC:colorectal cancer.

Table S4: Multivariable analysis of textbook outcome for patients with IDD

	OR	95% CI	
		Lower	Upper
IDD	0.50	0.46	0.53
Male	0.81	0.79	0.82
Racial Minority	1.04	1.02	1.06
Age (1 unit increase)	1.00	0.99	1.00
Moderate SVI (ref= low SVI)	0.98	0.96	1.00
High SVI (ref= low SVI)	0.98	0.96	1.00
Region-Midwest (ref=West)	0.86	0.82	0.91
Region-Northwest (ref=West)	0.86	0.81	0.91
Region-South (ref=West)	0.89	0.85	0.93
Year - 2014 (ref=2020)	0.05	0.05	0.05
Year - 2015 (ref=2020)	0.06	0.05	0.06
Year - 2016 (ref=2020)	0.06	0.06	0.06
Year - 2017 (ref=2020)	0.07	0.07	0.07
Year - 2018 (ref=2020)	0.10	0.10	0.10
Year - 2019 (ref=2020)	0.18	0.17	0.18
Non metro (ref=Metro)	0.89	0.87	0.91
Teaching hospital	0.81	0.78	0.84
Charlson Comorbidity index >2	0.52	0.51	0.52
Cancer site -HPB (ref=CRC)	0.72	0.70	0.74
Cancer site -Breast (ref=CRC)	0.97	0.94	1.00
Cancer site -Lung (ref=CRC)	0.91	0.89	0.92
Hospital volume- average (ref= low)	0.98	0.93	1.02

Hospital volume- high (ref= low)	1.01	0.94	1.08
Emergency surgery	0.25	0.25	0.26

OR: odds ratio; CI: confidence interval; IDD: intellectual and developmental disabilities; SVI: social vulnerability index: ref: reference.

HPB: hepato-pancreatic biliary cancer; CRC:colorectal cancer.

Table S5: Multivariable analysis of emergency surgery for patients with IDD

	OR	95% CI	
		Lower	Upper
IDD	2.09	1.96	2.24
Male	1.00	0.98	1.01
Racial Minority	1.32	1.29	1.34
Age (1 unit increase)	1.03	1.03	1.03
Moderate SVI (ref= low SVI)	1.08	1.06	1.10
High SVI (ref= low SVI)	1.16	1.13	1.19
Region-Midwest (ref=West)	1.12	1.05	1.21
Region-Northwest (ref=West)	1.29	1.19	1.40
Region-South (ref=West)	1.09	1.02	1.17
Year - 2014 (ref=2020)	0.68	0.66	0.70
Year - 2015 (ref=2020)	0.75	0.73	0.77
Year - 2016 (ref=2020)	0.96	0.93	0.98
Year - 2017 (ref=2020)	0.96	0.93	0.98
Year - 2018 (ref=2020)	0.97	0.95	1.00
Year - 2019 (ref=2020)	0.96	0.93	0.99
Non metro (ref=Metro)	0.86	0.84	0.88
Teaching hospital	1.06	1.01	1.10
Charlson Comorbidity index >2	1.66	1.64	1.69
Cancer site -HPB (ref=CRC)	1.16	1.13	1.19
Cancer site -Breast (ref=CRC)	1.48	1.45	1.52
Cancer site -Lung (ref=CRC)	0.37	0.36	0.38
Hospital volume- average (ref= low)	0.70	0.64	0.77
Hospital volume- high (ref= low)	0.43	0.37	0.49

OR: odds ratio; CI: confidence interval; IDD: intellectual and developmental disabilities; SVI: social vulnerability index: ref: reference;

HPB: hepato-pancreatic biliary cancer; CRC:colorectal cancer.

Table S6: Multivariable analysis of discharge to home for patients with IDD

	OR	95% CI	
		Lower	Upper
IDD	0.24	0.23	0.26
Male	1.14	1.13	1.16
Racial Minority	0.91	0.90	0.93
Age (1 unit increase)	0.95	0.95	0.95
Moderate SVI (ref= low SVI)	0.96	0.94	0.98

High SVI (ref= low SVI)	0.94	0.92	0.96
Region-Midwest (ref=West)	0.84	0.80	0.88
Region-Northwest (ref=West)	0.61	0.58	0.65
Region-South (ref=West)	0.81	0.77	0.85
Year - 2014 (ref=2020)	1.09	1.06	1.11
Year - 2015 (ref=2020)	1.05	1.02	1.07
Year - 2016 (ref=2020)	1.02	0.99	1.04
Year - 2017 (ref=2020)	0.99	0.97	1.02
Year - 2018 (ref=2020)	1.00	0.97	1.02
Year - 2019 (ref=2020)	1.01	0.98	1.03
Non metro (ref=Metro)	1.00	0.98	1.02
Teaching hospital	0.82	0.79	0.84
Charlson Comorbidity index >2	0.48	0.48	0.49
Cancer site -HPB (ref=CRC)	0.77	0.76	0.79
Cancer site -Breast (ref=CRC)	1.18	1.15	1.21
Cancer site -Lung (ref=CRC)	1.19	1.17	1.21
Hospital volume- average (ref= low)	0.99	0.94	1.04
Hospital volume- high (ref= low)	1.04	0.97	1.13
Emergency surgery	0.42	0.41	0.43

OR: odds ratio; CI: confidence interval; IDD: intellectual and developmental disabilities; SVI: social vulnerability index: ref: reference;

HPB: hepato-pancreatic biliary cancer; CRC-colorectal cancer.

Table S7: Multivariable analysis of discharge to SNF for patients with IDD

	OR	95% CI	
		Lower	Upper
IDD	4.28	3.97	4.62
Male	0.77	0.76	0.79
Racial Minority	1.02	1.00	1.05
Age (1 unit increase)	1.07	1.07	1.07
Moderate SVI (ref= low SVI)	1.04	1.02	1.06
High SVI (ref= low SVI)	1.06	1.04	1.09
Region-Midwest (ref=West)	1.29	1.23	1.36
Region-Northwest (ref=West)	1.42	1.34	1.50
Region-South (ref=West)	1.10	1.04	1.15
Year - 2014 (ref=2020)	1.20	1.16	1.25
Year - 2015 (ref=2020)	1.33	1.28	1.37
Year - 2016 (ref=2020)	1.42	1.37	1.47
Year - 2017 (ref=2020)	1.44	1.39	1.49
Year - 2018 (ref=2020)	1.41	1.36	1.46

Year - 2019 (ref=2020)	1.39	1.34	1.44
Non metro (ref=Metro)	0.84	0.82	0.86
Teaching hospital	1.19	1.15	1.23
Charlson Comorbidity index >2	1.98	1.95	2.02
Cancer site -HPB (ref=CRC)	1.15	1.11	1.18
Cancer site -Breast (ref=CRC)	0.72	0.69	0.74
Cancer site -Lung (ref=CRC)	0.71	0.70	0.73
Hospital volume- average (ref= low)	0.96	0.92	1.00
Hospital volume- high (ref= low)	0.83	0.78	0.89
Emergency surgery	2.32	2.28	2.36

OR: odds ratio; CI: confidence interval; IDD: intellectual and developmental disabilities; SNF: skilled nursing facility; SVI: social vulnerability index: ref: reference;
 HPB: hepato-pancreatic biliary cancer; CRC-colorectal cancer

Table S8: Multivariable analysis of time to 1-year mortality for patients with IDD

	HR	95% CI	
		Lower	Upper
IDD	1.64	1.54	1.76
Male	1.18	1.16	1.19
Racial Minority	1.06	1.04	1.08
Age (1 unit increase)	1.04	1.03	1.04
Moderate SVI (ref= low SVI)	1.05	1.04	1.07
High SVI (ref= low SVI)	1.12	1.10	1.14
Region-Midwest (ref=West)	1.04	1.02	1.06
Region-Northwest (ref=West)	0.97	0.95	0.99
Region-South (ref=West)	1.18	1.16	1.20
Year - 2014 (ref=2020)	0.59	0.57	0.60
Year - 2015 (ref=2020)	0.61	0.59	0.63
Year - 2016 (ref=2020)	0.69	0.67	0.71
Year - 2017 (ref=2020)	0.70	0.68	0.73
Year - 2018 (ref=2020)	0.72	0.70	0.74
Year - 2019 (ref=2020)	0.77	0.75	0.79
Non metro (ref=Metro)	1.02	1.00	1.03
Teaching hospital	1.03	1.02	1.05
Charlson Comorbidity index >2	2.83	2.78	2.88
Cancer site -HPB (ref=CRC)	2.12	2.08	2.16
Cancer site -Breast (ref=CRC)	1.09	1.06	1.12
Cancer site -Lung (ref=CRC)	0.85	0.84	0.87
Hospital volume- average (ref= low)	0.84	0.83	0.85
Hospital volume- high (ref= low)	0.68	0.67	0.69

HR: hazard ratio; CI: confidence interval; IDD: intellectual and developmental disabilities; SNF: skilled nursing facility; SVI: social vulnerability index: ref: reference; HPB: hepato-pancreatic biliary cancer; CRC-colorectal cancer

Table S9: Multivariable analysis of 3-year mortality for patients with IDD

	HR	95% CI	
		Lower	Upper
IDD	1.53	1.46	1.61
Male	1.19	1.18	1.21
Racial Minority	1.09	1.07	1.10
Age (1 unit increase)	1.03	1.03	1.03
Moderate SVI (ref= low SVI)	1.05	1.04	1.06
High SVI (ref= low SVI)	1.11	1.09	1.12
Region-Midwest (ref=West)	1.04	1.02	1.06
Region-Northwest (ref=West)	0.99	0.97	1.01
Region-South (ref=West)	1.15	1.13	1.17
Year - 2014 (ref=2020)	0.58	0.56	0.59
Year - 2015 (ref=2020)	0.60	0.59	0.62
Year - 2016 (ref=2020)	0.67	0.65	0.68
Year - 2017 (ref=2020)	0.71	0.69	0.73
Year - 2018 (ref=2020)	0.77	0.75	0.79
Year - 2019 (ref=2020)	0.82	0.80	0.84
Non metro (ref=Metro)	1.01	0.99	1.02
Teaching hospital	1.02	1.01	1.04
Charlson Comorbidity index >2	2.31	2.28	2.34
Cancer site -HPB (ref=CRC)	2.26	2.23	2.29
Cancer site -Breast (ref=CRC)	1.04	1.02	1.06
Cancer site -Lung (ref=CRC)	0.93	0.91	0.94
Hospital volume- average (ref= low)	0.87	0.86	0.88
Hospital volume- high (ref= low)	0.74	0.73	0.75

HR: hazard ratio; CI: confidence interval; IDD: intellectual and developmental disabilities; SNF: skilled nursing facility; SVI: social vulnerability index: ref: reference; HPB: hepato-pancreatic biliary cancer; CRC=colorectal cancer

Table S10: Multivariable analysis of time to 5-year mortality for patients with IDD

	HR	95% CI	
		Lower	Upper
IDD	1.52	1.45	1.59
Male	1.21	1.20	1.22
Racial Minority	1.09	1.08	1.11
Age (1 unit increase)	1.03	1.03	1.03

Moderate SVI (ref= low SVI)	1.05	1.03	1.06
High SVI (ref= low SVI)	1.11	1.09	1.12
Region-Midwest (ref=West)	1.05	1.03	1.06
Region-Northwest (ref=West)	1.00	0.99	1.02
Region-South (ref=West)	1.15	1.13	1.16
Year - 2014 (ref=2020)	0.55	0.54	0.57
Year - 2015 (ref=2020)	0.59	0.57	0.61
Year - 2016 (ref=2020)	0.68	0.66	0.70
Year - 2017 (ref=2020)	0.72	0.71	0.74
Year - 2018 (ref=2020)	0.77	0.75	0.79
Year - 2019 (ref=2020)	0.82	0.80	0.84
Non metro (ref=Metro)	1.00	0.99	1.01
Teaching hospital	1.02	1.01	1.03
Charlson Comorbidity index >2	2.16	2.14	2.18
Cancer site -HPB (ref=CRC)	2.22	2.19	2.25
Cancer site -Breast (ref=CRC)	1.02	1.00	1.03
Cancer site -Lung (ref=CRC)	0.96	0.95	0.97
Hospital volume- average (ref= low)	0.88	0.87	0.89
Hospital volume- high (ref= low)	0.75	0.74	0.76

HR: hazard ratio; CI: confidence interval; IDD: intellectual and developmental disabilities; SNF: skilled nursing facility; SVI: social vulnerability index: ref: reference; HPB: hepato-pancreatic biliary cancer; CRC:colorectal cancer

Table S11: Multivariable analysis of expenditure of index surgery for patients with IDD

	Percentage difference	95% CI	
		Lower	Upper
IDD	7.36	4.07	10.75
Male	7.23	6.87	7.6
Racial Minority	0	-0.02	0.02
Age (1 unit increase)	0.19	-0.29	0.67
Moderate SVI (ref= low SVI)	0.03	-0.51	0.58
High SVI (ref= low SVI)	1.01	0.45	1.58
Region-Midwest (ref=West)	-0.12	-1.83	1.61
Region-Northwest (ref=West)	-1.17	-3.04	0.74
Region-South (ref=West)	1.46	-0.19	3.13
Year - 2014 (ref=2020)	1.33	0.68	1.99
Year - 2015 (ref=2020)	1.64	0.98	2.29
Year - 2016 (ref=2020)	-0.13	-0.78	0.52
Year - 2017 (ref=2020)	-2.01	-2.65	-1.37
Year - 2018 (ref=2020)	-3.63	-4.27	-3
Year - 2019 (ref=2020)	-2.94	-3.58	-2.3
Non metro (ref=Metro)	1.9	1.38	2.42

Teaching hospital	16.71	15.42	18.02
Charlson Comorbidity index >2	28.57	28.14	29
Cancer site -HPB (ref=CRC)	29.78	29.03	30.53
Cancer site -Breast (ref=CRC)	-34.1	-34.54	-33.66
Cancer site -Lung (ref=CRC)	1.94	1.53	2.36
Hospital volume- average (ref= low)	-0.65	-2.97	1.72
Hospital volume- high (ref= low)	4	0.36	7.77
Emergency surgery	33.04	32.51	33.57

HR: hazard ratio; CI: confidence interval; IDD: intellectual and developmental disabilities; SNF: skilled nursing facility; SVI: social vulnerability index: ref: reference; HPB: hepato-pancreatic biliary cancer; CRC-colorectal cancer

Table S11: Multivariable analysis of receipt of chemotherapy for patients with IDD

	OR	95% CI	
		Lower	Upper
IDD	1.47	1.35	1.60
Male	0.90	0.89	0.91
Racial Minority	1.05	1.02	1.07
Age (1 unit increase)	1.00	1.00	1.00
Moderate SVI (ref= low SVI)	1.04	1.02	1.07
High SVI (ref= low SVI)	0.98	0.96	1.00
Region-Midwest (ref=West)	1.21	1.14	1.29
Region-Northwest (ref=West)	0.95	0.88	1.01
Region-South (ref=West)	1.00	0.94	1.06
Year - 2014 (ref=2020)	0.07	0.07	0.08
Year - 2015 (ref=2020)	0.09	0.09	0.10
Year - 2016 (ref=2020)	0.12	0.12	0.12
Year - 2017 (ref=2020)	0.14	0.14	0.15
Year - 2018 (ref=2020)	0.17	0.17	0.18
Year - 2019 (ref=2020)	0.25	0.24	0.26
Non metro (ref=Metro)	1.94	1.90	1.99
Teaching hospital	1.15	1.11	1.20
Charlson Comorbidity index >2	2.41	2.37	2.44
Cancer site -HPB (ref=CRC)	2.73	2.66	2.81
Cancer site -Breast (ref=CRC)	1.22	1.19	1.26
Cancer site -Lung (ref=CRC)	0.94	0.93	0.96
Hospital volume- average (ref= low)	0.77	0.72	0.82
Hospital volume- high (ref= low)	0.76	0.69	0.83
Emergency surgery	1.47	1.35	1.60

HR: hazard ratio; CI: confidence interval; IDD: intellectual and developmental disabilities; SNF: skilled nursing facility; SVI: social vulnerability index: ref: reference; HPB: hepato-pancreatic biliary cancer; CRC-colorectal cancer