

Table S1 Overall and Census region age-adjusted mortality rate per 100,000 due to colorectal cancer from 1999–2022

Year	Overall	Northeast	Midwest	South	West
1999	55.60	60.90	59.27	53.95	48.58
2000	55.10	59.38	58.02	54.54	48.33
2001	53.30	56.88	56.57	52.53	47.19
2002	52.40	56.06	55.05	52.25	45.74
2003	50.40	53.28	53.17	49.59	45.80
2004	47.20	49.24	49.47	47.37	42.29
2005	46.00	46.84	48.12	46.53	41.68
2006	45.30	45.88	48.11	45.79	40.94
2007	44.40	44.40	46.84	45.46	39.66
2008	43.00	43.42	45.76	43.70	38.38
2009	41.20	41.64	42.81	42.31	37.25
2010	40.40	40.3	42.27	41.33	36.78
2011	39.20	37.98	41.52	40.18	35.96
2012	38.00	37.07	39.31	39.42	34.75
2013	37.10	35.41	39.21	38.80	33.79
2014	36.00	34.01	38.00	37.87	32.58
2015	35.70	34.09	37.08	37.70	32.24
2016	35.10	33.33	36.29	37.18	31.72
2017	34.50	32.23	35.87	36.53	31.58
2018	33.70	31.04	35.54	36.05	30.33
2019	33.00	29.59	34.53	35.54	29.89
2020	33.20	30.54	34.79	35.44	30.23
2021	33.70	29.21	35.17	36.65	31.19
2022	33.3	28.78	34.36	36.45	30.96

Table S2 Gender and region-stratified age-adjusted mortality rate per 100,000 due to colorectal cancer from 1999–2022

Year	Northeast Females	Northeast Males	Midwest Females	Midwest Males	South Females	South Males	West Females	West Males
1999	49.77	76.25	48.50	73.58	43.53	67.59	39.18	60.32
2000	47.92	74.89	47.23	72.43	44.00	68.23	39.48	59.33
2001	47.04	70.23	46.27	70.05	42.52	65.36	38.50	57.80
2002	45.40	70.55	44.47	68.53	42.10	65.14	37.50	55.67
2003	43.71	66.07	42.96	66.41	39.75	62.10	37.63	55.65
2004	40.26	61.07	40.18	61.37	38.16	58.98	34.69	51.48
2005	38.75	57.57	38.93	59.68	36.75	58.80	33.95	50.95
2006	37.84	56.59	40.18	58.22	36.74	56.96	33.43	50.00
2007	36.94	54.05	38.39	57.34	36.60	56.33	32.36	48.30
2008	35.54	53.47	36.88	56.70	35.09	54.22	31.77	46.22
2009	34.16	51.40	34.53	52.90	33.64	52.79	30.72	44.97
2010	33.12	49.33	34.2	52.25	32.81	51.50	30.08	44.65
2011	31.33	46.31	33.58	51.04	32.48	49.41	29.82	43.11
2012	31.14	44.40	32.04	47.95	31.13	49.29	28.10	42.48
2013	29.43	42.69	31.8	48.06	30.47	48.70	27.76	40.59
2014	27.77	41.55	31.38	45.76	30.07	47.04	26.33	39.70
2015	28.32	41.01	30.59	44.62	29.93	46.93	26.57	38.69
2016	27.89	39.91	29.82	43.78	29.24	46.47	25.90	38.26
2017	26.37	39.24	29.31	43.53	28.93	45.37	25.87	37.97
2018	25.22	38.04	29.10	42.83	28.35	45.04	24.26	37.13
2019	23.70	36.64	27.50	42.55	28.27	43.94	24.41	36.00
2020	24.71	37.37	27.76	42.82	27.64	44.46	24.17	37.06
2021	24.25	34.92	28.39	42.81	28.97	45.45	25.58	37.41
2022	23.74	34.55	27.36	42.13	29.02	44.92	25.43	37.09

Table S3 Region and race-stratified age-adjusted mortality rate for Asian and Pacific Islander people per 100,000 due to colorectal cancer from 1999–2022

Year	Northeast Asian or Pacific Islander	Midwest Asian or Pacific Islander	South Asian or Pacific Islander	West Asian or Pacific Islander
1999	25.50	22.66	24.93	34.05
2000	26.22	28.31	29.97	35.88
2001	26.22	32.38	32.02	37.42
2002	22.69	36.66	24.69	36.36
2003	23.40	23.6	23.57	35.66
2004	21.35	18.68	21.10	33.10
2005	25.98	24.35	22.73	32.96
2006	23.24	29.71	23.49	30.58
2007	23.59	23.00	23.47	30.93
2008	28.00	22.76	24.16	29.28
2009	22.25	21.87	21.41	28.93
2010	22.32	26.7	25.54	29.83
2011	22.71	24.61	20.97	29.92
2012	21.85	24.23	20.13	29.42
2013	20.70	22.82	17.41	27.92
2014	18.22	19.63	19.82	26.43
2015	19.54	24.75	21.58	26.41
2016	17.47	20.96	20.77	26.25
2017	20.13	20.52	19.16	26.11
2018	17.26	17.49	20.91	24.37
2019	17.02	18.62	19.4	24.74
2020	19.34	19.84	21.45	25.04
2021	18.27	20.64	21.83	26.27
2022	20.39	21.60	22.00	25.64

Table S4 Region and race-stratified age-adjusted mortality rate for Black or African American people per 100,000 due to colorectal cancer from 1999–2022

Year	Northeast Black or African American	Midwest Black or African American	South Black or African American	West Black or African American
1999	73.78	81.03	78.38	74.08
2000	69.26	82.42	77.10	70.60
2001	69.44	78.86	75.23	80.27
2002	65.69	79.47	74.42	66.22
2003	63.43	75.47	71.51	67.58
2004	59.69	69.02	67.01	63.65
2005	57.07	71.69	68.14	65.43
2006	58.39	70.35	65.88	58.91
2007	54.74	66.11	64.96	60.37
2008	52.71	63.75	62.48	58.71
2009	53.08	62.50	59.05	59.38
2010	49.03	58.30	59.81	54.97
2011	48.69	55.63	57.01	56.55
2012	46.91	55.23	53.86	52.82
2013	43.85	55.43	52.01	48.62
2014	40.25	53.22	51.11	46.81
2015	40.48	50.84	50.82	46.01
2016	40.09	52.10	51.33	41.26
2017	36.75	53.23	48.84	44.02
2018	38.17	49.56	46.61	43.52
2019	35.50	46.15	46.75	38.47
2020	37.38	44.58	46.51	42.92
2021	34.22	46.79	46.79	42.66
2022	33.41	46.45	44.75	41.54

Table S5 Region and race-stratified age-adjusted mortality rate for White people per 100,000 due to colorectal cancer from 1999–2022

Year	Northeast White	Midwest White	South White	West White
1999	60.53	57.89	50.56	49.00
2000	59.19	56.43	51.42	48.67
2001	56.51	55.06	49.40	46.85
2002	56.05	53.36	49.22	45.85
2003	53.04	51.67	46.55	46.03
2004	49.03	48.28	44.74	42.34
2005	46.50	46.45	43.47	41.73
2006	45.48	46.48	42.99	41.41
2007	44.10	45.50	42.72	39.87
2008	43.08	44.52	41.02	38.50
2009	41.22	41.43	39.96	37.30
2010	40.18	41.20	38.50	36.72
2011	37.60	40.53	37.72	35.71
2012	36.78	38.11	37.39	34.56
2013	35.22	37.99	37.13	33.79
2014	34.17	36.94	35.93	32.69
2015	34.19	36.09	35.85	32.37
2016	33.46	35.26	35.04	32.06
2017	32.51	34.58	34.83	31.69
2018	31.11	34.68	34.66	30.52
2019	29.76	33.85	33.92	30.21
2020	30.41	34.27	33.90	30.28
2021	29.68	34.66	35.57	31.37
2022	29.19	33.87	35.84	31.24

Table S6 Region and race-stratified age-adjusted mortality rate for American Indian or Native Alaska people per 100,000 due to colorectal cancer from 1999–2022

Year	Northeast American Indian or Alaska Native	Midwest American Indian or Alaska Native	South American Indian or Alaska Native	West American Indian or Alaska Native
1999	Unreliable	57.51	40.01	32.52
2000	Unreliable	50.69	36.85	35.37
2001	Unreliable	45.27	35.62	34.70
2002	Unreliable	47.14	40.42	44.41
2003	Unreliable	62.02	27.48	31.13
2004	Unreliable	42.41	31.90	36.74
2005	Unreliable	49.56	32.58	31.11
2006	Unreliable	47.05	38.63	31.17
2007	Unreliable	44.17	26.39	32.51
2008	Unreliable	59.42	31.68	40.36
2009	Unreliable	51.29	34.43	34.02
2010	Unreliable	33.77	31.37	36.45
2011	Unreliable	41.21	30.87	34.28
2012	Unreliable	46.61	30.46	34.06
2013	Unreliable	58.74	31.51	32.26
2014	Unreliable	42.73	30.69	28.27
2015	Unreliable	30.16	26.24	32.56
2016	Unreliable	23.08	30.08	28.10
2017	Unreliable	40.36	30.48	32.36
2018	Unreliable	33.88	25.46	29.81
2019	Unreliable	39.32	26.45	26.95
2020	Unreliable	37.71	24.81	29.28
2021	Unreliable	31.90	27.27	31.54
2022	Unreliable	22.40	23.15	32.67

Table S7 State-stratified age-adjusted mortality rate per 100,000 due to colorectal cancer in 1999, 2019, 2021, and 2022

State	1999	2019	2021	2022
Alabama	48.86	36.8	41.08	40.59
Alaska	49.94	35.69	35.93	31.23
Arizona	44.99	29.22	34.02	31.53
Arkansas	55.17	43.73	46.87	42.55
California	49.37	29.74	31.2	30.64
Colorado	47.35	28.03	33.2	29.5
Connecticut	56.33	24.93	27.13	24.32
Delaware	60.67	32.42	33.31	32.67
District of Columbia	65.07	36.39	52.89	40.73
Florida	49.71	30.41	32.42	31.19
Georgia	49.34	35.10	38.45	36.59
Hawaii	37.83	31.08	37.06	33.88
Idaho	47.10	31.07	38.89	31.74
Illinois	61.68	34.86	36.16	33.60
Indiana	60.18	39.63	44.58	39.72
Iowa	58.35	35.07	37.55	36.32
Kansas	54.04	32.92	39.34	36.79
Kentucky	58.05	42.66	48.94	43.96
Louisiana	57.47	41.66	45.04	37.87
Maine	62.01	29.43	35.29	30.83
Maryland	61.17	35.56	38.29	32.11
Massachusetts	57.88	25.42	26.08	23.82
Michigan	59.05	33.94	36.50	32.88
Minnesota	49.23	28.07	32.89	29.47
Mississippi	58.20	48.46	55.84	49.60
Missouri	58.38	33.94	38.87	38.86
Montana	49.58	30.88	40.80	33.82
Nebraska	61.35	37.05	43.07	40.03
Nevada	58.65	31.21	40.09	34.59
New Hampshire	60.10	27.63	31.45	25.44
New Jersey	60.65	30.57	31.80	28.28
New Mexico	45.24	31.14	40.26	29.23
New York	60.24	28.92	29.69	28.23
North Carolina	54.73	32.40	34.60	32.72
North Dakota	51.32	45.60	37.87	30.19

Table S7 (continued)

Table S7 (continued)

State	1999	2019	2021	2022
Ohio	64.43	35.97	38.01	34.96
Oklahoma	54.10	40.51	52.17	46.96
Oregon	51.94	30.41	34.98	31.42
Pennsylvania	64.17	33.33	34.89	33.24
Rhode Island	62.27	31.71	31.79	29.32
South Carolina	56.81	35.27	38.74	37.55
South Dakota	53.74	35.20	40.19	30.44
Tennessee	52.62	39.30	40.97	41.67
Texas	54.01	36.10	39.01	37.11
Utah	41.47	27.05	28.25	25.28
Vermont	63.88	32.00	38.54	35.77
Virginia	55.11	31.90	33.31	33.38
Washington	48.85	30.76	33.06	31.52
West Virginia	68.37	45.52	48.66	44.93
Wisconsin	56.13	30.69	32.33	29.01
Wyoming	53.11	36.83	45.77	48.82

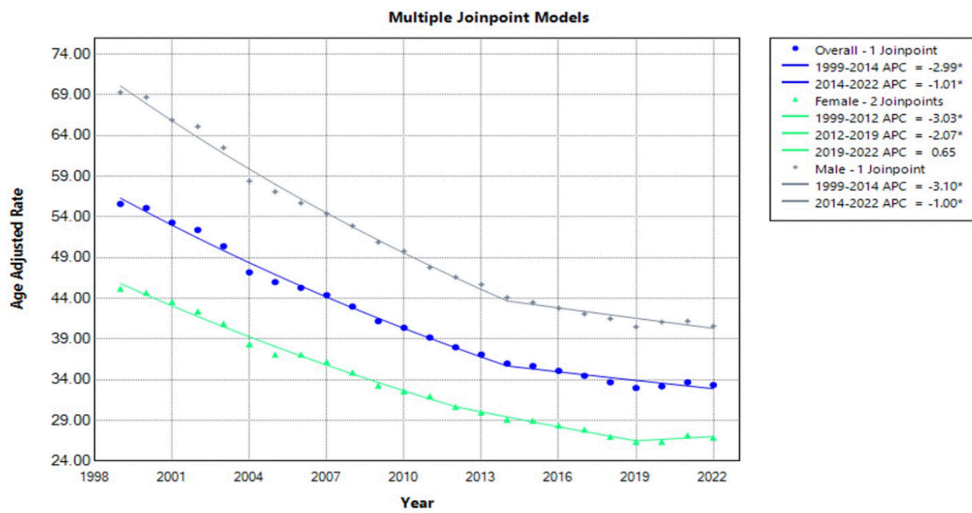


Figure S1 Joinpoint model of Colorectal Cancer-related Age-Adjusted Mortality Rate per 100,000 residents, overall and stratified by gender, 1999-2022 (*indicates the Annual Percent Change is significantly different from 0).

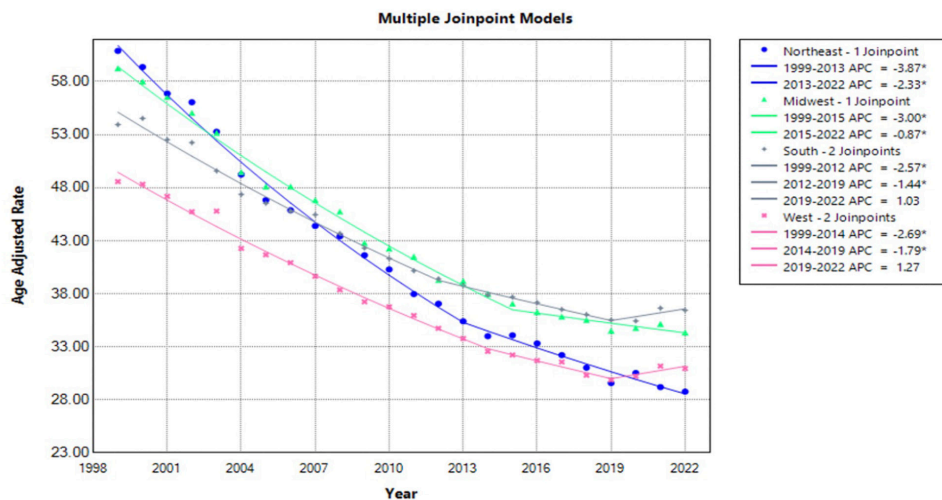


Figure S2 Joinpoint model of Colorectal Cancer-related Age-Adjusted Mortality Rate per 100,000 residents stratified by census region, 1999-2022 (*indicates the Annual Percent Change is significantly different from 0).

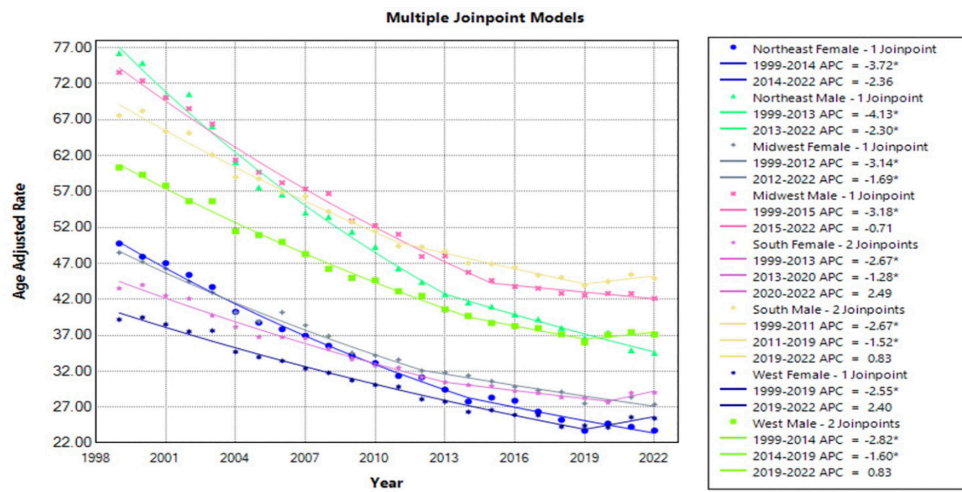


Figure S3 Joinpoint model of Colorectal Cancer-related Age-Adjusted Mortality Rate per 100,000 residents stratified by region and gender, 1999-2022 (*indicates the Annual Percent Change is significantly different from 0).

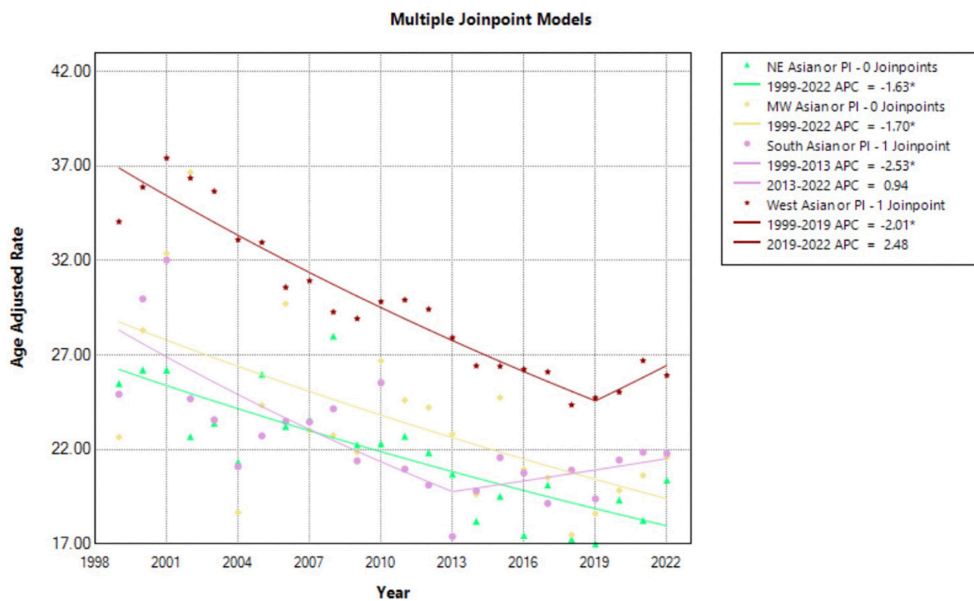


Figure S4 Joinpoint model of Colorectal Cancer-related Age-Adjusted Mortality Rate per 100,000 residents stratified by region and Asian or Pacific Islander race, 1999-2022 (*indicates the Annual Percent Change is significantly different from 0).

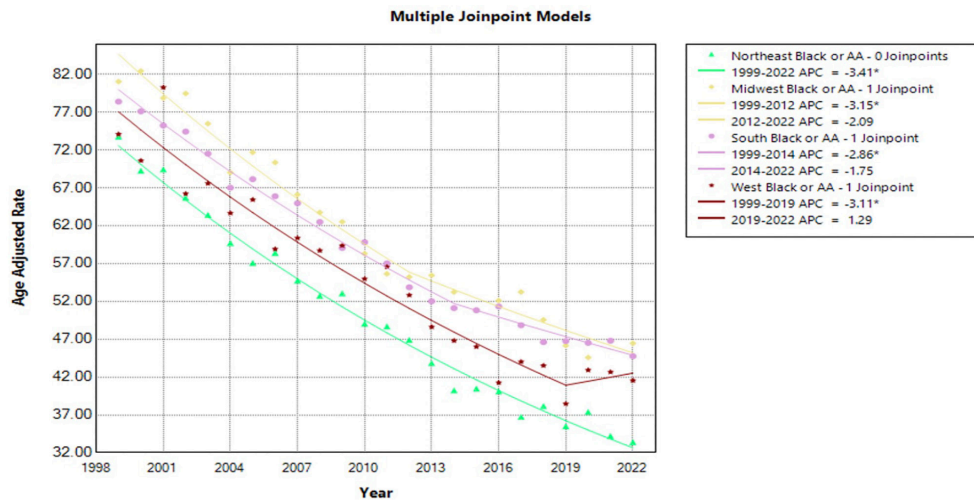


Figure S5 Joinpoint model of Colorectal Cancer-related Age-Adjusted Mortality Rate per 100,000 residents stratified by region and Black or African American race, 1999-2022 (*indicates the Annual Percent Change is significantly different from 0).

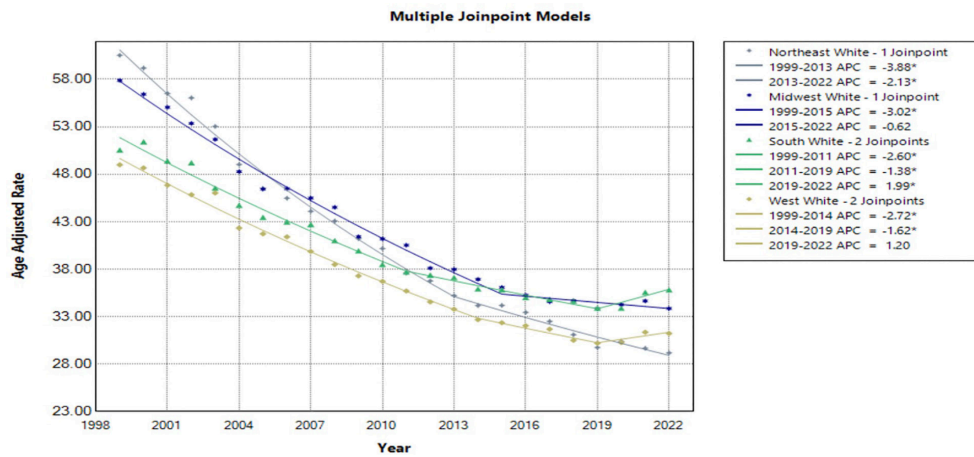


Figure S6 Joinpoint model of Colorectal Cancer-related Age-Adjusted Mortality Rate per 100,000 residents stratified by region and White race, 1999-2022 (*indicates the Annual Percent Change is significantly different from 0).

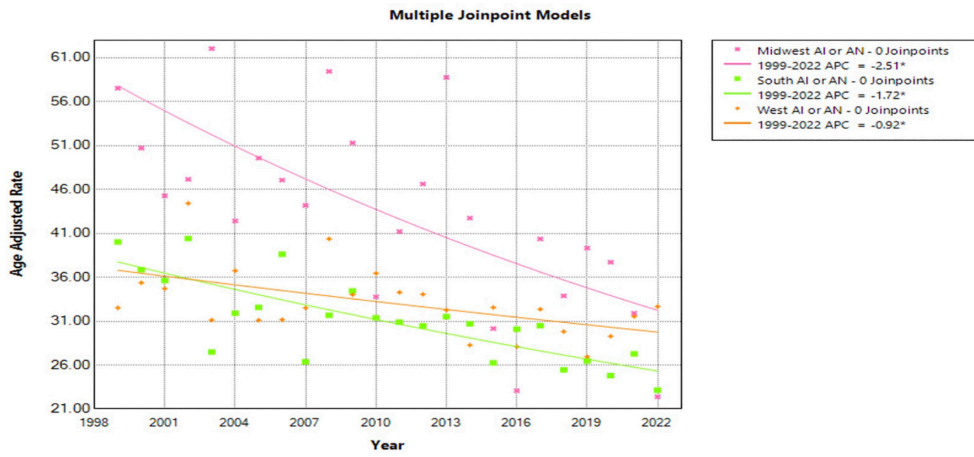


Figure S7 Joinpoint model of Colorectal Cancer-related Age-Adjusted Mortality Rate per 100,000 residents stratified by region and American Indian or Alaska Native race, 1999-2022 (*indicates the Annual Percent Change is significantly different from 0).