Table 7.1. Correlations Among Poverty, Behavioral Factors, Cancer Screening, and Age-Adjusted Cancer Mortality Rates Using State-Level Data: United States, 1990–1999 (N = 51)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
1. Poverty	1.00	0.44	0.26	0.35	0.27	0.14	–0.34	–0.43	–0.22	–0.26	0.02	–0.07	0.40	–0.24	–0.03	–0.51	–0.54	–0.48	–0.44	0.62	0.24	0.39	–0.01	0.30	0.45	–0.04	–0.10	–0.03	–0.14	–0.17	–0.14	–0.17	0.44	–0.04	0.48	1
P-value		< .01	0.06	0.01	0.05	0.34	0.01	0.00	0.12	0.07	0.91	0.64	< .01	0.09	0.83	< .01	< .01	< .01	< .01	< .01	0.09	< .01	0.92	0.03	< .01	0.77	0.50	0.85	0.32	0.24	0.32	0.22	< .01	0.77	< .01	
2. Physical Inactivity		1.00	0.45	0.45	0.38	0.43	–0.54	–0.32	–0.59	–0.59	–0.32	–0.23	0.43	–0.13	–0.16	–0.34	–0.36	–0.18	0.04	0.15	0.65	0.74	0.47	0.61	0.72	0.29	0.46	0.48	0.45	–0.23	–0.21	–0.14	0.50	0.43	0.71	2
P-value			< .01	< .01	0.01	< .01	< .01	0.02	< .01	< .01	0.02	0.11	< .01	0.36	0.26	0.02	0.01	0.20	0.77	0.30	< .01	< .01	< .01	< .01	< .01	0.04	< .01	< .01	< .01	0.11	0.14	0.32	< .01	< .01	< .01	
3. Overweight			1.00	0.47	0.48	0.42	–0.47	–0.47	–0.47	–0.44	–0.20	–0.28	0.00	–0.23	0.07	–0.28	–0.24	–0.22	–0.38	–0.09	0.39	0.43	0.28	0.48	0.53	0.26	0.29	0.28	0.29	–0.07	–0.06	–0.05	0.22	0.11	0.30	3
P-value				< .01	< .01	< .01	< .01	< .01	< .01	< .01	0.15	0.05	0.99	0.10	0.65	0.05	0.09	0.11	0.01	0.53	< .01	< .01	0.05	< .01	< .01	0.06	0.04	0.05	0.04	0.65	0.69	0.74	0.13	0.43	0.03	
4. Current Smoking, 1993				1.00	0.90	0.65	–0.59	–0.61	–0.69	–0.70	–0.51	–0.45	0.29	0.03	0.27	–0.29	–0.27	–0.33	–0.23	0.04	0.56	0.57	0.44	0.73	0.70	0.58	0.32	0.29	0.33	0.10	0.08	0.14	0.12	0.01	0.40	4
P-value					< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	0.04	0.85	0.06	0.04	0.06	0.02	0.10	0.80	< .01	< .01	< .01	< .01	< .01	< .01	0.02	0.04	0.02	0.50	0.60	0.34	0.39	0.96	< .01	
5. Current Smoking, 1996					1.00	0.67	–0.62	–0.69	–0.72	–0.74	–0.57	–0.53	0.23	–0.07	0.25	–0.30	–0.28	–0.34	–0.22	–0.02	0.54	0.52	0.46	0.70	0.65	0.59	0.37	0.36	0.34	0.11	0.09	0.12	0.09	0.06	0.40	5
P-value						< .01	< .01	< .01	< .01	< .01	< .01	< .01	0.10	0.65	0.07	0.03	0.05	0.02	0.12	0.88	< .01	< .01	< .01	< .01	< .01	< .01	0.01	0.01	0.01	0.46	0.51	0.39	0.54	0.67	< .01	
6. Cigarette Sales/Capita						1.00	–0.56	–0.47	–0.65	–0.64	–0.56	–0.49	0.20	–0.06	0.25	–0.34	–0.28	–0.31	–0.10	–0.08	0.54	0.56	0.43	0.66	0.66	0.48	0.42	0.37	0.43	0.34	0.34	0.34	0.21	0.11	0.37	6
P-value							< .01	< .01	< .01	< .01	< .01	< .01	0.16	0.67	0.08	0.01	0.04	0.03	0.47	0.58	< .01	< .01	< .01	< .01	< .01	< .01	< .01	0.01	< .01	0.02	0.02	0.02	0.15	0.45	0.01	
7. Workplace Smoking Ban, 1993							1.00	0.85	0.78	0.80	0.55	0.57	–0.20	0.28	0.06	0.46	0.43	0.41	0.24	0.03	–0.49	–0.57	–0.30	–0.59	–0.67	–0.30	–0.38	–0.47	–0.28	0.13	0.12	0.07	–0.25	–0.16	–0.43	7
P-value								< .01	< .01	< .01	< .01	< .01	0.15	0.05	0.67	< .01	< .01	< .01	0.09	0.84	< .01	< .01	0.03	< .01	< .01	0.03	0.01	< .01	0.05	0.38	0.41	0.63	0.08	0.27	< .01	
8. Workplace Smoking Ban, 1996								1.00	0.59	0.61	0.44	0.49	–0.22	0.25	–0.16	0.42	0.36	0.48	0.47	–0.10	–0.32	–0.39	–0.15	–0.52	–0.56	–0.30	–0.09	–0.18	0.01	0.04	0.03	0.05	–0.13	0.09	–0.29	8
P-value									< .01	< .01	< .01	< .01	0.12	0.08	0.25	< .01	0.01	< .01	< .01	0.47	0.02	< .01	0.29	< .01	< .01	0.04	0.54	0.22	0.97	0.79	0.82	0.74	0.38	0.54	0.04	
9. Home Smoking Ban, 1993									1.00	0.96	0.50	0.42	–0.11	0.17	–0.01	0.37	0.36	0.25	–0.04	0.22	–0.65	–0.68	–0.53	–0.64	–0.69	–0.42	–0.65	–0.69	–0.60	0.12	0.15	–0.02	–0.31	–0.36	–0.45	9
P-value										< .01	< .01	< .01	0.45	0.23	0.94	0.01	0.01	0.07	0.76	0.12	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	0.40	0.29	0.91	0.03	0.01	< .01	
10. Home Smoking Ban, 1996										1.00	0.49	0.41	–0.08	0.22	0.02	0.44	0.42	0.33	0.03	0.17	–0.61	–0.64	–0.50	–0.64	–0.69	–0.42	–0.61	–0.64	–0.56	0.07	0.10	–0.06	–0.24	–0.31	–0.45	10
P-value											< .01	< .01	0.58	0.13	0.89	< .01	< .01	0.02	0.82	0.23	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	0.65	0.49	0.65	0.09	0.03	< .01	
11. Smoking Advertising Ban, 1993											1.00	0.82	–0.23	–0.02	–0.30	0.12	–0.05	0.20	–0.09	0.12	–0.31	–0.32	–0.24	–0.42	–0.41	–0.33	–0.25	–0.25	–0.22	0.01	–0.08	0.10	–0.07	–0.07	–0.28	11
P-value												< .01	0.11	0.90	0.03	0.40	0.74	0.16	0.52	0.41	0.02	0.02	0.09	< .01	< .01	0.02	0.08	0.08	0.13	0.96	0.56	0.48	0.65	0.62	0.04	
12. Smoking Advertising Ban, 1996												1.00	–0.26	–0.06	–0.39	0.16	–0.03	0.17	0.06	0.03	–0.22	–0.26	–0.14	–0.32	–0.36	–0.18	–0.10	–0.10	–0.09	–0.06	–0.16	0.05	–0.14	–0.05	–0.23	12
P-value													0.06	0.70	< .01	0.27	0.84	0.23	0.65	0.85	0.12	0.06	0.33	0.02	0.01	0.22	0.48	0.47	0.52	0.67	0.27	0.71	0.33	0.72	0.11	
13. Alcohol Use (Intensity)													1.00	0.26	0.04	–0.02	–0.07	–0.02	0.05	0.32	0.38	0.42	0.24	0.31	0.34	0.17	0.07	0.05	0.08	–0.24	–0.16	–0.32	0.46	0.25	0.57	13
P-value														0.06	0.80	0.88	0.64	0.88	0.74	0.02	0.01	< .01	0.08	0.03	0.01	0.24	0.62	0.72	0.60	0.09	0.27	0.02	< .01	0.08	< .01	
14. Recent Pap Test														1.00	0.48	0.51	0.44	0.47	0.31	–0.01	0.00	–0.02	0.02	–0.01	–0.04	0.05	–0.20	–0.28	–0.11	–0.14	–0.12	–0.12	–0.01	0.01	–0.06	14
P-value															< .01	< .01	< .01	< .01	0.03	0.96	0.98	0.90	0.89	0.94	0.75	0.74	0.17	0.05	0.46	0.33	0.42	0.41	0.96	0.95	0.70	
15. Pap Test—Ever Use															1.00	0.08	0.40	–0.08	–0.08	–0.02	–0.15	–0.14	–0.16	–0.01	–0.03	0.00	–0.30	–0.39	–0.22	0.21	0.23	0.11	–0.10	–0.35	–0.17	15
P-value																0.56	< .01	0.59	0.56	0.91	0.31	0.32	0.25	0.96	0.82	0.98	0.03	< .01	0.11	0.15	0.11	0.42	0.49	0.01	0.23	
16.Recent Mammography Use																1.00	0.82	0.59	0.46	–0.06	–0.16	–0.28	0.02	–0.17	–0.32	0.12	–0.16	–0.18	–0.14	–0.13	–0.06	–0.19	–0.32	0.06	–0.25	16
P-value																	< .01	< .01	< .01	0.69	0.26	0.04	0.88	0.22	0.02	0.40	0.26	0.20	0.33	0.38	0.66	0.17	0.02	0.67	0.07	
17.Mammography—Ever Use																	1.00	0.51	0.39	–0.18	–0.25	–0.38	–0.06	–0.29	–0.43	0.02	–0.19	–0.25	–0.15	–0.05	0.02	–0.17	–0.32	–0.01	–0.31	17
P-value																		< .01	< .01	0.21	0.08	0.01	0.68	0.04	0.00	0.90	0.18	0.08	0.30	0.74	0.87	0.23	0.02	0.94	0.02	
18. Colonoscopy/Sigmoidoscopy	1.00	0.45	–0.11	0.07	–0.04	0.24	–0.13	–0.23	0.10	0.05	–0.01	0.10	–0.25	–0.23	–0.19	0.09	0.38	–0.04	18
P-value		< .01	0.46	0.62	0.77	0.10	0.35	0.10	0.51	0.72	0.93	0.47	0.08	0.11	0.19	0.54	0.01	0.77	
19. Fecal Occult Blood Test (FOBT)		1.00	–0.27	0.22	0.14	0.35	–0.01	–0.07	0.15	0.42	0.40	0.42	–0.17	–0.13	–0.15	0.11	0.55	0.04	19
P-value			0.05	0.11	0.33	0.01	0.93	0.61	0.30	< .01	< .01	< .01	0.23	0.36	0.29	0.43	< .01	0.80	
20. Lack of Health Insurance			1.00	0.13	0.16	0.05	0.19	0.19	0.13	–0.22	–0.20	–0.23	0.02	0.11	–0.12	0.15	0.00	0.38	20
P-value				0.36	0.27	0.70	0.18	0.18	0.37	0.13	0.16	0.11	0.90	0.43	0.42	0.28	0.98	0.01	
21. Total Cancer Mortality				1.00	0.96	0.93	0.89	0.85	0.77	0.77	0.76	0.74	–0.05	0.00	–0.02	0.56	0.73	0.78	21
P-value					< .01	< .01	< .01	< .01	< .01	< .01	< .01	< .01	0.74	0.99	0.90	< .01	< .01	< .01	
22. Male Cancer Mortality					1.00	0.79	0.87	0.92	0.61	0.67	0.69	0.63	–0.11	–0.06	–0.07	0.68	0.65	0.80	22
P-value						< .01	< .01	< .01	< .01	< .01	< .01	< .01	0.45	0.70	0.64	< .01	< .01	< .01	
23. Female Cancer Mortality						1.00	0.78	0.64	0.85	0.83	0.78	0.81	0.04	0.07	0.06	0.37	0.79	0.63	23
P-value							< .01	< .01	< .01	< .01	< .01	< .01	0.80	0.61	0.68	0.01	< .01	< .01	
24. Total Lung Cancer Mortality							1.00	0.95	0.85	0.56	0.56	0.52	0.11	0.15	0.12	0.30	0.40	0.69	24
P-value								< .01	< .01	< .01	< .01	< .01	0.42	0.28	0.42	0.03	< .01	< .01	
25. Male Lung Cancer Mortality								1.00	0.64	0.50	0.53	0.46	0.03	0.07	0.05	0.45	0.37	0.74	25
P-value									< .01	< .01	< .01	< .01	0.85	0.63	0.71	< .01	0.01	< .01	
26. Female Lung Cancer Mortality									1.00	0.56	0.53	0.54	0.23	0.25	0.20	0.02	0.43	0.47	26
P-value										< .01	< .01	< .01	0.11	0.07	0.17	0.91	< .01	< .01	
27. Total Colorectal Cancer Mortality										1.00	0.96	0.97	0.00	–0.01	0.09	0.34	0.75	0.49	27
P-value											< .01	< .01	1.00	0.95	0.52	0.01	< .01	< .01	
28. Male Colorectal Cancer Mortality											1.00	0.88	–0.07	–0.06	0.01	0.36	0.76	0.51	28
P-value												< .01	0.65	0.69	0.94	0.01	< .01	< .01	
29. Female Colorectal Cancer Mortality												1.00	0.05	0.02	0.16	0.33	0.72	0.46	29
P-value													0.75	0.88	0.27	0.02	< .01	< .01	
30. Total Mortality from Skin Melanoma													1.00	0.95	0.89	–0.24	–0.21	–0.13	30
P-value														< .01	< .01	0.09	0.14	0.37	
31. Male Mortality from Skin Melanoma														1.00	0.72	–0.17	–0.12	–0.01	31
P-value															< .01	0.22	0.38	0.97	
32. Female Mortality from Skin Melanoma															1.00	–0.23	–0.21	–0.22	32
P-value																0.10	0.14	0.11	
33. Prostate Cancer Mortality																1.00	0.59	0.60	33
P-value																	< .01	< .01	
34. Female Breast Cancer Mortality																	1.00	0.60	34
P-value																		< .01	
35. Cervical Cancer Mortality																		1.00	35
P-value																			