

WEB APPENDIX TABLE 1. Predictors of Mammography Screening in the Next 2 Years in the Nurses' Health Study, by Year

		1988 (34754 / 43312 Screened)			1990 (30269 / 30269 Screened)			1992 (35863 / 42091 Screened)			1994 (32386 / 37223 Screened)			1996 (38520 / 42860 Screened)			1998 (37114 / 39652 Screened)			
		OR	95% CI	p	OR	95% CI	p	OR	95% CI	p	OR	95% CI	p	OR	95% CI	p	OR	95% CI	p	
Age (years)	40-44	0.752	0.669-0.845	<0.0001	0.662	0.561-0.782	<0.0001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	45-49	0.962	0.862-1.074	0.4894	0.847	0.745-0.963	0.0114	0.773	0.678-0.880	<0.0001	0.749	0.639-0.878	0.0004	1.016	0.726-1.423	0.9252	NA	NA	NA	NA
	50-54	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	NA
	55-59	0.919	0.843-1.003	0.0589	0.854	0.773-0.943	0.0019	0.950	0.856-1.055	0.3401	0.866	0.774-0.969	0.0119	1.013	0.895-1.146	0.8392	0.984	0.834-1.161	0.8448	0.8448
	60-64	0.508	0.449-0.575	<0.0001	0.441	0.382-0.509	<0.0001	0.395	0.339-0.459	<0.0001	0.393	0.332-0.466	<0.0001	0.382	0.310-0.472	<0.0001	0.387	0.277-0.541	<0.0001	<0.0001
	65-69	0.484	0.419-0.559	<0.0001	0.382	0.329-0.443	<0.0001	0.335	0.288-0.390	<0.0001	0.416	0.351-0.495	<0.0001	0.381	0.309-0.471	<0.0001	0.411	0.293-0.575	<0.0001	<0.0001
	70-74	NA	NA	NA	0.293	0.087-0.987	0.0475	0.291	0.241-0.351	<0.0001	0.356	0.295-0.428	<0.0001	0.300	0.243-0.371	<0.0001	0.378	0.270-0.530	<0.0001	<0.0001
75+	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.209	0.155-0.282	NA	0.277	0.194-0.395	<0.0001	<0.0001	
Menopausal x age* (years)	40-49	0.569	0.493-0.657	<0.0001	0.499	0.421-0.591	<0.0001	0.526	0.430-0.643	<0.0001	0.427	0.327-0.557	<0.0001	0.483	0.251-0.927	0.0288	NA	NA	NA	NA
	50-59	0.586	0.516-0.665	<0.0001	0.496	0.428-0.576	<0.0001	0.412	0.353-0.482	<0.0001	0.425	0.358-0.506	<0.0001	0.376	0.303-0.467	<0.0001	0.361	0.257-0.506	<0.0001	<0.0001
Bilateral Oophorectomy		0.759	0.693-0.831	<0.0001	0.765	0.691-0.847	<0.0001	0.720	0.650-0.797	<0.0001	0.816	0.728-0.916	0.0005	0.784	0.699-0.879	<0.0001	0.793	0.685-0.918	0.002	0.002
Hormone Therapy	Never	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	NA
	Current E+P	4.840	4.163-5.627	<0.0001	5.470	4.712-6.351	<0.0001	6.908	5.958-8.009	<0.0001	7.814	6.722-9.084	<0.0001	8.526	7.263-10.009	<0.0001	8.500	6.910-10.454	<0.0001	<0.0001
	Current E	2.673	2.384-2.998	<0.0001	2.989	2.628-3.399	<0.0001	3.769	3.307-4.296	<0.0001	3.790	3.270-4.391	<0.0001	4.400	3.789-5.109	<0.0001	6.759	5.493-8.317	<0.0001	<0.0001
	Current Other	3.440	2.869-4.126	<0.0001	3.616	2.986-4.378	<0.0001	5.120	4.314-6.076	<0.0001	5.133	4.363-6.039	<0.0001	6.414	5.451-7.547	<0.0001	6.891	5.751-8.255	<0.0001	<0.0001
	Past E+P	2.213	1.763-2.779	<0.0001	2.575	2.110-3.142	<0.0001	2.687	2.236-3.229	<0.0001	2.514	2.121-2.980	<0.0001	2.600	2.192-3.084	<0.0001	2.401	1.963-2.936	<0.0001	<0.0001
	Past E	1.367	1.220-1.531	<0.0001	1.385	1.221-1.571	<0.0001	1.501	1.325-1.702	<0.0001	1.441	1.252-1.660	<0.0001	1.554	1.351-1.787	<0.0001	1.572	1.319-1.873	<0.0001	<0.0001
	Past Other	1.388	1.247-1.544	<0.0001	1.570	1.394-1.768	<0.0001	1.702	1.518-1.908	<0.0001	1.609	1.421-1.823	<0.0001	1.694	1.506-1.906	<0.0001	1.726	1.498-1.989	<0.0001	<0.0001
Parity	0-1	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	NA
	2	1.221	1.124-1.325	<0.0001	1.228	1.119-1.347	<0.0001	1.319	1.201-1.449	<0.0001	1.121	1.006-1.249	0.0385	1.386	1.243-1.544	<0.0001	1.373	1.194-1.578	<0.0001	<0.0001
	3+	1.144	1.062-1.233	0.0003	1.188	1.092-1.293	<0.0001	1.247	1.145-1.357	<0.0001	1.112	1.007-1.228	0.0353	1.375	1.248-1.516	<0.0001	1.270	1.122-1.438	0.0002	0.0002
Body Mass Index (kg/m2)	<25	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	NA
	25-29	0.943	0.847-1.049	0.2826	0.905	0.789-1.038	0.1523	0.881	0.752-1.031	0.1147	0.919	0.754-1.120	0.4032	0.878	0.660-1.167	0.3707	0.949	0.579-1.555	0.8344	0.8344
	30+	0.728	0.658-0.806	<0.0001	0.634	0.557-0.723	<0.0001	0.762	0.660-0.881	0.0002	0.786	0.653-0.946	0.0108	0.692	0.533-0.898	0.0056	0.600	0.393-0.916	0.0178	0.0178
BMI*Menopause	25-29*Meno	1.060	0.930-1.209	0.3795	1.113	0.950-1.304	0.1854	1.180	0.989-1.408	0.0658	1.145	0.924-1.420	0.2158	1.184	0.880-1.593	0.27	1.099	0.664-1.821	0.7127	0.7127
	30+*Meno	1.216	1.074-1.1377	0.002	1.337	1.148-1.558	0.0002	1.175	0.999-1.382	0.0513	1.165	0.952-1.427	0.1382	1.358	1.035-1.783	0.0274	1.711	1.109-2.638	0.0152	0.0152
Smoking	Never	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	NA
	Past	1.030	0.972-1.091	0.3183	1.032	0.967-1.102	0.3377	1.058	0.991-1.129	0.0911	0.989	0.920-1.064	0.7715	1.008	0.934-1.087	0.8399	1.047	0.951-1.151	0.3492	0.3492
	Current	0.719	0.640-0.809	<0.0001	0.701	0.612-0.802	<0.0001	0.737	0.642-0.847	<0.0001	0.649	0.555-0.760	<0.0001	0.692	0.586-0.817	<0.0001	0.731	0.590-0.906	0.0042	0.0042
Cigarettes/Day		0.985	0.980-0.990	<0.0001	0.979	0.974-0.985	<0.0001	0.976	0.970-0.983	<0.0001	0.980	0.973-0.988	<0.0001	0.978	0.970-0.986	<0.0001	0.974	0.964-0.984	<0.0001	<0.0001
Alcohol Use (drinks/day)	None	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	NA
	0-1	1.272	1.202-1.346	<0.0001	1.327	1.246-1.412	<0.0001	1.250	1.173-1.332	<0.0001	1.183	1.102-1.271	<0.0001	1.212	1.125-1.306	<0.0001	1.237	1.124-1.361	<0.0001	<0.0001
	1+	1.301	1.213-1.397	<0.0001	1.342	1.234-1.460	<0.0001	1.264	1.162-1.376	<0.0001	1.234	1.122-1.358	<0.0001	1.210	1.096-1.336	0.0002	1.258	1.110-1.427	0.0003	0.0003
Physical Activity (MET hrs/wk)	<10	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	1.000	NA	NA	NA
	10 to 19	1.111	1.039-1.187	0.002	1.140	1.057-1.230	0.0007	1.193	1.106-1.287	<0.0001	1.204	1.106-1.310	<0.0001	1.139	1.042-1.244	0.004	1.146	1.024-1.284	0.0181	0.0181
	20+	1.124	1.059-1.193	<0.0001	1.091	1.020-1.167	0.0112	1.128	1.056-1.206	0.0004	1.189	1.105-1.282	<0.0001	1.131	1.045-1.225	0.0023	1.073	0.970-1.187	0.1712	0.1712
Multivitamin Use		1.017	0.964-1.073	0.547	1.006	0.946-1.070	0.85	1.019	0.959-1.082	0.5453	1.035	0.969-1.107	0.31	0.984	0.918-1.054	0.64	1.101	1.010-1.201	0.0297	0.0297
Calcium Supplement Use		1.448	1.370-1.531	<0.0001	1.425	1.333-1.524	<0.0001	1.402	1.310-1.501	<0.0001	1.454	1.354-1.562	<0.0001	1.498	1.394-1.609	<0.0001	1.602	1.464-1.754	<0.0001	<0.0001
Aspirin Use		0.937	0.875-1.003	0.0612	1.017	0.941-1.100	0.6659	1.015	0.943-1.091	0.6953	1.044	0.970-1.125	0.25	1.029	0.955-1.110	0.4502	1.128	1.027-1.240	0.0122	0.0122
Benign Breast Disease		1.904	1.800-2.014	<0.0001	1.927	1.809-2.052	<0.0001	2.042	1.918-2.174	<0.0001	1.962	1.831-2.103	<0.0001	1.992	1.853-2.142	<0.0001	1.810	1.653-1.983	<0.0001	<0.0001
Family History of Breast Cancer		1.568	1.433-1.715	<0.0001	1.555	1.403-1.725	<0.0001	1.442	1.313-1.584	<0.0001	1.360	1.224-1.511	<0.0001	1.451	1.307-1.610	<0.0001	1.345	1.181-1.531	<0.0001	<0.0001
Family History of Other Cancer		1.102	1.048-1.160	0.0002	1.084	1.023-1.148	0.0066	1.117	1.052-1.185	0.0003	1.117	1.044-1.195	0.0013	1.059	0.987-1.135	0.1089	1.128	1.032-1.233	0.0081	0.0081
History of Hypertension		1.099	1.034-1.168	0.0024	1.163	1.087-1.245	<0.0001	1.211	1.132-1.294	<0.0001	1.210	1.124-1.303	<0.0001	1.244	1.155-1.341	<0.0001	1.382	1.257-1.519	<0.0001	<0.0001
History of High Cholesterol		1.594	1.493-1.701	<0.0001	1.620	1.520-1.726	<0.0001	1.640	1.542-1.745	<0.0001	1.536	1.435-1.644	<0.0001	1.689	1.575-1.811	<0.0001	1.651	1.511-1.803	<0.0001	<0.0001
History of Cardiovascular Disease		0.959	0.883-1.042	0.3207	0.867	0.794-0.947	0.0016	0.867	0.795-0.945	0.0012	0.840	0.764-0.924	0.0003	0.858	0.780-0.944	0.0016	0.805	0.715-0.906	0.0003	0.0003
History of Rheumatoid Arthritis		0.908	0.815-1.013	0.0836	0.954	0.848-1.074	0.4393	0.952	0.849-1.067	0.3944	0.993	0.868-1.137	0.9214	0.965	0.855-1.090	0.57	0.975			