

APPENDIX TABLE 10. Baseline medical history status of WHI Observational Study participants by race/ethnicity

Medical History	Race/Ethnicity																	
	American Indian (N = 422)			Asian/Pacific Islander (N = 2671)			Black (N = 7639)			Hispanic (N = 3623)			White (N = 78,013)			Total ^a (N = 93,676)		
	N	%	Mean ± SD	N	%	Mean ± SD	N	%	Mean ± SD	N	%	Mean ± SD	N	%	Mean ± SD	N	%	Mean ± SD
Hysterectomy ^b																		
No	211	50.0		1745	65.4		3447	45.2		1984	54.8		46,303	59.4		54,443	58.2	
Yes	211	50.0		923	34.6		4187	54.8		1634	45.2		31,651	40.6		39,147	41.8	
Age at hysterectomy (y)																		
Not hysterectomized	211	50.0		1745	65.5		3447	45.3		1984	55.0		46,303	59.5		54,443	58.3	
<40	107	25.4		248	9.3		1888	24.8		651	18.0		9392	12.1		12,459	13.3	
40–49	72	17.1		427	16.0		1733	22.8		702	19.5		13,617	17.5		16,792	18.0	
50+	32	7.6		246	9.2		547	7.2		270	7.5		8532	11.0		9750	10.4	
Age at menopause (y)																		
<40	59	15.6		165	6.4		1175	16.8		373	11.4		6477	8.6		8370	9.3	
40–49	191	50.7		934	36.2		2869	41.0		1421	43.4		29,123	38.7		35,040	39.0	
50+	127	33.7		1480	57.4		2958	42.2		1482	45.2		39,712	52.7		46,373	51.7	
Bilateral oophorectomy																		
No	307	78.3		2091	80.0		5489	76.4		2873	81.9		60,962	79.5		72,717	79.4	
Yes	85	21.7		524	20.0		1692	23.6		637	18.1		15,682	20.5		18,891	20.6	
Ever pregnant																		
No	29	6.9		321	12.0		620	8.2		330	9.2		7940	10.2		9357	10.0	
Yes	389	93.1		2347	88.0		6977	91.8		3258	90.8		69,848	89.8		84,004	90.0	
Age at first birth (y) ^c																		
Never had term pregnancy	11	3.6		86	4.2		462	8.0		106	4.3		1830	2.9		2537	3.4	
<20	92	30.4		127	6.3		1935	33.5		562	22.7		7638	12.1		10,517	14.1	
20–29	171	56.4		1469	72.5		2936	50.8		1536	61.9		47,718	75.5		54,513	72.9	
30+	29	9.6		343	16.9		450	7.8		276	11.1		5998	9.5		7205	9.6	
Number of pregnancies																		
Never pregnant	29	7.0		321	12.1		620	8.2		330	9.2		7940	10.2		9357	10.0	
1	30	7.2		210	7.9		796	10.5		235	6.6		5404	7.0		6780	7.3	
2–4	225	54.1		1715	64.5		3872	51.3		1810	50.6		47,394	61.0		55,779	59.9	
5+	132	31.7		414	15.6		2260	29.9		1200	33.6		16,932	21.8		21,251	22.8	
Number of live births																		
Never pregnant	29	7.0		321	12.1		620	8.2		330	9.3		7940	10.2		9357	10.1	
None	11	2.7		90	3.4		507	6.7		117	3.3		1928	2.5		2697	2.9	
1	47	11.3		254	9.6		1195	15.8		314	8.8		6820	8.8		8779	9.4	
2–4	247	59.5		1765	66.5		3963	52.4		2074	58.4		51,803	66.8		60,674	65.2	
5+	81	19.5		226	8.5		1271	16.8		719	20.2		9042	11.7		11,500	12.4	
Any induced abortions ^c																		
Pregnant, never had abortion	316	91.6		1981	89.2		5257	83.6		2473	87.8		60,466	92.1		71,467	91.1	
One or more abortions	29	8.4		239	10.8		1035	16.4		344	12.2		5203	7.9		6965	8.9	
Number of months breastfed																		
Never breastfed	179	43.7		997	37.8		3873	52.3		1563	44.4		38,218	49.7		45,443	49.3	
1–6	121	29.5		854	32.4		1946	26.3		982	27.9		19,613	25.5		23,868	25.9	
7–12	44	10.7		360	13.7		791	10.7		406	11.5		8521	11.1		10,248	11.1	
13–23	30	7.3		227	8.6		440	5.9		248	7.0		6706	8.7		7762	8.4	
24+	36	8.8		199	7.5		353	4.8		325	9.2		3908	5.1		4900	5.3	

Age at tubal ligation (y)												
Never had tubal ligation	333	80.4	2188	82.3	5898	78.4	2716	76.4	65,069	84.0	77,290	83.2
<30	17	4.1	59	2.2	331	4.4	176	4.9	1703	2.2	2322	2.5
30-34	19	4.6	157	5.9	506	6.7	234	6.6	3445	4.4	4417	4.8
35-39	31	7.5	158	5.9	572	7.6	309	8.7	4203	5.4	5335	5.7
40-44	11	2.7	77	2.9	186	2.5	95	2.7	2471	3.2	2878	3.1
45+	*	*	19	0.7	32	0.4	26	0.7	609	0.8	704	0.8
Age last had any menstrual bleeding (y)												
<40	74	21.0	221	8.8	1546	22.8	558	18.2	8293	11.5	10,836	12.6
40-44	69	19.6	313	12.4	1238	18.3	468	15.2	9385	13.1	11,644	13.6
45-49	78	22.2	552	21.9	1440	21.2	720	23.5	15,348	21.4	18,416	21.5
50-54	99	28.1	1017	40.4	1762	26.0	947	30.8	25,894	36.0	30,134	35.1
55-59	19	5.4	311	12.4	606	8.9	275	9.0	9370	13.0	10,709	12.5
60+	13	3.7	102	4.1	190	2.8	102	3.3	3563	5.0	4023	4.7
Current health care provider												
No	41	9.9	122	4.6	554	7.4	550	15.5	3434	4.4	4794	5.2
Yes	374	90.1	2536	95.4	6911	92.6	2994	84.5	73,943	95.6	87,957	94.8
Mammogram in last 2 y												
No	84	21.2	403	15.3	1230	17.2	790	23.4	10,004	13.2	12,710	14.0
Yes	312	78.8	2225	84.7	5929	82.8	2589	76.6	66,061	86.8	78,162	86.0
Pap smear in last 3 y												
No	29	15.8	185	11.2	358	12.2	282	16.1	3644	8.5	4590	9.2
Yes	155	84.2	1473	88.8	2588	87.8	1473	83.9	39,112	91.5	45,392	90.8
Total oral contraceptive duration (y)												
Nonuser	271	64.2	1757	65.8	4953	64.8	2207	60.9	46,176	59.2	56,232	60.0
<5	86	20.4	554	20.7	1346	17.6	831	22.9	17,815	22.8	20,900	22.3
5-<10	37	8.8	190	7.1	699	9.2	321	8.9	7056	9.0	8391	9.0
10+	28	6.6	170	6.4	641	8.4	264	7.3	6966	8.9	8153	8.7
History of PHT use ^d												
Never	204	48.3	929	34.8	4399	57.7	1714	47.5	29,979	38.5	37,817	40.4
Past	50	11.8	349	13.1	1006	13.2	392	10.9	11,137	14.3	13,132	14.0
Current	168	39.8	1391	52.1	2220	29.1	1506	41.7	36,779	47.2	42,579	45.5
Total PHT duration (y) ^d												
Nonuser	204	48.3	929	34.8	4399	57.6	1714	47.3	29,979	38.4	37,817	40.4
<5	77	18.2	665	24.9	1582	20.7	879	24.3	17,337	22.2	20,831	22.2
5-<10	49	11.6	437	16.4	640	8.4	379	10.5	11,003	14.1	12,644	13.5
10-<15	30	7.1	284	10.6	414	5.4	284	7.8	8163	10.5	9287	9.9
15+	62	14.7	356	13.3	604	7.9	367	10.1	11,529	14.8	13,095	14.0
History of E-alone use ^d												
Never	252	59.7	1747	65.4	5111	67.0	2344	64.9	48,051	61.7	58,344	62.4
Past	50	11.8	270	10.1	839	11.0	316	8.7	9440	12.1	11,085	11.8
Current	120	28.4	653	24.5	1677	22.0	954	26.4	20,421	26.2	24,122	25.8
Total E-alone duration (y) ^d												
Nonuser	252	59.7	1747	65.4	5111	66.9	2344	64.7	48,051	61.6	58,344	62.3
<5	61	14.5	338	12.7	1180	15.4	541	14.9	10,362	13.3	12,664	13.5
5-<10	35	8.3	184	6.9	483	6.3	255	7.0	5954	7.6	6989	7.5
10-<15	21	5.0	131	4.9	330	4.3	186	5.1	4610	5.9	5346	5.7
15+	53	12.6	271	10.1	535	7.0	297	8.2	9035	11.6	10,332	11.0
History of E + P use ^d												
Never	356	84.4	1712	64.1	6728	88.1	2867	79.2	54,439	69.8	67,090	71.7
Past	18	4.3	209	7.8	350	4.6	188	5.2	6772	8.7	7632	8.2
Current	48	11.4	749	28.1	558	7.3	566	15.6	16,762	21.5	18,907	20.2

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Total E + P duration (y) ^d																	
Nonuser	356	84.4		1712	64.1		6728	88.1		2867	79.1		54,439	69.8		67,090	71.6
<5	30	7.1		454	17.0		583	7.6		453	12.5		11,677	15.0		13,370	14.3
5-<10	18	4.3		284	10.6		192	2.5		142	3.9		6490	8.3		7197	7.7
10-<15	12	2.8		152	5.7		86	1.1		95	2.6		3617	4.6		4009	4.3
15+	6	1.4		69	2.6		50	0.7		66	1.8		1789	2.3		2009	2.1
Family history of MI																	
No	173	45.8		1632	65.3		3866	56.1		1825	55.1		34,025	45.8		42,088	47.5
Yes	205	54.2		866	34.7		3026	43.9		1488	44.9		40,344	54.2		46,569	52.5
Family history of breast cancer																	
No	319	83.3		2199	86.2		5867	83.9		2916	87.2		59,082	79.8		71,342	80.6
Yes	64	16.7		353	13.8		1129	16.1		429	12.8		14,911	20.2		17,130	19.4
Family history of colorectal cancer																	
No	298	83.7		2035	82.7		5382	83.2		2791	87.7		59,690	83.1		71,161	83.2
Yes	58	16.3		426	17.3		1090	16.8		393	12.3		12,158	16.9		14,319	16.8
Family history of stroke																	
No	248	65.3		1467	57.9		4227	60.2		2194	66.3		45,539	61.6		54,401	61.6
Yes	132	34.7		1066	42.1		2800	39.8		1115	33.7		28,366	38.4		33,959	38.4
Family history of adult diabetes																	
No	205	55.3		1503	61.1		3319	49.0		1772	53.2		51,921	69.5		59,473	66.9
Yes	166	44.7		958	38.9		3459	51.0		1558	46.8		22,815	30.5		29,403	33.1
Parent broke bone after age 40																	
No	240	66.9		1668	68.4		5153	79.9		2186	68.6		42,137	57.8		52,173	60.3
Yes	119	33.1		769	31.6		1296	20.1		1000	31.4		30,772	42.2		34,340	39.7
Systolic blood pressure (mm Hg)																	
≤120	160	37.9	127.9 ± 17.8	2667		130.0 ± 19.1	7635		132.3 ± 18.4	3619		125.5 ± 17.2	77,904		126.4 ± 17.8	93,551	127.0 ± 18.0
>120-140	170	40.3		1058	39.7		3333	43.7		1383	38.2		30,928	39.7		37,389	40.0
>140	92	21.8		723	27.1		2141	28.0		647	17.9		15,062	19.3		18,975	20.3
Diastolic blood pressure (mm Hg)																	
<90	391	92.9	75.2 ± 9.2	2670		77.7 ± 9.7	7629		78.0 ± 9.8	3619		74.8 ± 9.2	77,890		74.3 ± 9.2	93,531	74.7 ± 9.4
≥90	30	7.1		322	12.1		974	12.8		229	6.3		4300	5.5		5982	6.4
History of hypertension																	
Never hypertensive	237	57.4		1705	64.5		3317	44.4		2409	69.6		52,709	68.7		61,199	66.5
Untreated hypertensive	54	13.1		230	8.7		688	9.2		310	9.0		5926	7.7		7318	8.0
Treated hypertensive	122	29.5		709	26.8		3469	46.4		744	21.5		18,078	23.6		23,464	25.5
Treated diabetes (pills or shots)																	
No	350	84.3		2528	94.7		6671	87.5		3347	92.6		75,534	96.9		89,654	95.8
Yes	65	15.7		141	5.3		950	12.5		269	7.4		2406	3.1		3902	4.2
Treated hypercholesterolemia (pills)																	
No	346	84.0		2072	78.8		6159	82.8		2831	83.1		65,375	85.5		77,835	85.0
Yes	66	16.0		558	21.2		1277	17.2		576	16.9		11,078	14.5		13,774	15.0
Depression (shortened CES-D/DIS ≥ 0.06)																	
No	309	77.3		2431	93.0		6118	85.0		2546	77.4		68,286	89.4		80,758	88.6
Yes	91	22.8		182	7.0		1082	15.0		743	22.6		8089	10.6		10,368	11.4
Benign breast disease																	
No	313	80.7		2097	81.7		5548	78.9		2736	82.5		55,649	77.0		67,309	77.5
Yes, 1 biopsy	54	13.9		349	13.6		1055	15.0		397	12.0		11,471	15.9		13,503	15.6
Yes, 2+ biopsies	21	5.4		121	4.7		432	6.1		183	5.5		5170	7.2		6001	6.9

History of cardiovascular disease ^e												
No	322	79.3	2478	93.8	6210	83.2	3123	88.8	67,816	88.1	81,030	87.8
Yes	84	20.7	164	6.2	1250	16.8	395	11.2	9197	11.9	11,279	12.2
History of MI												
No	397	94.1	2631	98.6	7303	95.8	3562	98.3	76,141	97.7	91,283	97.5
Yes	25	5.9	37	1.4	321	4.2	60	1.7	1816	2.3	2306	2.5
History of CABG/PTCA												
No	392	97.3	2598	98.3	7264	97.8	3458	98.7	75,434	98.1	90,393	98.1
Yes	11	2.7	46	1.7	164	2.2	46	1.3	1481	1.9	1773	1.9
History of CHF												
No	413	97.9	2658	99.5	7481	97.9	3576	98.7	77,360	99.2	92,778	99.0
Yes	9	2.1	13	0.5	157	2.1	47	1.3	652	0.8	892	1.0
History of angina												
No	382	92.0	2594	97.3	7047	93.0	3434	95.8	74,172	95.5	88,863	95.3
Yes	33	8.0	73	2.7	529	7.0	150	4.2	3523	4.5	4372	4.7
History of carotid endarterectomy/angioplasty												
No	402	99.8	2643	100.0	7399	99.6	3491	99.6	76,627	99.6	91,826	99.6
Yes	*	*	*	*	29	0.4	13	0.4	292	0.4	344	0.4
History of DVT												
No	395	94.0	2645	99.1	7355	96.4	3529	97.5	74,862	96.0	90,021	96.2
Yes	25	6.0	23	0.9	274	3.6	90	2.5	3096	4.0	3572	3.8
History of PE												
No	414	98.3	2664	99.9	7537	98.8	3592	99.3	77,169	99.0	92,660	99.0
Yes	7	1.7	*	*	95	1.2	26	0.7	810	1.0	959	1.0
History of PAD												
No	401	97.6	2652	99.4	7365	97.2	3514	98.2	76,549	98.5	91,740	98.4
Yes	10	2.4	16	0.6	211	2.8	64	1.8	1131	1.5	1467	1.6
History of stroke												
No	407	96.7	2630	98.5	7392	96.8	3551	98.1	76,966	98.7	92,206	98.5
Yes	14	3.3	39	1.5	243	3.2	70	1.9	1015	1.3	1415	1.5
History of polyp removal												
No	371	90.9	2332	89.0	6721	91.1	3164	92.8	68,005	89.8	81,726	90.0
Yes	37	9.1	287	11.0	653	8.9	244	7.2	7757	10.2	9110	10.0
History of fracture at age 55+ ^f												
No	265	86.3	2025	88.7	5672	91.8	2333	89.0	56,150	83.3	67,426	84.3
Yes	42	13.7	257	11.3	506	8.2	289	11.0	11,291	16.7	12,541	15.7
History of hip fracture at age 55+ ^f												
No	307	100.0	2276	99.7	6160	99.7	2606	99.4	66,950	99.3	79,429	99.3
Yes	*	*	6	0.3	18	0.3	16	0.6	491	0.7	538	0.7
Number of falls in last 12 mo												
None	252	60.4	2019	76.1	5322	70.6	2363	67.7	51,754	67.1	62,610	67.7
1	90	21.6	430	16.2	1334	17.7	661	18.9	15,658	20.3	18,394	19.9
2	41	9.8	151	5.7	567	7.5	290	8.3	6418	8.3	7579	8.2
3+	34	8.2	53	2.0	312	4.1	175	5.0	3282	4.3	3911	4.2
History of cancer ^g												
No	358	86.5	2453	92.1	6643	87.8	3225	90.7	67,030	86.6	80,853	87.0
Yes	56	13.5	210	7.9	919	12.2	332	9.3	10,413	13.4	12,075	13.0
History of breast cancer												
No	401	95.7	2596	97.3	7171	94.1	3493	96.7	73,630	94.5	88,532	94.6
Yes	18	4.3	73	2.7	449	5.9	119	3.3	4301	5.5	5021	5.4
History of colorectal cancer												
No	416	99.3	2655	99.6	7488	98.7	3579	99.2	77,144	99.1	92,562	99.1
Yes	*	*	11	0.4	98	1.3	29	0.8	701	0.9	860	0.9
History of endometrial cancer												
No	415	98.6	2642	99.0	7506	98.5	3551	98.1	76,443	98.1	91,830	98.2
Yes	6	1.4	26	1.0	111	1.5	69	1.9	1486	1.9	1721	1.8

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APPENDIX TABLE 10. *Continued*

History of melanoma cancer												
No	415	98.8	2662	99.8	7595	99.8	3583	99.3	76,200	98.0	91,706	98.2
Yes	5	1.2	5	0.2	16	0.2	25	0.7	1588	2.0	1659	1.8
History of cervical cancer												
No	405	98.5	2629	98.8	7427	98.5	3506	98.6	76,318	98.7	91,559	98.7
Yes	6	1.5	31	1.2	113	1.5	49	1.4	990	1.3	1205	1.3
History of ovarian cancer												
No	404	98.1	2645	99.4	7479	99.2	3526	99.1	76,785	99.3	92,119	99.3
Yes	8	1.9	15	0.6	58	0.8	31	0.9	522	0.7	644	0.7
History of lung cancer												
No	409	99.3	2657	99.9	7525	99.7	3550	99.9	77,110	99.8	92,541	99.8
Yes	*	*	*	*	19	0.3	5	0.1	188	0.2	219	0.2
History of osteoporosis												
No	379	91.5	2398	90.8	7097	94.9	3194	91.4	69,924	90.7	84,158	91.0
Yes	35	8.5	243	9.2	384	5.1	302	8.6	7203	9.3	8282	9.0
History of arthritis												
No arthritis	187	45.5	1718	65.2	3486	46.9	1962	56.6	39,671	51.6	47,687	51.8
Rheumatoid arthritis	38	9.2	123	4.7	696	9.4	263	7.6	3763	4.9	4975	5.4
Other arthritis	186	45.3	795	30.2	3243	43.7	1241	35.8	33,428	43.5	39,413	42.8
Total hip BMD (WHO criteria)												
Normal					490	59.2	227	48.9	2519	50.9	3236	51.9
Osteopenic					295	35.6	187	40.3	2090	42.2	2572	41.2
Osteoporotic					43	5.2	50	10.8	338	6.8	431	6.9
Hip scan (g/cm ²)	108	0.87 ± 0.15	25	0.82 ± 0.14	828	0.93 ± 0.15	464	0.83 ± 0.13	4947	0.83 ± 0.13	6418	0.84 ± 0.14
Spine scan (g/cm ²)	108	0.99 ± 0.17	25	0.95 ± 0.19	826	1.04 ± 0.18	458	0.95 ± 0.16	4849	0.97 ± 0.17	6312	0.98 ± 0.17
Whole body scan (g/cm ²)	107	1.01 ± 0.12	25	1.02 ± 0.12	828	1.05 ± 0.11	464	1.01 ± 0.11	4947	1.01 ± 0.10	6417	1.01 ± 0.11
Lean body mass + BMC (kg)	107	39.4 ± 5.3	24	35.5 ± 5.9	827	43.0 ± 6.2	463	37.9 ± 5.3	4905	39.0 ± 5.3	6371	39.4 ± 5.6
Fat body mass (kg)	107	36.5 ± 11.6	24	19.2 ± 10.2	827	36.7 ± 12.4	463	31.5 ± 10.8	4905	30.5 ± 11.2	6371	31.4 ± 11.6

CABG, coronary bypass surgery; PTCA, angioplasty; WHO, World Health Organization; E + P, estrogen + progestin; E-alone, estrogen alone; BMC, bone mineral content; PHT, postmenopausal hormone therapy; BMD, bone mineral density; MI, myocardial infarction; CHF, congestive heart failure; DVT, deep vein thrombosis; PE, pulmonary embolism; PAD, peripheral arterial disease.

^aTotal includes those of unknown ethnicity.

^bHysterectomy at randomization.

^cApplies only to participants who have ever been pregnant.

^dBased on estrogen and progesterone pills and patches only (creams and shots excluded). Episodes less than 3 months are excluded.

^eIncludes MI, stroke, CHF, angina, carotid endarterectomy/angioplasty, DVT, PE, PAD, and CABG/PTCA.

^fApplies only to participants age 55 and older.

^gExcluding nonmelanoma skin cancer.

*Data withheld from cells where N < 5 (<10 where data are sensitive).