

APPENDIX TABLE 7. Baseline medical history status of WHI Estrogen-Alone participants by race/ethnicity

Medical History	Race/Ethnicity																	
	American Indian (N = 75)			Asian/Pacific Islander (N = 164)			Black (N = 1617)			Hispanic (N = 655)			White (N = 8082)			Total ^a (N = 10,739)		
	N	%	Mean ± SD	N	%	Mean ± SD	N	%	Mean ± SD	N	%	Mean ± SD	N	%	Mean ± SD	N	%	Mean ± SD
Age at hysterectomy (y)																		
Not hysterectomized																		
<40	36	48.0		53	32.3		783	48.8		278	42.8		3045	37.9		4249	39.8	
40–49	32	42.7		78	47.6		655	40.8		285	43.8		3435	42.7		4556	42.7	
50+	7	9.3		33	20.1		167	10.4		87	13.4		1559	19.4		1872	17.5	
Age at menopause (y)																		
<40	24	39.3		26	19.3		403	29.5		104	19.8		1550	22.3		2139	23.3	
40–49	11	18.0		45	33.3		350	25.6		171	32.6		2146	30.8		2752	30.0	
50+	26	42.6		64	47.4		614	44.9		250	47.6		3269	46.9		4281	46.7	
Bilateral oophorectomy																		
No	34	53.1		80	55.2		838	59.8		395	66.1		4469	58.8		5890	59.3	
Yes	30	46.9		65	44.8		564	40.2		203	33.9		3131	41.2		4049	40.7	
Ever pregnant																		
No	*	*		23	14.0		148	9.2		34	5.2		498	6.2		713	6.7	
Yes	74	98.7		141	86.0		1459	90.8		618	94.8		7567	93.8		9995	93.3	
Age at first birth (y) ^b																		
Never had term pregnancy	*	*		5	4.0		94	7.8		13	2.8		120	1.7		237	2.7	
<20	29	45.3		22	17.5		527	43.7		151	32.6		1660	24.1		2417	27.3	
20–29	33	51.6		82	65.1		530	43.9		270	58.3		4740	68.9		5737	64.8	
30+	*	*		17	13.5		55	4.6		29	6.3		361	5.2		469	5.3	
Number of live births																		
Never pregnant	*	*		23	14.1		148	9.3		34	5.3		498	6.2		713	6.7	
None	*	*		*	*		104	6.5		14	2.2		134	1.7		262	2.5	
1	*	*		10	6.1		229	14.3		51	7.9		550	6.8		862	8.1	
2–4	39	52.0		85	52.1		797	49.8		369	57.0		5212	64.9		6589	61.8	
5+	29	38.7		40	24.5		321	20.1		179	27.7		1641	20.4		2237	21.0	
Number of pregnancies																		
Never pregnant	*	*		23	14.0		148	9.3		34	5.2		498	6.2		713	6.7	
1	*	*		*	*		159	10.0		28	4.3		404	5.0		621	5.8	
2–4	39	52.0		59	36.0		531	33.3		273	42.1		2667	33.1		3615	33.9	
5+	31	41.3		73	44.5		755	47.4		313	48.3		4477	55.6		5722	53.6	
Any induced abortions ^b																		
Pregnant, never had abortion	62	91.2		113	89.0		1134	86.2		456	89.4		6591	94.8		8473	93.1	
One or more abortions	*	*		14	11.0		182	13.8		54	10.6		359	5.2		624	6.9	
Number of months breastfed																		
Never breastfed	33	44.6		67	41.1		760	48.8		268	41.8		3761	47.2		4959	47.0	
1–6	19	25.7		51	31.3		426	27.3		189	29.5		2243	28.2		2964	28.1	
7–12	9	12.2		25	15.3		192	12.3		81	12.6		865	10.9		1190	11.3	
13–23	*	*		8	4.9		91	5.8		53	8.3		643	8.1		811	7.7	
24+	9	12.2		12	7.4		89	5.7		50	7.8		449	5.6		617	5.9	

Age at tubal ligation (y)												
Never had tubal ligation	55	75.3	132	81.5	1294	81.3	524	81.0	6964	86.6	9090	85.3
<30	*	*	*	*	84	5.3	34	5.3	318	4.0	457	4.3
30-34	*	*	*	*	121	7.6	26	4.0	360	4.5	530	5.0
35-39	*	*	14	8.6	68	4.3	48	7.4	286	3.6	426	4.0
40-44	*	*	*	*	21	1.3	13	2.0	97	1.2	135	1.3
45+	0	0.0	0	0.0	*	*	*	*	14	0.2	19	0.2
Age last had any menstrual bleeding (y)												
<40	28	46.7	38	26.4	551	42.7	203	39.2	2318	34.9	3179	36.2
40-44	17	28.3	49	34.0	355	27.5	145	28.0	1694	25.5	2297	26.2
45-49	8	13.3	35	24.3	244	18.9	108	20.8	1476	22.2	1901	21.7
50-54	6	10.0	18	12.5	106	8.2	50	9.7	902	13.6	1096	12.5
55-59	*	*	*	*	25	1.9	11	2.1	202	3.0	244	2.8
60+	0	0.0	*	*	10	0.8	*	*	49	0.7	63	0.7
Current health care provider												
No	7	9.6	10	6.2	173	11.0	175	27.2	794	9.9	1175	11.1
Yes	66	90.4	152	93.8	1406	89.0	469	72.8	7207	90.1	9425	88.9
Mammogram in last 2 y												
No	26	37.7	54	34.6	406	27.6	245	40.0	2260	28.9	3035	29.6
Yes	43	62.3	102	65.4	1063	72.4	367	60.0	5547	71.1	7220	70.4
Total oral contraceptive duration (y)												
Nonuser	47	62.7	110	67.1	1072	66.3	385	58.8	4917	60.8	6634	61.8
<5	23	30.7	32	19.5	286	17.7	167	25.5	1876	23.2	2409	22.4
5-<10	*	*	*	*	133	8.2	58	8.9	699	8.6	914	8.5
10+	*	*	13	7.9	126	7.8	45	6.9	590	7.3	782	7.3
History of PHT use ^c												
Never	40	53.3	74	45.1	978	60.7	394	60.2	3892	48.2	5447	50.8
Past	27	36.0	60	36.6	450	27.9	155	23.7	2918	36.1	3669	34.2
Current	8	10.7	30	18.3	184	11.4	106	16.2	1262	15.6	1608	15.0
Total PHT duration (y)												
Nonuser	40	53.3	74	45.1	978	60.5	394	60.2	3892	48.2	5447	50.7
<5	18	24.0	48	29.3	397	24.6	157	24.0	2196	27.2	2853	26.6
5-<10	8	10.7	18	11.0	96	5.9	52	7.9	808	10.0	995	9.3
10-<15	*	*	10	6.1	78	4.8	21	3.2	534	6.6	660	6.1
15+	6	8.0	14	8.5	68	4.2	31	4.7	652	8.1	784	7.3
History of E-alone use ^c												
Never	40	53.3	80	48.8	1005	62.3	410	62.6	4056	50.2	5664	52.8
Past	27	36.0	55	33.5	430	26.7	143	21.8	2802	34.7	3513	32.8
Current	8	10.7	29	17.7	177	11.0	102	15.6	1215	15.1	1548	14.4
Total E-alone duration (y) ^c												
Nonuser	40	53.3	80	48.8	1005	62.2	410	62.6	4056	50.2	5664	52.7
<5	18	24.0	45	27.4	386	23.9	149	22.7	2152	26.6	2787	26.0
5-<10	8	10.7	15	9.1	89	5.5	47	7.2	776	9.6	947	8.8
10-<15	*	*	10	6.1	75	4.6	21	3.2	491	6.1	612	5.7
15+	6	8.0	14	8.5	62	3.8	28	4.3	607	7.5	729	6.8
History of E + P use ^c												
Never	75	100.0	155	94.5	1564	96.7	628	95.9	7700	95.3	10,261	95.6
Past	0	0.0	7	4.3	43	2.7	23	3.5	329	4.1	408	3.8
Current	0	0.0	*	*	10	0.6	*	*	52	0.6	69	0.6

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Total E + P duration (y) ^c													
Nonuser	75	100.0	155	94.5	1564	96.7	628	95.9	7700	95.3	10,261	95.5	
<5	0	0.0	6	3.7	35	2.2	18	2.7	249	3.1	312	2.9	
5-<10	0	0.0	*	*	11	0.7	5	0.8	78	1.0	97	0.9	
10-<15	0	0.0	0	0.0	*	*	*	*	30	0.4	40	0.4	
15+	0	0.0	0	0.0	*	*	*	*	25	0.3	29	0.3	
Family history of MI													
No	26	36.1	74	50.3	779	54.4	337	55.3	3333	43.6	4616	46.0	
Yes	46	63.9	73	49.7	653	45.6	272	44.7	4303	56.4	5414	54.0	
Family history of breast cancer													
No	50	72.5	135	87.7	1239	83.9	541	87.8	6233	81.8	8309	82.5	
Yes	19	27.5	19	12.3	238	16.1	75	12.2	1390	18.2	1763	17.5	
Family history of colorectal cancer													
No	59	89.4	123	83.1	1110	83.0	505	86.2	6014	82.1	7921	82.6	
Yes	7	10.6	25	16.9	228	17.0	81	13.8	1313	17.9	1673	17.4	
Family history of stroke													
No	39	55.7	95	64.2	855	58.0	402	66.3	4553	60.1	6033	60.3	
Yes	31	44.3	53	35.8	620	42.0	204	33.7	3017	39.9	3970	39.7	
Family history of adult diabetes													
No	33	45.8	88	59.9	636	44.6	315	52.4	4919	64.5	6065	60.6	
Yes	39	54.2	59	40.1	789	55.4	286	47.6	2709	35.5	3941	39.4	
Parent broke bone after age 40													
No	51	70.8	104	69.8	1106	81.0	395	67.9	4378	58.9	6119	63.0	
Yes	21	29.2	45	30.2	259	19.0	187	32.1	3055	41.1	3600	37.0	
Systolic blood pressure (mm Hg)													
≤120	75	132.7 ± 18.4	164	134.7 ± 18.7	1617	134.3 ± 17.5	655	128.0 ± 16.7	8082	129.5 ± 17.4	10,739	130.3 ± 17.5	
>120-140	17	22.7	41	25.0	385	23.8	232	35.4	2676	33.1	3394	31.6	
>140	35	46.7	65	39.6	709	43.8	279	42.6	3505	43.4	4641	43.2	
	23	30.7	58	35.4	523	32.3	144	22.0	1901	23.5	2704	25.2	
Diastolic blood pressure (mm Hg)													
75	75	77.8 ± 9.1	164	79.8 ± 10.4	1616	79.3 ± 9.4	655	75.9 ± 9.4	8081	75.9 ± 9.1	10,737	76.5 ± 9.3	
<90	67	89.3	135	82.3	1372	84.9	605	92.4	7499	92.8	9799	91.3	
≥90	8	10.7	29	17.7	244	15.1	50	7.6	582	7.2	938	8.7	
History of hypertension													
Never hypertensive	35	50.0	85	53.5	597	40.3	397	66.9	4569	63.3	5762	59.7	
Untreated hypertensive	11	15.7	16	10.1	177	12.0	73	12.3	700	9.7	993	10.3	
Treated hypertensive	24	34.3	58	36.5	707	47.7	123	20.7	1948	27.0	2903	30.1	
Treated diabetes (pills or shots)													
No	62	82.7	146	89.0	1397	86.7	590	90.1	7580	93.9	9907	92.3	
Yes	13	17.3	18	11.0	215	13.3	65	9.9	496	6.1	821	7.7	
Treated hypercholesterolemia (pills)													
No	60	88.2	117	74.1	1223	83.9	485	84.3	6152	85.3	8147	84.8	
Yes	8	11.8	41	25.9	234	16.1	90	15.7	1058	14.7	1460	15.2	
Depression (shortened CES-D/DIS ≥ 0.06)													
No	60	82.2	138	86.8	1253	82.8	454	78.4	6930	88.0	8959	86.7	
Yes	13	17.8	21	13.2	261	17.2	125	21.6	941	12.0	1375	13.3	

Benign breast disease												
No	60	85.7	130	81.8	1212	81.7	489	83.4	5683	78.6	7681	79.5
Yes, 1 biopsy	9	12.9	13	8.2	215	14.5	62	10.6	1116	15.4	1439	14.9
Yes, 2+ biopsies	*	*	16	10.1	57	3.8	35	6.0	427	5.9	545	5.6
History of cardiovascular disease ^d												
No	61	82.4	154	93.9	1352	85.2	588	91.6	7150	89.3	9433	88.8
Yes	13	17.6	10	6.1	234	14.8	54	8.4	858	10.7	1184	11.2
History of MI												
No	72	96.0	163	99.4	1549	95.8	648	98.9	7828	96.9	10,402	96.9
Yes	*	*	*	*	68	4.2	7	1.1	254	3.1	337	3.1
History of CABG/PTCA												
No	72	97.3	161	98.2	1543	97.8	630	98.6	7799	97.7	10,345	97.8
Yes	*	*	*	*	35	2.2	9	1.4	182	2.3	234	2.2
History of CHF												
No	75	100.0	164	100.0	1588	98.2	651	99.4	8018	99.2	10,640	99.1
Yes	0	0.0	0	0.0	29	1.8	*	*	64	0.8	99	0.9
History of angina												
No	69	92.0	154	93.9	1498	93.3	625	95.6	7595	94.3	10,079	94.3
Yes	6	8.0	10	6.1	108	6.7	29	4.4	455	5.7	614	5.7
History of carotid endarterectomy/angioplasty												
No	74	100.0	164	100.0	1572	99.6	639	99.8	7951	99.6	10,543	99.6
Yes	0	0.0	0	0.0	6	0.4	*	*	31	0.4	38	0.4
History of DVT												
No	74	98.7	164	100.0	1604	99.2	649	99.1	7954	98.4	10,590	98.6
Yes	*	*	0	0.0	13	0.8	6	0.9	128	1.6	149	1.4
History of PE												
No	75	100.0	164	100.0	1612	99.7	655	100.0	8055	99.7	10,707	99.7
Yes	0	0.0	0	0.0	5	0.3	0	0.0	27	0.3	32	0.3
History of PAD												
No	74	98.7	164	100.0	1567	97.6	640	98.2	7943	98.6	10,531	98.5
Yes	*	*	0	0.0	38	2.4	12	1.8	110	1.4	162	1.5
History of stroke												
No	70	93.3	163	99.4	1573	97.3	645	98.5	7979	98.7	10,571	98.4
Yes	5	6.7	*	*	44	2.7	10	1.5	103	1.3	168	1.6
History of polyp removal												
No	62	88.6	138	87.3	1330	90.8	547	93.3	6456	90.0	8659	90.3
Yes	8	11.4	20	12.7	134	9.2	39	6.7	714	10.0	926	9.7
History of fracture at age 55+ ^e												
No	48	73.8	116	90.6	1106	90.9	403	90.0	5390	82.8	7168	84.5
Yes	17	26.2	12	9.4	111	9.1	45	10.0	1116	17.2	1319	15.5
History of hip fracture at age 55+ ^e												
No	65	100.0	127	99.2	1212	99.6	444	99.1	6,463	99.3	8,433	99.4
Yes	*	*	1	0.8	5	0.4	4	0.9	43	0.7	54	0.6
Number of falls in last 12 mo												
None	47	65.3	118	73.8	1054	69.4	397	65.8	4815	64.9	6530	65.9
1	13	18.1	28	17.5	272	17.9	101	16.7	1562	21.1	1999	20.2
2	5	6.9	9	5.6	129	8.5	63	10.4	682	9.2	900	9.1
3+	7	9.7	5	3.1	64	4.2	42	7.0	361	4.9	486	4.9
History of cancer ^f												
No	74	98.7	149	92.5	1530	96.0	623	96.3	7566	94.5	10,078	94.8
Yes	*	*	12	7.5	63	4.0	24	3.7	441	5.5	549	5.2

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History of colorectal cancer												
No	75	100.0	162	98.8	1615	99.9	655	100.0	8052	99.6	10,704	99.7
Yes	0	0.0	*	*	*	*	0	0.0	30	0.4	35	0.3
History of endometrial cancer												
No	75	100.0	164	100.0	1617	100.0	654	99.8	8081	100.0	10,737	100.0
Yes	0	0.0	0	0.0	0	0.0	*	*	*	*	*	*
History of cervical cancer												
No	75	100.0	159	99.4	1578	98.8	637	98.5	7802	97.7	10,392	97.9
Yes	0	0.0	*	*	19	1.2	10	1.5	186	2.3	219	2.1
History of ovarian cancer												
No	75	100.0	159	98.8	1584	99.2	645	99.7	7947	99.4	10,554	99.4
Yes	0	0.0	*	*	12	0.8	*	*	47	0.6	63	0.6
History of lung cancer												
No	75	100.0	159	99.4	1593	99.8	646	99.8	7984	99.9	10,601	99.9
Yes	0	0.0	*	*	*	*	*	*	*	*	9	0.1
History of osteoporosis												
No	66	93.0	157	96.9	1494	95.8	569	90.9	7458	93.5	9880	93.8
Yes	5	7.0	5	3.1	65	4.2	57	9.1	519	6.5	658	6.2
History of arthritis												
No arthritis	36	50.7	101	63.5	709	46.5	342	56.9	3821	50.3	5090	50.4
Rheumatoid arthritis	7	9.9	8	5.0	162	10.6	48	8.0	400	5.3	631	6.3
Other arthritis	28	39.4	50	31.4	655	42.9	211	35.1	3377	44.4	4373	43.3
Total hip BMD (WHO criteria)												
Normal					112	64.4	41	63.1	345	50.5	498	54.0
Osteopenic					61	35.1	20	30.8	286	41.9	367	39.8
Osteoporotic					*	*	*	*	52	7.6	57	6.2
Hip scan (g/cm ²)	7	0.99 ± 0.19	*	*	174	0.96 ± 0.13	65	0.87 ± 0.11	683	0.83 ± 0.13	934	0.86 ± 0.14
Spine scan (g/cm ²)	7	1.04 ± 0.22	*	*	171	1.04 ± 0.15	65	0.96 ± 0.13	663	0.95 ± 0.16	911	0.97 ± 0.16
Whole body scan (g/cm ²)	7	1.06 ± 0.13	*	*	174	1.06 ± 0.10	66	1.03 ± 0.10	685	0.99 ± 0.10	937	1.01 ± 0.11
Lean body mass + BMC (kg)	7	42.0 ± 6.6	*	*	174	44.5 ± 5.9	66	39.4 ± 4.8	676	39.9 ± 5.6	928	40.7 ± 5.9
Fat body mass (kg)	7	44.6 ± 13.6	*	*	174	40.4 ± 12.6	66	35.9 ± 9.5	676	34.6 ± 10.9	928	35.8 ± 11.4

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.

^bApplies only to participants who have ever been pregnant.

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

^dIncludes MI, stroke, CHF, angina, carotid endarterectomy/angioplasty, DVT, PE, peripheral arterial disease, and CABG/PTCA.

^eApplies only to participants age 55 and older.

^fExcluding nonmelanoma skin cancer.

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