

Table 3.9
Verified Outcomes (Annualized Percentages) by Age at Enrollment for OS Participants

Data as of: February 28, 2017; Events through September 30, 2010

Outcome	Total	Age at Enrollment			
		50-54	55-59	60-69	70-79
Number enrolled	93676	12381	17329	41200	22766
Mean follow-up (months)	136.7	146.4	145.1	137.4	124.0
Cardiovascular					
CHD ¹	4224 (0.40%)	159 (0.11%)	361 (0.17%)	1781 (0.38%)	1923 (0.82%)
CHD death ²	1576 (0.15%)	40 (0.03%)	93 (0.04%)	548 (0.12%)	895 (0.38%)
Clinical MI	3089 (0.29%)	125 (0.08%)	287 (0.14%)	1384 (0.29%)	1293 (0.55%)
Angina ³	2834 (0.38%)	124 (0.12%)	318 (0.22%)	1319 (0.41%)	1073 (0.62%)
CABG/PTCA	4608 (0.43%)	199 (0.13%)	534 (0.25%)	2305 (0.49%)	1570 (0.67%)
Carotid artery disease	843 (0.08%)	41 (0.03%)	79 (0.04%)	385 (0.08%)	338 (0.14%)
Congestive heart failure, WHI ³	2295 (0.31%)	81 (0.08%)	174 (0.12%)	882 (0.27%)	1158 (0.67%)
Stroke	3356 (0.31%)	103 (0.07%)	253 (0.12%)	1410 (0.30%)	1590 (0.68%)
PVD	840 (0.08%)	23 (0.02%)	74 (0.04%)	381 (0.08%)	362 (0.15%)
Coronary disease ⁴	9135 (0.86%)	393 (0.26%)	936 (0.45%)	4074 (0.86%)	3732 (1.59%)
Total cardiovascular disease	13153 (1.23%)	539 (0.36%)	1269 (0.61%)	5769 (1.22%)	5576 (2.37%)
Cancer					
Breast cancer	6051 (0.57%)	724 (0.48%)	1087 (0.52%)	2832 (0.60%)	1408 (0.60%)
Invasive breast cancer	5005 (0.47%)	578 (0.38%)	884 (0.42%)	2336 (0.50%)	1207 (0.51%)
Non-invasive breast cancer	1111 (0.10%)	156 (0.10%)	213 (0.10%)	529 (0.11%)	213 (0.09%)
Ovarian cancer	564 (0.05%)	61 (0.04%)	107 (0.05%)	251 (0.05%)	145 (0.06%)
Endometrial cancer ⁵	831 (0.13%)	77 (0.08%)	154 (0.12%)	385 (0.14%)	215 (0.16%)
Colorectal cancer	1355 (0.13%)	78 (0.05%)	144 (0.07%)	625 (0.13%)	508 (0.22%)
Other cancer ⁶	6638 (0.62%)	492 (0.33%)	924 (0.44%)	3164 (0.67%)	2058 (0.87%)
Total cancer	14522 (1.36%)	1362 (0.90%)	2289 (1.09%)	6797 (1.44%)	4074 (1.73%)
Fractures					
Hip fracture	2199 (0.21%)	52 (0.03%)	131 (0.06%)	777 (0.16%)	1239 (0.53%)
Deaths					
Cardiovascular deaths	3524 (0.33%)	87 (0.06%)	213 (0.10%)	1207 (0.26%)	2017 (0.86%)
Cancer deaths	4521 (0.42%)	263 (0.17%)	519 (0.25%)	2065 (0.44%)	1674 (0.71%)
Other known cause	3087 (0.29%)	120 (0.08%)	203 (0.10%)	1185 (0.25%)	1579 (0.67%)
Unknown cause	74 (0.01%)	6 (<0.01%)	10 (<0.01%)	26 (0.01%)	32 (0.01%)
Total death	11206 (1.05%)	476 (0.32%)	945 (0.45%)	4483 (0.95%)	5302 (2.25%)
Death plus post-WHI deaths⁷	15164 (1.24%)	605 (0.35%)	1188 (0.50%)	5868 (1.10%)	7503 (2.73%)

¹ "CHD" includes clinical MI and CHD death.

² "CHD death" includes definite and possible CHD death.

³ Angina and CHF are not verified outcomes in the WHI Extension Study 2005-2010. Reported statistics represent experience during the original program.

⁴ "Coronary disease" includes clinical MI, CHD death, angina, congestive heart failure, and CABG/PTCA; angina and congestive heart failure were not collected in the WHI Extension Study 2005-2010.

⁵ Only women without a baseline hysterectomy are used to compute the annual rates of endometrial cancer.

⁶ Only one report of "other cancer" is counted per woman; however, the first of each type is adjudicated. Excludes non-melanoma skin cancer.

⁷ Includes deaths for non-Extension study participants after the main WHI study close-out. Annualized rates incorporate additional follow-up from the NDI search.