

Table 4.2
Verified Outcomes (Annualized Percentages) by Age at Enrollment for Calcium and Vitamin D Participants

Data as of: September 30, 2015; Events through September 30, 2010

Outcome	Total	Age at Enrollment			
		50-54	55-59	60-69	70-79
Number randomized	36282	5153	8269	16519	6341
Mean follow-up (months)	138.8	146.6	144.4	138.0	127.3
Fractures					
Hip fracture	810 (0.19%)	18 (0.03%)	74 (0.07%)	325 (0.17%)	393 (0.58%)
Cancer					
Breast cancer	2182 (0.52%)	277 (0.44%)	523 (0.53%)	1023 (0.54%)	359 (0.53%)
Invasive breast cancer	1753 (0.42%)	208 (0.33%)	423 (0.43%)	824 (0.43%)	298 (0.44%)
Non-invasive breast cancer	459 (0.11%)	70 (0.11%)	105 (0.11%)	213 (0.11%)	71 (0.11%)
Ovarian cancer	189 (0.05%)	23 (0.04%)	44 (0.04%)	89 (0.05%)	33 (0.05%)
Endometrial cancer ¹	299 (0.07%)	39 (0.06%)	75 (0.08%)	134 (0.07%)	51 (0.08%)
Colorectal cancer	556 (0.13%)	39 (0.06%)	89 (0.09%)	270 (0.14%)	158 (0.23%)
Other cancer ²	2486 (0.59%)	212 (0.34%)	435 (0.44%)	1264 (0.67%)	575 (0.85%)
Total cancer	5411 (1.29%)	569 (0.90%)	1113 (1.12%)	2622 (1.38%)	1107 (1.65%)
Cardiovascular					
CHD ³	1777 (0.42%)	94 (0.15%)	217 (0.22%)	843 (0.44%)	623 (0.93%)
CHD death ⁴	563 (0.13%)	23 (0.04%)	48 (0.05%)	227 (0.12%)	265 (0.39%)
Total MI ⁵	1374 (0.33%)	76 (0.12%)	176 (0.18%)	682 (0.36%)	440 (0.65%)
Clinical MI	1325 (0.32%)	72 (0.11%)	171 (0.17%)	658 (0.35%)	424 (0.63%)
Angina ⁶	1117 (0.44%)	59 (0.15%)	163 (0.27%)	581 (0.51%)	314 (0.73%)
CABG/PTCA	2033 (0.48%)	115 (0.18%)	300 (0.30%)	1084 (0.57%)	534 (0.79%)
Carotid artery disease	359 (0.09%)	16 (0.03%)	50 (0.05%)	201 (0.11%)	92 (0.14%)
Congestive heart failure, WHI ⁶	806 (0.31%)	33 (0.08%)	84 (0.14%)	376 (0.33%)	313 (0.73%)
Stroke	1361 (0.32%)	72 (0.11%)	154 (0.15%)	640 (0.34%)	495 (0.74%)
PVD	330 (0.08%)	11 (0.02%)	48 (0.05%)	165 (0.09%)	106 (0.16%)
Coronary disease ⁷	3867 (0.92%)	223 (0.35%)	545 (0.55%)	1920 (1.01%)	1179 (1.75%)
Total cardiovascular disease	5422 (1.29%)	311 (0.49%)	747 (0.75%)	2663 (1.40%)	1701 (2.53%)
Deaths					
Cardiovascular deaths	1146 (0.27%)	45 (0.07%)	93 (0.09%)	465 (0.24%)	543 (0.81%)
Cancer deaths	1532 (0.37%)	108 (0.17%)	224 (0.23%)	783 (0.41%)	417 (0.62%)
Other known cause	995 (0.24%)	43 (0.07%)	102 (0.10%)	432 (0.23%)	418 (0.62%)
Unknown cause	22 (0.01%)	1 (<0.01%)	7 (0.01%)	8 (<0.01%)	6 (0.01%)
Total death	3695 (0.88%)	197 (0.31%)	426 (0.43%)	1688 (0.89%)	1384 (2.06%)
Death plus post-WHI deaths⁸	4529 (1.07%)	233 (0.37%)	501 (0.50%)	2016 (1.05%)	1779 (2.57%)

¹ Only women without a baseline hysterectomy are used to compute the annual rates of endometrial cancer.

² Only one report of "other cancer" is counted per woman; however, the first of each type is adjudicated. Excludes non-melanoma skin cancer.

³ "CHD" includes clinical MI, evolving Q-wave MI, and CHD death; evolving Q-wave MI is not collected in the WHI Extension Study 2005-2010.

⁴ "CHD death" includes definite and possible CHD death.

⁵ "Total MI" includes clinical MI and evolving Q-wave MI; evolving Q-wave MI is not collected in the WHI Extension Study 2005-2010.

⁶ Angina and CHF are not verified outcomes in the WHI Extension Study 2005-2010. Reported statistics represent experience during the original program.

⁷ "Coronary disease" includes clinical MI, evolving Q-wave MI, possible evolving Q-wave MI, CHD death, angina, congestive heart failure, and CABG/PTCA; Q-wave MI, angina, and congestive heart failure are not collected in the WHI Extension Study 2005-2010.

⁸ Includes deaths for non-Extension study participants after the main WHI study close-out. Annualized rates incorporate additional follow-up from the NDI search.