

Title: Cost-Benefit Analysis of Calcium and Vitamin D Supplements

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Online Resource 2. Calcium and vitamin D supplementation: cost analysis by European Union country, all genders and all age cohorts

<i>Country</i>	<i>Overall population > 50 years of age, n</i>	<i>Number (%) with osteoporosis</i>	<i>Number osteoporotic fractures annually</i>	<i>Annual fracture incidence, %</i>	<i>Total annual cost, €</i>	<i>NNT</i>	<i>Absolute risk reduction, %</i>	<i>Avoided fractures per year, n</i>	<i>Avoided hospital costs, €</i>	<i>Total annual supplement cost, €</i>	<i>Annual net cost benefit, €</i>
Austria	3,567,861	529,881 (14.9)	98,444	18.6	1,049,400,787	39	2.6	13,663	145,642,006	23,840,485	121,801,521
Belgium	4,431,423	664,715 (15.0)	87,662	13.2	770,809,507	55	1.8	12,166	106,977,472	30,511,144	76,466,328
Bulgaria	2,776,952	402,297 (14.5)	38,769	9.6	119,390,434	75	1.3	5,381	16,569,706	7,346,954	9,222,751
Croatia	1,756,869	199,355 (11.3)	38,273	19.2	253,156,509	38	2.7	5,312	35,134,547	5,032,430	30,102,117
Cyprus	370,387	49,003 (13.2)	6,160	12.6	66,945,464	57	1.7	855	9,291,085	1,844,377	7,446,707
Czech Republic	4,055,023	561,713 (13.9)	80,774	14.4	506,785,063	50	2.0	11,210	70,334,608	15,061,491	55,273,118
Denmark	2,199,247	310,714 (14.1)	74,411	23.9	1,075,084,528	30	3.3	10,327	149,206,547	18,074,727	131,131,819
Estonia	499,391	78,915 (15.8)	9,301	11.8	55,222,833	61	1.6	1,291	7,664,149	2,546,364	5,117,785
Finland	2,268,918	328,767 (14.5)	41,482	12.6	446,430,205	57	1.8	5757	61,958,206	16,883,732	45,074,474
France	25,853,783	3,943,485 (15.3)	422,648	10.7	6,094,619,351	67	1.5	58,658	845,847,077	179,217,986	666,629,091
Germany	36,569,001	5,507,613 (15.1)	805,959	14.6	12,463,694,895	49	2.0	111,856	1,729,784,797	235,284,186	1,494,500,610
Greece	4,458,950	675,123 (15.1)	94,004	13.9	1,022,099,606	52	1.9	13,046	141,852,988	23,932,001	117,920,986
Hungary	3,783,878	559,460 (14.8)	107,800	19.3	408,538,855	37	2.7	14,961	56,699,422	13,221,288	43,478,134

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Ireland	1,490,821	198,398 (13.3)	21,882	11.0	231,952,040	65	1.5	3037	32,191,667	9,827,978	22,363,689
Italy	26,456,172	4,188,589 (15.8)	518,352	12.4	9,587,445,182	58	1.7	71,940	1,330,601,964	178,935,730	1,151,666,234
Latvia	795,679	126,549 (15.9)	15,073	11.9	75,280,517	60	1.7	2,092	10,447,872	2,311,101	8,136,772
Lithuania	1,164,712	180,404 (15.5)	16,035	8.9	107,029,351	81	1.2	2,225	14,854,162	4,554,030	10,300,132
Luxembourg	203,098	28,003 (13.8)	3,234	11.6	22,925,523	62	1.6	449	3,181,739	1,425,358	1,756,381
Malta	165,590	21,848 (13.2)	1,736	7.9	27,525,430	91	1.1	241	3,820,141	732,049	3,088,092
Netherlands	6,743,456	935,777 (13.9)	88,223	9.4	1,052,430,311	76	1.3	12,244	146,062,461	43,378,425	102,684,037
Poland	14,278,120	1,969,543 (13.8)	184,353	9.4	1,372,056,112	77	1.3	25,586	190,422,008	45,649,607	144,772,400
Portugal	4,153,807	633,575 (15.3)	58,715	9.3	1,031,168,192	78	1.3	8,149	143,111,579	21,019,489	122,092,090
Romania	7,475,626	1,059,862 (14.2)	100,629	9.5	358,252,638	76	1.3	13,966	49,720,406	22,375,816	27,344,590
Slovakia	1,933,796	258,400 (13.4)	43,130	16.7	204,054,886	43	2.3	5,986	28,319,936	7,398,335	20,921,601
Slovenia	828,271	119,807 (14.5)	18,044	15.1	88,368,418	48	2.1	2,504	12,264,288	4,083,630	8,180,658
Spain	18,440,337	2,823,963 (15.3)	236,851	8.4	3,903,614,845	86	1.2	32,872	541,766,600	107,805,201	433,961,400
Sweden	3,851,321	575,062 (14.9)	118,336	20.6	1,805,093,870	35	2.9	16,423	250,521,531	28,486,751	222,034,780

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United Kingdom	24,180,973	3,554,488 (14.7)	594,380	16.7	5,924,750,837	43	2.3	82,492	822,271,727	195,462,697	626,809,030
Total EU	204,753,462	30,485,309 (14.9)	3,924,658	12.9	50,124,126,192	56	1.8	544,687	6,956,520,691	1,246,243,361	5,710,277,330

NNT, number needed to treat