

103<sup>D</sup> CONGRESS  
2<sup>D</sup> SESSION

# H. R. 4284

To require the Secretary of Health and Human Services to review the relationship between calcium intake, bone mass, and osteoporosis, determine how many Americans consume too little calcium, develop optimal calcium intake levels, and amend, as appropriate and based on such review, the standard of identity for enriched flour used in the manufacture of bread, cereal, and other grain products under the Federal Food, Drug, and Cosmetic Act to require the addition of calcium.

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## IN THE HOUSE OF REPRESENTATIVES

APRIL 21, 1994

Mr. MARKEY (for himself, Mr. BONIOR, Mr. KENNEDY, Mr. PARKER, Mr. RICHARDSON, Mrs. LLOYD, Mr. FRANK of Massachusetts, Mr. MOAKLEY, Mr. MANTON, Mr. REYNOLDS, Ms. EDDIE BERNICE JOHNSON of Texas, Mr. TOWNS, Mr. McDERMOTT, Mr. LEHMAN, Mr. KREIDLER, Mr. SLATTERY, Mr. WYDEN, Mrs. UNSOELD, Ms. BROWN of Florida, Mr. KING, Mr. GENE GREEN of Texas, Mr. WYNN, Mr. DELLUMS, Ms. SLAUGHTER, Mr. WALSH, and Mr. FOGLIETTA) introduced the following bill; which was referred to the Committee on Energy and Commerce

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## A BILL

To require the Secretary of Health and Human Services to review the relationship between calcium intake, bone mass, and osteoporosis, determine how many Americans consume too little calcium, develop optimal calcium intake levels, and amend, as appropriate and based on such review, the standard of identity for enriched flour used in the manufacture of bread, cereal, and other grain products under the Federal Food, Drug, and Cosmetic Act to require the addition of calcium.

1        *Be it enacted by the Senate and House of Representa-*  
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4        This Act may be cited as the “Osteoporosis Risk  
5 Reduction Act of 1994”.

6 **SEC. 2. FINDINGS.**

7        The Congress finds that—

8            (1) Twenty-five million Americans, most of  
9            whom are women, suffer from osteoporosis, a reduc-  
10            tion of bone mineral density to a level at or below  
11            the fracture threshold,

12            (2) osteoporosis affects as many as 50 percent  
13            of women over the age of 45 and 90 percent of  
14            women over the age of 75,

15            (3) osteoporosis causes 1.5 million bone frac-  
16            tures every year and is estimated to cost the nation’s  
17            health and long-term care systems more than \$10  
18            billion annually,

19            (4) only 25 to 50 percent of hip fracture pa-  
20            tients can expect to regain their previous level of  
21            mobility and independence and as many as one of  
22            every five people will die within one year of fractur-  
23            ing a hip,

24            (5) the level of dietary calcium intake, particu-  
25            larly during childhood, adolescence, and young adult-

1 hood, is related to the amount of bone mineral den-  
2 sity achieved by individuals,

3 (6) many Americans, particularly adolescent  
4 girls and young women, fail to consume an adequate  
5 amount of calcium through their daily diets, and

6 (7) the risk of osteoporosis can be reduced  
7 through adequate calcium consumption.

8 **SEC. 3. REVIEW OF DATA AND DEVELOPMENT OF REC-**  
9 **COMMENDATION.**

10 The Secretary of Health and Human Services shall  
11 direct the food advisory committee to the Commissioner  
12 of Food and Drugs to—

13 (1) review the available data regarding the rela-  
14 tionship between dietary calcium intake, bone min-  
15 eral density, and onset of osteoporosis,

16 (2) determine whether the recommended daily  
17 allowances (RDA) for calcium established by the Na-  
18 tional Academy of Science appropriately reflect the  
19 relationship described in paragraph (1) and what  
20 proportion of children, adolescent males and females,  
21 and adult men and women currently achieve the  
22 calcium RDA,

23 (3) develop optimum levels of daily calcium in-  
24 take to reduce the risk of osteoporosis for children,

1 adolescent males and females, and adult men and  
2 women, and

3 (4) develop, as appropriate and based on the  
4 findings under paragraphs (1), (2), and (3), a rec-  
5 ommendation to the Secretary of Health and Human  
6 Services for an amendment to the standard of iden-  
7 tity for enriched flour under section 401 of the Fed-  
8 eral Food, Drug, and Cosmetic Act for the fortifica-  
9 tion of bread, cereal, and other grain products with  
10 calcium in an amount sufficient to effectively assist  
11 individuals in achieving the optimal intake levels de-  
12 scribed in paragraph (3).

13 The advisory committee shall report its findings and rec-  
14 ommendation to the Secretary within 180 days of the date  
15 of the enactment of this Act. In developing its rec-  
16 ommendation, the advisory committee shall take into con-  
17 sideration the issue of bioavailability and the potential for  
18 interaction between minerals.

19 **SEC. 4. SECRETARIAL ACTION.**

20 (a) REVIEW OF RECOMMENDATION AND DEVELOP-  
21 MENT OF AMENDMENT.—The Secretary of Health and  
22 Human Services shall review the findings and rec-  
23 ommendation of the advisory committee under section 3  
24 and shall, as appropriate and based on the findings and  
25 recommendation, develop a proposed amendment to the

1 identity standard for enriched flour under section 401 of  
2 the Federal Food, Drug, and Cosmetic Act which will pro-  
3 vide for the fortification of bread, cereal, and other grain  
4 products with calcium at a level that will assist individuals  
5 in achieving an adequate intake of calcium and reduce the  
6 risk of osteoporosis.

7 (b) REPORT TO CONGRESS.—Not later than 1 year  
8 after the date of the enactment of this Act, the Secretary  
9 shall report to the Congress the findings and recommenda-  
10 tion of the advisory committee under section 3 and the  
11 Secretary’s proposed amendment to the standard of iden-  
12 tity for enriched flour used in the manufacture of bread,  
13 cereal, and other grain products described in subsection  
14 (a).

15 (c) SCHEDULE.—The Secretary shall take such ac-  
16 tion as may be appropriate to expedite the consideration  
17 and promulgation of the amendment to the identity stand-  
18 ard for enriched flour described in subsection (a).

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