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hypertension in 1992. Baseline whole- and refined-grain intakes were assessed from semiquantitative food-frequency questionnaires. We identified 8722 incident cases of hypertension from annual questionnaires during 10 y of follow-up.

Key Words: Dietary intake • whole grains • refined grains • hypertension • epidemiology

Articles by Wang, L. Articles by Sesso, H. D Results: After adjustment for known hypertension risk factors, the relative risks (RRs) (and 95% Cls) of incident

Background: Prospective studies linking whole- and refined-grain intakes with the risk Articles by Wang, L. of hypertension, a major cardiovascular disease risk factor, remain limited. Articles by Sesso, H. D Search for Related Content Objective: We aimed to determine whether baseline intake of whole or refined grains is PubMed associated with subsequent development of hypertension. PubMed Citation Articles by Wang, L.

NC RESEARCH

Angeles, CA (SL)

Whole- and refined-grain intakes and the risk of hypertension in women <sup>1,2,3</sup>

ORIGINAL RESEARCH COMMUNICATION

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Design: We conducted a prospective cohort study in 28 926 female US health professionals aged  $\geq$ 45 y who were free of baseline cardiovascular disease, cancer, and

hypertension were 1.00 (reference), 0.96 (0.89, 1.03), 0.95 (0.88, 1.02), 0.92 (0.85, 0.99), and 0.89 (0.82, 0.97) across the increasing quintiles of baseline whole-grain intake (P for trend = 0.007). When functional cutoffs were used, women who consumed 0.5 to <1, 1 to <2, 2 to <4, and  $\geq$ 4 whole-grain servings/d had multivariate RRs (95% CIs) of 0.93 (0.87, 1.00), 0.93 (0.87, 0.99), 0.92 (0.85, 0.99), and 0.77 (0.66, 0.89), respectively, compared with those who consumed <0.5 whole-grain servings/d. In contrast, refined-grain intake was not associated with the risk of hypertension. The multivariate RRs of hypertension across the increasing quintiles of refined-grain intake were 1.00, 0.97, 0.94, 0.99, and 0.97 (P for trend = 0.80).

Conclusion: Higher whole-grain intake was associated with a reduced risk of hypertension in middle-aged and older women, which suggests a potential role for increasing whole-grain intake in the primary prevention of hypertension and its cardiovascular complications.

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