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U.S. EDITION Monday, June 3, 2013 As of 7:01 PM EDT

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## Vegetarians Live Longer Than Meat-Eaters, Study Finds

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By AVERY JOHNSON



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Practitioners of a vegetarian diet were found to be 19% less likely to die from heart disease.

Vegetarians live longer than meat-eaters, according to a study published Monday in JAMA Internal Medicine, a Journal of the American Medical Association.

The authors tracked 73,308 members of the Seventh-day Adventist Church for almost six years. The church is known for promoting a vegetarian diet, though not all of its followers adhere to that teaching. Researchers found out what type of diet

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died and how.

Vegetarians in the study experienced 12% fewer deaths over the period. Dietary choices appeared to play a big role in protecting the participants from heart disease, from which vegetarians were 19% less likely to die than meat-eaters.

There also appeared to be fewer deaths in the vegetarian group from diabetes and kidney failure.

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WSJ's Shirley Wang reports on a new study showing that eating plant-based fat and proteins such as peanuts and soy milk is far more effective in lowering bad cholesterol than a diet low in saturated fats. Photo: AP Photo/Matthew Mead



Until now, evidence was weak that the Mediterranean diet reduced the risk of heart disease. But a New England Journal of Medicine study reveals startling new findings that will silence skeptics for good. WSJ's Andrea Petersen has the details on Lunch Break. Photo: AP.



Studies that try to uncover what makes people happy often reveal that happiness has little to do with material goods or money. MarketWatch's Jim Jelter discusses new data that shows which countries among all OECD member nations are the happiest. (Photo: AP)

of calories daily. Researchers found that the beneficial associations weren't related to energy intake.

The advantage appeared stronger in men than women, whose diet didn't seem to make as much of a difference. Eating plant foods didn't seem to protect participants against cancer, which struck both the vegetarians and non-vegetarians in roughly equal measure.

The paper, written by researchers at Loma Linda University in Loma Linda, California, is larger and includes a more diverse population than previous research, says lead author Michael Orlich, director of the preventive medicine residency program there. "People are confronted with all sorts of nutritional information, but the bottom line is, 'How will your diet pattern affect your risk of dying?'" he says.

Researchers don't know why a plant-based diet seems to have a protective effect, but one likely reason is the nutrient profile of vegetarian diets, which tend to be higher in fiber and lower in saturated fat. Vegetarians tend to be thinner, another factor known to have an effect on health outcomes, Dr. Orlich says. He adds that the study benefited from examining a group whose rates of alcohol and tobacco use are low.

Of course, just eliminating meat from the plate doesn't always equal a healthy meal. Vegetarian dishes—for example, a vegetable spring roll—still

can be high in fats and calories. And certain meats are healthy.

Loma Linda University is a Seventh-day Adventist institution specializing in health care. The church recommends a diet with "generous use of whole-grain breads, cereals and pastas, a liberal use of fresh vegetables and fruits, a moderate use of legumes, nuts and seeds," according to a statement on its website. The study published Monday was funded by the National Institutes of Health.

When adopting a vegetarian lifestyle, nutritionists recommend watching closely to make sure the intake of key nutrients is sufficient. These include iron and zinc, frequently found in meat, and calcium and vitamin B12. Roughly 5% of Americans

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consider themselves to be vegetarians, according to a survey published last year by Gallup.

The Loma Linda researchers used a questionnaire to categorize participants into groups based on their diets.

The categories include nonvegetarians and people considered semi-vegetarians, who eat meat more than once a month but less than once a week. In addition to meat, vegans eliminate dairy and eggs from their diets.

Others eat fish, in addition to the cohort that eats no meat but consumes dairy and eggs. For many of the analyses, the researchers lumped all of these subsets of people together as simply "vegetarians."

Write to Avery Johnson at [avery.johnson@WSJ.com](mailto:avery.johnson@WSJ.com)

A version of this article appeared June 4, 2013, on page D3 in the U.S. edition of The Wall Street Journal, with the headline: Green Is Good: Vegetarians Live Longer, Study Finds.

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