

## Honoring our dead: text mining a century of academic obituaries in The Lancet

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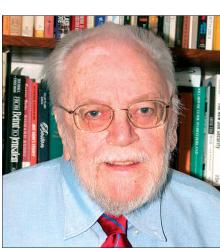
## **Obituaries as a way to understand science**

**Obituaries** offer a unique window into the values and social dimensions of academic life.

So what do we say when we talk about the dead?

**Data** is from the full-text of 5.069 obituaries published in *The* Lancet between 1850 and 2019

The Lancet, founded in 1823 in the U.K., is one of the world's oldest and most prestigious medical journals.



Brian MacMahon Leading epidemiologist. Born on Aug 23, 1923

in Sheffield, UK, he died after a stroke on Dec 5, 2007, in Boston, MA, USA, aged 84 years

ocum doctor in some of the poorer parts of Birmingham, UK. excluding the patients with gastrointestinal disorders. and as a ship's doctor. At that point, he "became somewhat dispirited about a future in clinical medicine". MacMahon and exceptional generosity. He was the first one to be critical in pioneering epidemiology

"I became a card-carrying ep said in a 2004 interview with Walter Willett (Epidemiology 2004; 15: 4). "My research interests remained essentially inchanged, but they were now legally epidemiology. AacMahon shifted its focus to chronic diseases MacMahon is perhaps best known for his work showing age at which the first full-term pregnancy occurs. "It was daughters, Kathleen and Mary. His wife died in 2001. exceptionally important, although it may sound simple"

said Dimitrios Trichopoulos, who knew MacMahon for Ivan Oransky 40 years, first as a graduate student and then as the ivan-oransky@erols.co

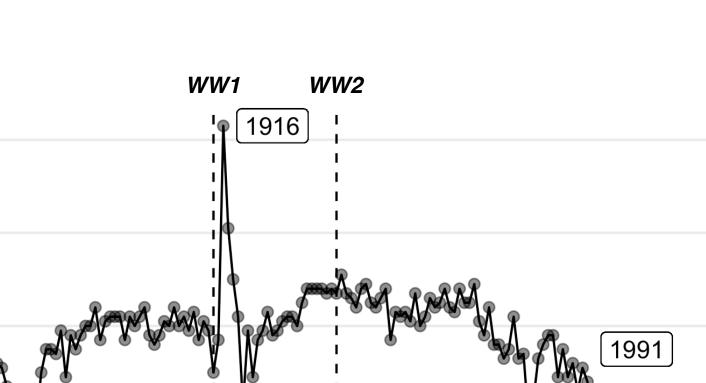
essor to MacMahon's chair at Harvard. The finding s later determined to be due to the fact that a full-term ancy, as opposed to an abortion, induces terminal tion in the mammary gland

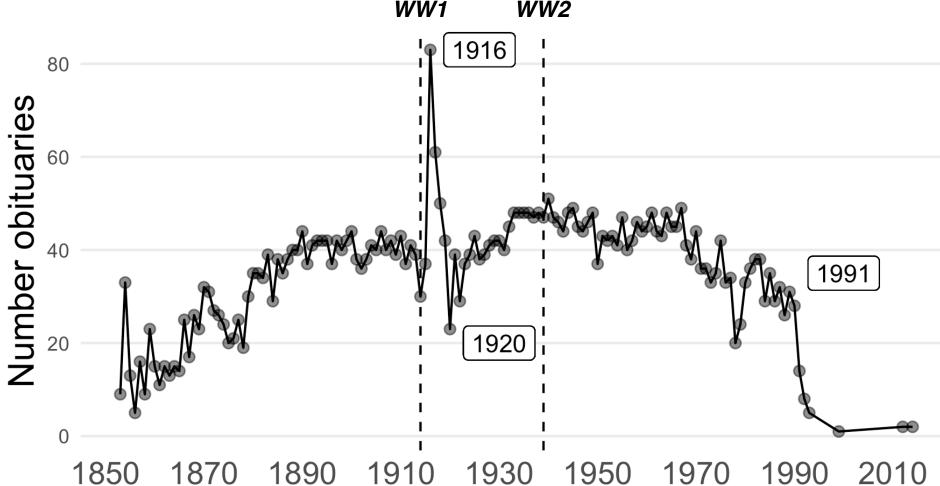
Nahon was among the first to try to introduce dy of diets, Trichopoulos said. "In contrast to [Sir] oll, who was always sceptical that people would ys to study diet, he was very much pioneering the diet and the relation to cancer, although one of tudents, Walter Willett, shone more than he did." Mahon and Trichopoulos were the first to publish a etween lung cancer and passive smoking. The effect as real, but MacMahon made it clear that the effect was ders less than that of active smoking

He got several things right, and some things wrong, like ry scientist" Trichopoulos said. In 1981, the two were uthors, with colleagues, of a study in The New England urnal of Medicine purporting to show a link between coffee rinking and pancreatic cancer. The study was criticised ecause of its choice of controls, however, and was not onfirmed in subsequent work. Asked a few months after publication about the choice of his control group, AacMahon said: "I'm satisfied with it." He acknowledged however, that the control group had a large number of patients with gastrointestinal disorders. "I think that if that point had occurred to me before publication I would ave added information showing that the relationship mas of the Royal Colleges of Physicians holds whether you exclude gastrointestinal disorders or and Surgeons, in 1946, Brian MacMahon tried his hand as a not, although it is true that the relative risks are reduced by "He was a person with outstanding and unusual integrity

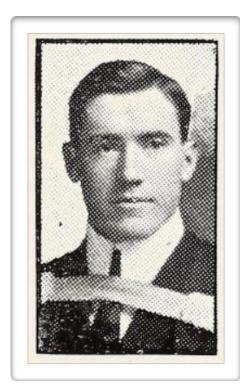
recalled in a 2004 interview. So he enrolled in a public health of himself. But he was also stubborn when he had his own programme at the University of Birmingham, intending to views". Trichoppulos said, "He had a view that too much o into public health. But a trio of epidemiologists—Thomas statistics took away all the pleasure and the message of McKeown, Ronald Lowe, and Reginald Record—soon had epidemiology." MacMahon was a terrific mentor to students him under their spell. They convinced him to study pyloric who would go on to lead many epidemiology departments stenosis, which was the start of a several-decades-long career in the USA. "Even when I was a student, he would invite me to his house, which was a \$40 cab ride, and he would drive when me back to my dormitory himself", recalled Trichopoulos. He invited in 1958 to be chairman of the department of that was also caring—just as an example, when he hit an animal name at the Harvard School of Public Health", MacMahon on the road he would take it home to take care of it. "If you ave been content in that designation." At the time, the retired. In March, 2006, more than 50 years after he had first lepartment was weighted towards infectious diseases, but published on the subject, MacMahon published a paper on pyloric stenosis (Epidemiology 2006: **17:** 195–201), in what Trichopoulos said was a bit of his career coming full-circle. that the risk of breast cancer is substantially affected by the He is survived by two sons, Michael and Kevin; and two

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### Academic obituaries spiked during World War 1



"The death is announced of Captain D. B. MacLean, killed in action at the front while attached to the East Lancashire Regiment

After being on sick leave till March Ist of this year he was sent to a military hospital, but while on duty there he succumbed to pneumonia."

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