GlobalResearch
Center for Research on Globalization

GBM Brain Tumor Cancer Rising. Impacts of RF Radiation from Wireless Devices?

Truth or Artefact? In Denmark, Much as in England

By Microwave News
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Region: Europe
Theme: Science and Medicine

New government data, released in May by a member of the Danish Parliament, show a near doubling of this fatal brain tumor, glioblastoma multiforme, since the year 2000. You can see the trend by following the orange line in the histogram below.

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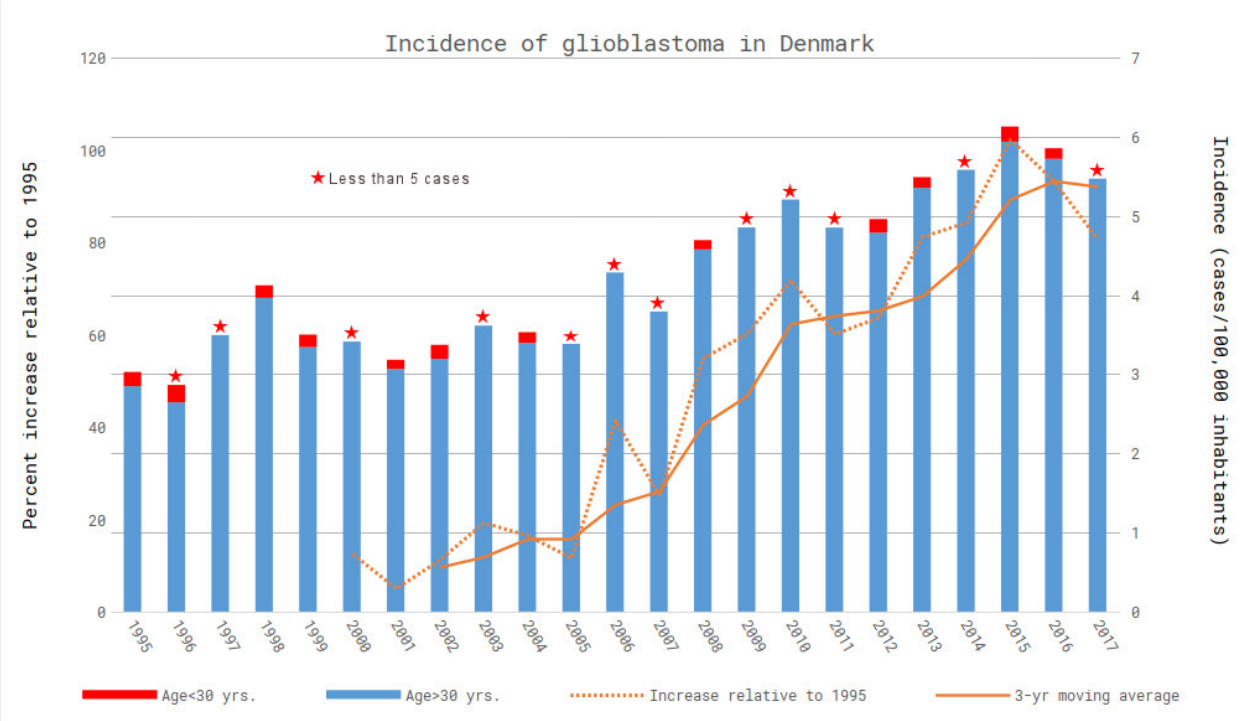
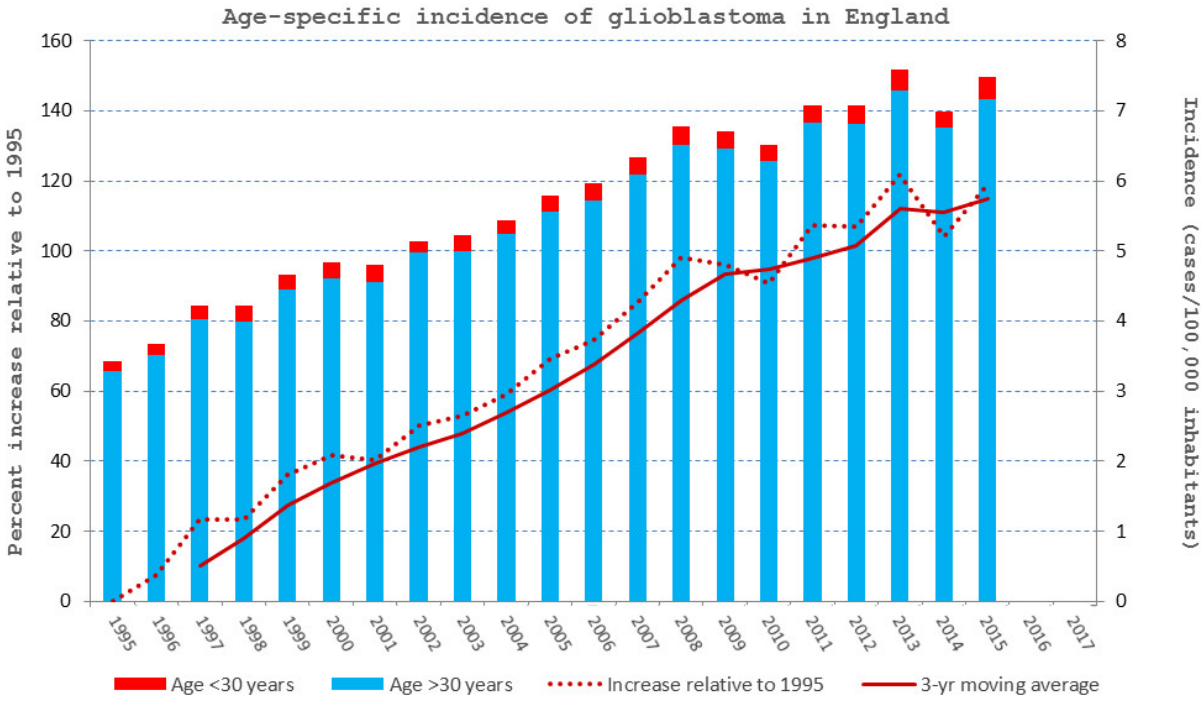


Incidence of GBM in Denmark, 1995-2017 (blue bars); % increase relative to 1995 (orange line). Prepared by a Danish epidemiologist for *Microwave News.*

For the story —and some caveats— behind these numbers, please see companion article: "Danish Spike in GBM Is Back."

After I received the Danish graph, I asked Alasdair Philips to make a similar one for English GBM which he has previously shown follows a similar trend. His data set doesn't include the most recent couple of years; still, you can see the same approximate doubling. (For details, see our report on Philips's study, and follow-up.)



Incidence of GBM in England, 1995-2015 (blue bars); % increase relative to 1995 (orange line). Prepared by Alasdair Philips for *Microwave News.*

In past articles, I have reported similar trends for GBM in Sweden and in The Netherlands.

Some Questions

- Are these trends real?
- Is the incidence of aggressive tumors truly going up in England, Denmark, Sweden and other countries?
- Can RF radiation from wireless devices promote less aggressive tumors into GBM? (Steve Cleary showed this was possible 30 years ago.)

Proliferation of Human Brain Tumor Cells

In 1990, Cleary published a paper in *Radiation Research* that would help shape the last years of his research career. He showed that microwaves modulated the growth of human brain tumor (glioma) cells. The results were provocative. At relatively low intensities (5 W/Kg) the tumor cells proliferated at a greater rate following a single two-hour exposure and they were still growing abnormally *five days later*. On the other hand, at higher intensities (25 W/Kg) cell growth was attenuated (see our news item, "RF/MW Stimulates & Suppresses Human Brain Tumor Cells"). Three years later this work drew national attention after David Reynard filed a lawsuit claiming that cell phone radiation had caused his wife's brain tumor. Cleary's experiment was cited as a possible mechanism, but it also begged the question: Could microwaves promote growth at the lower intensities associated with cell phone transmissions?

- Or, is all this just an artifact due to changing definitions of how brain tumors are graded and classified? Would some of today's GBMs have been typed differently in years past?
- The artifact explanation is favored by the RF establishment. IARC's Joachim Schüz and ICNIRP's Martin Röösli argued this when I asked them about the

Swedish tumor uptick a few months ago. Do the Danish data now give them pause?

- Why do so few people want to talk about these apparent increases in GBM? When asked, the Danish Cancer Society refused to comment, all the while advancing industry propaganda on Danish radio.

Let's get some answers.

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