

# Multifactorial Cause of the Importance by Country of the Covid19 Pandemic

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## Abstract

The Covid-19 pandemic reveals the combined and potentiating effects of pollution, notably on rare earths and electromagnetic fields, all of which contribute to a deficiency in the immune system. We note that countries with technologies using pollutants such as rare earths, electromagnetic fields are the most affected by this pandemic. This could explain the low number of deaths in the so-called poor countries compared to industrialized countries like England, the USA, France.

**Keywords:** Covid-19 Multifactorial.

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## INTRODUCTION

The study of the impact of chemical and organic pollutants is different depending on the country (unpublished data, biological tools available on our websites [imitox.com](http://imitox.com) and [toxseek.com](http://toxseek.com)). We observe the same phenomenon for the Covid pandemic19. The prevalence of the disease is different in each country : mainly it's less important in poor countries.

Several studies, in particular on metals as pollutants, have shown the implication of endocrine disruption, in particular long-term immune dysfunction [1, 2]. The biological tool, analysis of metals and organic products in hair, has already been published elsewhere [3].

We found contamination with metals and in particular with rare earths (work in progress). This work has shown a significant effect of exposure to metals and rare earths and increase in pediatric cancers. The effects of these pollutants can be potentiated by electromagnetic fields.

Thus, an infection with SARS-Cov-2, which has the particularity of attacking more strongly the mitochondrial modulation mechanisms thus disturbing the respiratory chain [4] and a long-term presence of superconductive rare earths which potentiate the regulatory functions of the mitochondria its direct effect and alters long-term immune function through their indirect effect via endocrine disruption.

But the dependent country effect becomes interesting when one is interested in the deployment of electromagnetic fields and in particular 5G. This technology is the prerogative of the industrialized countries which are about to launch it. Iran is an exception and we have known since they had this technology. The 5G network is just one example. All the technologies generating a continuous electromagnetic field over time affecting the general population must be taken into account in the explanation of chronic toxicity effects such as long-term diseases (autoimmune diseases, diabetes, obesity, etc.)

Thus, a moratorium must be provided for the launch of any technology with even weak electromagnetic fields, by evaluating the contamination thanks to the biomarker of chronic toxicity, because all the effects (physical effect electromagnetic fields, chemical effect in this case rare earths, and infectious in this case a virus) potentiate. So evaluating each effect separately makes no sense in chronic toxicology. The conclusions are always the same, namely no acute toxicity. However, pandemics spread the more easily as the ecosystem is favorable: interactions between electromagnetic fields, viruses and pollution.

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