

# Alarming COVID Jab Contamination Shocks Scientists

By [Dr. Joseph Mercola](#)

Theme: [Science and Medicine](#)

Global Research, October 03, 2023

[Mercola](#)

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*In early April 2023, microbiologist Kevin McKernan detailed finding massive DNA contamination in Pfizer's and Moderna's bivalent COVID booster shots. The highest level of DNA contamination found was 30%, meaning nearly one-third of the content of the shot was plasmid DNA, the presence of which dramatically increases the likelihood of DNA integration and cancer*

*An in vitro experiment found that the modified RNA in the Pfizer jab has the ability to enter human liver cells and reverse transcribe into DNA in as little as six hours post-exposure*

*The lipid nanoparticles that the mRNA and DNA contaminants are encased in facilitate getting the DNA inside the cell. Once it's in the cytoplasm, bits of DNA can enter the nucleus by random chance*

*Mice injected with the COVID mRNA shot passed on their acquired immune traits — both good and bad — to offspring, which not only suggests that the mRNA can enter the nucleus of the cell, but also that it can be permanently integrated into chromosomal DNA and have intergenerational effects*

*Pfizer's bivalent jab has also been found to contain simian virus 40 (SV40) promoter, an oncogenic piece of the virus' DNA known to drive very aggressive gene expression. Combined with pieces of DNA, the presence of SV40 promoter make the risk of cancer all the more likely.*

*The SV40 promoter is a sequence used in gene therapy to drive DNA into the nucleus of cells. If the shots aren't supposed to alter the human genome, why do they contain bits of DNA and an SV40 promoter that can drive that DNA into the nucleus?*

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In early April 2023, microbiologist Kevin McKernan — a former researcher and team leader for the MIT Human Genome project<sup>1</sup> — posted a preprint paper<sup>2</sup> detailing massive DNA contamination in Pfizer’s and Moderna’s bivalent COVID booster shots.<sup>3,4,5,6</sup> As explained in the abstract:<sup>7</sup>

“Several methods were deployed to assess the nucleic acid composition of four expired vials of the Moderna and Pfizer bivalent mRNA vaccines. Two vials from each vendor were evaluated ...

Multiple assays support DNA contamination that exceeds the European Medicines Agency (EMA) 330ng/mg requirement and the FDA’s 10ng/dose requirements ...”

The highest level of DNA contamination found was 30%, meaning nearly one-third of the content of certain vials was plasmid DNA, the presence of which dramatically increases the likelihood of genomic integration and cancer.

What this means, in plain English, is that the shots could potentially alter your DNA, which is something vaccine makers, health authorities and fact checkers have vehemently denied and written off as “impossible.” Yet here we are, with inconvenient facts staring us in the face yet again.

#### Regulatory Agencies Were Aware of the Problem

In a May 20, 2023, Substack article,<sup>8</sup> McKernan pointed out that regulatory agencies were clearly aware of this problem early on, as Pfizer submitted documents to the European Medicines Agency (EMA) showing sampled lots had a broad range of double-stranded DNA (dsDNA) in them.

The EMA’s limit for dsDNA is 330 nanograms per milligram (ng/mg), and Pfizer’s data show sampled lots had anywhere from 1 ng/mg to 815 ng/mg of DNA. And, according to McKernan,<sup>9</sup> the EMA’s limit may be too high to begin with, as “lower limits should be applied if the DNA is packaged in transfection ready lipid nanoparticles,” as they are in the shots.

In a sane regulatory environment, this kind of contamination would have resulted in a massive recall, considering the known and suspected dangers of dsDNA contaminants. Yet nothing was done about it.

Since McKernan’s paper was posted, others have confirmed the presence of dsDNA contaminants in the COVID shots. To be clear, DNA should not be present in a commercial product that has been made under good manufacturing practices.

Obviously, Pfizer and Moderna have not perfected their commercial process, or have taken shortcuts they shouldn’t have. As a result, countless millions have been injected with unnecessarily risky COVID shots.

#### DNA Contamination Confirmed

University of South Carolina professor Phillip Buckhaults has since confirmed the presence of dsDNA in the COVID shots. September 13, 2023, he testified<sup>10</sup> to this before the South

Carolina Senate Medical Affairs Ad-Hoc Committee on the Department of Health and Environmental Control (DHEC).

Buckhaults is a molecular biologist and cancer geneticist with extensive experience in DNA sequencing, and initially set out to debunk McKernan's claims. To his shock, he replicated McKernan's findings instead.

In his testimony, he explained how these DNA contaminants can integrate into your genome and disrupt the function of other genes, either long term or permanently, and may be passed on to offspring for generations.

He told the senators he was "alarmed about this DNA being in the vaccine," as "there is a very real hazard" of the dsDNA integrating into a person's genome and becoming a "permanent fixture of the cell" that can result in autoimmune problems and cancers.<sup>11</sup>

Buckhaults suspects high levels of DNA contaminants may also be causing some of the more serious side effects of the jabs, such as lethal cardiac arrest.<sup>12</sup> Of the two lots he analyzed, he found between 5 nanograms and 20 ng of plasmid DNA — ranging from one to 200 base pairs long — per 300 microliter dose, and he points out that having a multitude of tiny fragments is far riskier than having one big piece of DNA.<sup>13</sup>

The risk of genome integration by dsDNA has been known for decades,<sup>14</sup> so the individuals who decided to allow this contamination to remain cannot claim they didn't know public health would be put at risk.

Buckhaults stressed that we need to collect and analyze DNA from various tissues of those who have received the COVID jabs — at least a few hundred people — to determine whether genomic integration is taking place, and what changes are occurring.

He also explained how the DNA contamination occurred in the first place. In summary, the products used during the clinical trials and the commercial products were not made in the identical way. The commercial product grew the modified RNA using a mix of DNA plasmid and E. coli, and the DNA were not properly filtered out — a clear sign of poor manufacturing processes.

### COVID Shots May Cause Cancer in Several Ways

The presence of DNA isn't the only way in which the mRNA COVID shots can cause cancer. mRNA can also reverse transcribe into DNA under the right circumstances. For example, one in vitro experiment,<sup>15,16</sup> published in 2022, demonstrated that the modified RNA in the Pfizer jab has the ability to enter human liver cells and reverse transcribe into DNA in as little as six hours post-exposure. As reported in that peer-reviewed study:<sup>17</sup>

"... a recent study showed that SARS-CoV-2 RNA can be reverse-transcribed and integrated into the genome of human cells. In this study, we investigated the effect of BNT162b2 on the human liver cell line Huh7 in vitro. Huh7 cells were exposed to BNT162b2, and quantitative PCR was performed on RNA extracted from the cells.

We detected high levels of BNT162b2 in Huh7 cells and changes in gene expression of

long interspersed nuclear element-1 (LINE-1), which is an endogenous reverse transcriptase.

Immunohistochemistry using antibody binding to LINE-1 open reading frame-1 RNA-binding protein (ORFp1) on Huh7 cells treated with BNT162b2 indicated increased nucleus distribution of LINE-1 ...

Our results indicate a fast up-take of BNT162b2 into human liver cell line Huh7, leading to changes in LINE-1 expression and distribution. We also show that BNT162b2 mRNA is reverse transcribed intracellularly into DNA in as fast as 6 h upon BNT162b2 exposure.”

## COVID Jab mRNA Can Enter the Cell Nucleus

According to a 2022 study,<sup>18</sup> both the SARS-CoV-2 spike protein and the spike protein mRNA translocated into the nucleus of infected human cells. According to the authors, “the nuclear translocation of both S mRNA and S protein reveals a novel pathogenic feature of SARS-CoV-2.”

If the spike mRNA in the natural virus (and I use that term loosely, considering SARS-CoV-2 was most likely man-made) can enter human cells, might the mRNA in the COVID shots do the same? Probably.

As noted by Buckhaults,<sup>19</sup> the lipid nanoparticles that the mRNA and DNA fragments are encased in “facilitate getting the DNA inside the cell — just inside the cell membrane. But once it’s in the cytoplasm, bits of DNA go to the nucleus just by random chance.” He told investigative journalist Maryanne Demasi:<sup>20</sup>

“We do this in the lab all the time. We take pieces of naked DNA, put them in lipofectamine which is a solution that delivers genetic material into cells, and by magic, some of the pieces integrate into the cellular DNA, and permanently modified the cells.

I’ve been doing this since I was a graduate student, so I know that this happens. The only question is, what is the frequency of this happening across a vaccinated population? ...

IF genome modification is happening, It’s just a matter of time before one of these fragments hits a tumor suppressor gene and initiates the beginning of cancer in a single stem cell.

Also, there have been reports of myocarditis. I’m wondering if it’s possible that these little bits of DNA actually encode pieces of the spike protein ... There’s a lot of open reading frames in these pieces of DNA that code for peptides that don’t belong in humans and are neo-antigens.

My concern is that some of these pieces of DNA could transform long lived stem cells in, maybe the myocardium, or pericardium, or maybe the liver, or lymph nodes ... and now that tissue makes a long-lived expression of some neo-antigen that could be causing a long-term autoimmunity type response like myocarditis.

So, they are the two things that immediately come to mind — the small possibility of cancers in people in the next five years down the road, or the possibility of

autoimmunity from the production of these peptides.”

So, the claim that the mRNA in the COVID shots — which is based on but not identical to the spike protein mRNA found in SARS-CoV-2 — cannot enter the nucleus of human cells and therefore cannot be integrated into the human genome, is simply false. Science tells us genome integration can occur in several ways.

#### COVID Jab Can Have Intergenerational Effects

Another 2022 study<sup>21</sup> found that mice injected with the COVID mRNA shot passed on their acquired immune traits — both good and bad — to offspring, which not only suggests that the mRNA can enter the nucleus of the cell, but also that it can be permanently integrated into chromosomal DNA and have intergenerational effects. As reported in this study:

“Hundreds of millions of SARS-CoV-2 mRNA-LNP vaccine doses have already been administered to humans. However, we lack a comprehensive understanding of the immune effects of this platform.

The mRNA-LNP-based [mRNA-lipid nanoparticle-based] SARS-CoV-2 vaccine is highly inflammatory, and its synthetic ionizable lipid component responsible for the induction of inflammation has a long in vivo half-life.

Since chronic inflammation can lead to immune exhaustion and non-responsiveness, we sought to determine the effects of pre-exposure to the mRNA-LNP on adaptive immune responses and innate immune fitness.

We found that pre-exposure to mRNA-LNPs or LNP alone led to long-term inhibition of the adaptive immune response ... On the other hand, we report that after pre-exposure to mRNA-LNPs, the resistance of mice to heterologous infections with influenza virus increased while resistance to *Candida albicans* decreased ...

Interestingly, mice pre-exposed to the mRNA-LNP platform can pass down the acquired immune traits to their offspring ...

In summary, the mRNA-LNP vaccine platform induces long-term unexpected immunological changes affecting both adaptive immune responses and heterologous protection against infections. Thus, our studies highlight the need for more research to determine this platform’s true impact on human health.”

#### FDA Responds to DNA Contamination Concerns

McKernan presented his findings to the FDA in June 2023. After Buckhaults confirmed the presence of dsDNA in Pfizer’s and Moderna’s shots, Demasi asked the FDA “if it had begun an investigation into the issue of DNA contamination and whether it would review its guidance to industry about residual DNA in vaccines.”<sup>22</sup>

She also asked if the agency “had instructed Pfizer and Moderna to conduct further testing to demonstrate the absence or presence of genome modification and whether it would issue new warnings to the public about the potential risks, now that DNA contamination in the vaccines had been established and replicated.” This was the FDA’s response:<sup>23</sup>

“The mRNA COVID-19 vaccines authorized or approved for use in the United States are not defined as a gene therapy. The FDA is confident in the quality, safety, and effectiveness of these vaccines. The agency’s benefit-risk assessment and ongoing safety surveillance demonstrates that the benefits of their use outweigh their risks.”

In other words, the FDA has taken no action on the matter and has no intention of doing so.

#### Cancer Promoter Also Found in Pfizer’s Bivalent Jab

In addition to DNA fragments that can more readily integrate into the human genome, and the possibility of mRNA reverse transcribing into chromosomal DNA, McKernan’s team also discovered simian virus 40 (SV40) promoter in the shots, which have long been suspected of causing cancer in humans.<sup>24</sup>

SV40 promoter is an oncogenic piece of a virus known to drive very aggressive gene expression for cancer. Combined with pieces of DNA, the presence of SV40 promoter make the risk of cancer all the more likely. What’s more, according to McKernan,<sup>25</sup> the SV40 promoter is a sequence used in gene therapy to drive DNA into the nucleus of cells!

If the shots aren’t supposed to alter the human genome, why do they contain bits of DNA and an SV40 promoter that can drive that DNA into the nucleus?

Considering these facts, is it not reasonable to suspect, then, that the “turbo cancers”<sup>26</sup> oncologists around are now reporting might indeed be a side effect of the COVID jabs? “Turbo cancer” is an invented term to describe cancers that grow at such unprecedented rates that patients often die before a treatment plan can be implemented.

#### Repeat Dosing May Promote Cancer and Autoimmune Problems

So, that makes three ways in which some of the shots can contribute to or directly cause cancer. A fourth way the jabs may trigger cancer is simply by repeat dosing. As detailed in a May 2023 paper in the journal *Vaccines*:<sup>27</sup>

“To date, 72.3% of the total population has been injected at least once with a COVID-19 vaccine ... [I]ncreasing evidence has shown that ... they do not produce sterilizing immunity, allowing people to suffer frequent re-infections.

Additionally, recent investigations have found abnormally high levels of IgG4 in people who were administered two or more injections of the mRNA vaccines ...

[E]merging evidence suggests that the reported increase in IgG4 levels detected after repeated vaccination with the mRNA vaccines ... constitutes an immune tolerance mechanism to the spike protein that could promote unopposed SARS-CoV2 infection and replication by suppressing natural antiviral responses.

Increased IgG4 synthesis due to repeated mRNA vaccination with high antigen concentrations may also cause autoimmune diseases, and promote cancer growth and autoimmune myocarditis in susceptible individuals.”

#### SV40 Promoter Contamination Confirmed

Buckhaults has also confirmed the presence of SV40 promoter in the plasmid DNA, as has Yusuke Murakami, a professor at Tokyo University. In an interview, Murakami explained:<sup>28</sup>

“The Pfizer vaccine sequence contains part of the SV40 sequence ... This sequence is known as a promoter. Roughly speaking, the promoter causes increased expression of the gene.

The problem is that the sequence is present in a well-known carcinogenic virus. The question is why such a sequence that is derived from a cancer virus, is present in Pfizer’s vaccine.

There should be absolutely no need for such a carcinogenic virus sequence in the vaccine. This sequence is totally unnecessary for producing the mRNA vaccine. It is a problem that such a sequence is solidly contained in the vaccine ...

If a sequence like this is present in the DNA, the DNA is easily migrated to the nucleus. So it means that the DNA can easily enter the genome. This is such an alarming problem. It is essential to remove the sequence. However, Pfizer produced the vaccine without removing the sequence. That is outrageously malicious.”

### Excess Deaths in 2023

If the COVID pandemic was real, we would have seen the highest excess mortality rates in 2020, when the most problematic strain of the virus was in circulation. But that’s not the case. Instead, excess mortality rates didn’t really take off until the rollout of the experimental COVID shots — and rates are still going up, two years later.

In the video above, John Campbell, Ph.D., a retired nurse educator, reviews the latest mortality statistics from the Organization for Economic Co-Operation and Development (OECD).<sup>29</sup> He also compares the OECD data with that from Our World in Data, and the two data sets are in agreement — excess deaths continued to be far above normal in 2023, and there’s no pandemic to blame it on.

For the U.K., there were 36,316 excess deaths during weeks 1 through 30 (January 1 through July 30, 2023<sup>30</sup>). A telling trend is that deaths in private homes and “other settings” are above the five-year average, whereas deaths in hospitals and care homes are both below average.<sup>31,32</sup>

What does that mean? It means that more people than normal are dying unexpectedly, at home and in places other than a hospital. It also suggests that younger people are dying at a higher rate. The higher excess death rate is not because more elderly are dying in care homes.

In the U.S., there were 147,828.8 more deaths than expected during the first 30 weeks of 2023. Other interesting data reveal that, in Minnesota, excess deaths involving blood disorders began in 2020 but then skyrocketed in 2022, nearly doubling from the 2020 rate.<sup>33</sup>

The original Wuhan strain of SARS-CoV-2 was associated with blood disorders, but that strain had mutated into a mild cold by 2022. What we did have in 2022, however, were the

COVID jabs, which are also associated with blood disorders.

## Got the Jab? Take Action to Safeguard Your Health

If you already got one or more jabs and now have concerns about your health, what can you do? Well, first and foremost, never take another COVID booster, another mRNA gene therapy shot or regular vaccine. You need to end the assault on your system.

If you developed symptoms you didn't have before your shot, I would encourage you to seek out expert help. At present, the Front Line COVID-19 Critical Care Alliance (FLCCC) seems to have one of the best treatment protocols for post-jab injuries. It's called [I-RECOVER](#) and can be downloaded from [covid19criticalcare.com](https://covid19criticalcare.com).<sup>34</sup>

Dr. Pierre Kory, who cofounded the FLCCC, has transitioned to treating the vaccine injured more or less exclusively. For more information, see [DrPierreKory.com](https://DrPierreKory.com). Dr. Peter McCullough is also investigating post-jab treatments, which you can find on [PeterMcCulloughMD.com](https://PeterMcCulloughMD.com).

The World Health Council has also published lists of remedies that can help inhibit, neutralize and eliminate spike protein, which most experts agree is the primary culprit. I covered these in my 2021 article, "[World Council for Health Reveals Spike Protein Detox](#)."

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## Notes

<sup>1, 5</sup> [The Healthcare Channel May 22, 2023](#)

<sup>2, 7</sup> [OSF Preprints April 10, 2023, Edited April 11, 2023 DOI: 10.31219/osf.io/b9t7m](#)

<sup>3, 28</sup> [Twitter KanekoaTheGreat May 20, 2023](#)

<sup>4, 8, 9</sup> [Anandamide \(Kevin McKernan\) Substack May 20, 2023](#)

<sup>6, 11, 12, 16, 25</sup> [Spectator Australia September 25, 2023](#)

<sup>10</sup> [Jessica Rose Substack September 18, 2023](#)

<sup>13, 19, 20, 22, 23</sup> [Maryanne Demasi September 21, 2023](#)

<sup>14</sup> [Ann N Y Acad Sci November 27, 1995; 772: 140-151](#)

<sup>15, 17</sup> [Curr Issues Mol Biol 2022; 44\(3\): 1115-1126](#)

<sup>18</sup> [BioRxiv September 27, 2022 DOI: 10.1101/2022.09.27.509633](#)



<sup>21</sup> [PLOS Pathogens September 2, 2022 DOI: 10.1371/journal.ppat.1010830](https://doi.org/10.1371/journal.ppat.1010830)

<sup>24</sup> [Expert Rev Respir Med October 2011; 5\(5\): 683-697](#)

<sup>26</sup> [Makis MD Substack June 16, 2023](#)

<sup>27</sup> [Vaccines \(Basel\) May 2023; 11\(5\): 991](#)

<sup>29</sup> [Organization for Economic Co-Operation and Development Excess Deaths by Week, 2020-2023](#)

<sup>30</sup> [Week Number Calendar 2023](#)

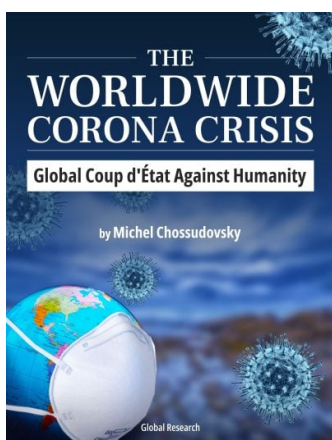
<sup>31</sup> [ONS.gov.uk Deaths Registered Weekly in England and Wales Week 36](#)

<sup>32</sup> [ONS.gov.uk Deaths Registered Weekly in England and Wales Week 37](#)

<sup>33</sup> [Resisting the Intellectual Illiteratti Substack September 19, 2023](#)

<sup>34</sup> [Covid19criticalcare.com](#)

*Featured image is from Mercola*



## The Worldwide Corona Crisis, Global Coup d'Etat Against Humanity

by Michel Chossudovsky

Michel Chossudovsky reviews in detail how this insidious project “destroys people’s lives”. He provides a comprehensive analysis of everything you need to know about the “pandemic” — from the medical dimensions to the economic and social repercussions, political underpinnings, and mental and psychological impacts.

*“My objective as an author is to inform people worldwide and refute the official narrative which has been used as a justification to destabilize the economic and social fabric of entire countries, followed by the imposition of the “deadly” COVID-19 “vaccine”. This crisis affects humanity in its entirety: almost 8 billion people. We stand in solidarity with our fellow human beings and our children worldwide. Truth is a powerful instrument.”*

## Reviews

*This is an in-depth resource of great interest if it is the wider perspective you are motivated to understand a little better, the author is very knowledgeable about geopolitics and this comes out in the way Covid is contextualized. —Dr. Mike Yeadon*

*In this war against humanity in which we find ourselves, in this singular, irregular and massive assault against liberty and the goodness of people, Chossudovsky's book is a rock upon which to sustain our fight. -Dr. Emanuel Garcia*

*In fifteen concise science-based chapters, Michel traces the false covid pandemic, explaining how a PCR test, producing up to 97% proven false positives, combined with a relentless 24/7 fear campaign, was able to create a worldwide panic-laden "plandemic"; that this plandemic would never have been possible without the infamous DNA-modifying Polymerase Chain Reaction test - which to this day is being pushed on a majority of innocent people who have no clue. His conclusions are evidenced by renown scientists. —Peter Koenig*

*Professor Chossudovsky exposes the truth that "there is no causal relationship between the virus and economic variables." In other words, it was not COVID-19 but, rather, the deliberate implementation of the illogical, scientifically baseless lockdowns that caused the shutdown of the global economy. -David Skripac*

*A reading of Chossudovsky's book provides a comprehensive lesson in how there is a global coup d'état under way called "The Great Reset" that if not resisted and defeated by freedom loving people everywhere will result in a dystopian future not yet imagined. Pass on this free gift from Professor Chossudovsky before it's too late. You will not find so much valuable information and analysis in one place. -Edward Curtin*

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