

## COVID-19 mRNA Vaccine Found in Breast Milk

New study (September 2023) shows 77% of mothers (10/13) had mRNA in breast milk! VAERS shows 2 baby deaths, 14 reactions

By [Dr. William Makis](#)

Theme: [Science and Medicine](#)

Global Research, September 21, 2023

[COVID Intel](#)

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**[NEW Sep. 19, 2023 STUDY REVIEWED:](#)** *(Hanna et al) Biodistribution of COVID-19 mRNA vaccines in human breast milk.*

*Published Sep.19, 2023 - New York researchers collected breast milk samples from 13 women before and after vaccination.*

ARTICLES | VOLUME 96, 104800, OCTOBER 2023

## Biodistribution of mRNA COVID-19 vaccines in human breast milk

Nazeeh Hanna   • Claudia Manzano De Mejia • Ari Heffes-Doon • Xinhua Lin • Bishoy Botros • Ellen Gurzenda • et al.[Show all authors](#)**Open Access** • Published: September 19, 2023 • DOI: <https://doi.org/10.1016/j.ebiom.2023.104800> •

### Summary

#### Background

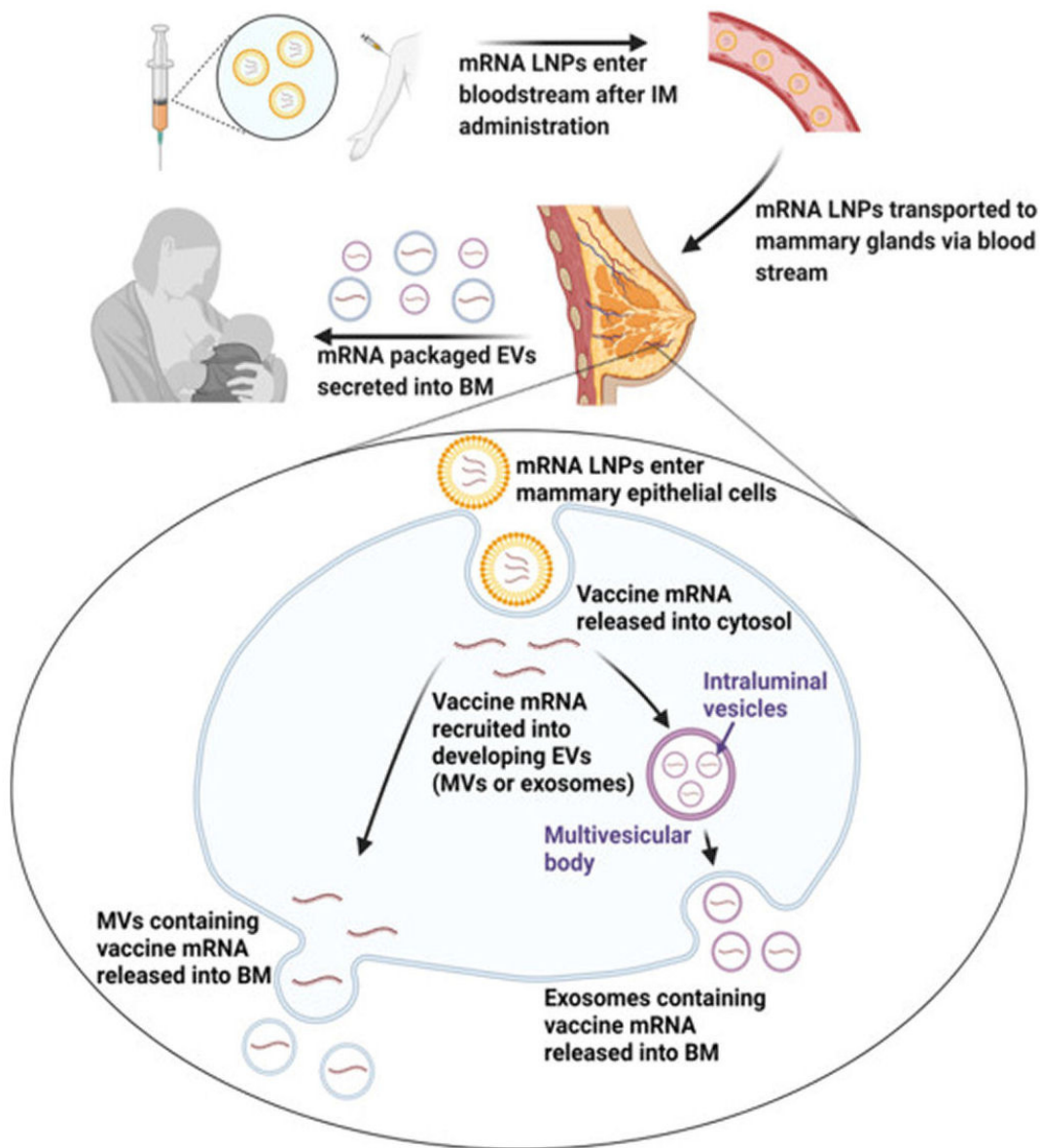
COVID-19 mRNA vaccines play a vital role in the fight against SARS-CoV-2 infection. However, lactating women have been largely excluded from most vaccine clinical trials. As a result, limited research has been conducted on the systemic distribution of vaccine mRNA during lactation and whether it is excreted in human breast milk (BM). Here, we evaluated if COVID-19 vaccine mRNA is detectable in BM after maternal vaccination and determined its potential translational activity.

#### Methods

We collected BM samples from 13 lactating, healthy, post-partum women before and after COVID-19 mRNA vaccination. Vaccine mRNA in whole BM and BM extracellular vesicles (EVs) was assayed using quantitative Droplet Digital PCR, and its integrity and translational activity were evaluated.

#### Findings

Of 13 lactating women receiving the vaccine (20 exposures), trace mRNA amounts were detected in 10 exposures up to 45 h post-vaccination. The mRNA was concentrated in the BM EVs; however, these EVs neither expressed SARS-COV-2 spike protein nor induced its expression in the HT-29 cell line. Linkage analysis suggests vaccine mRNA integrity was reduced to 12–25% in BM.



**Fig. 5.** Proposed model of biodistribution of vaccine mRNA to breast milk (BM). Following intramuscular administration, the vaccine mRNA enclosed in lipid nanoparticles (LNPs) is transported to the mammary glands through either hematogenous or lymphatic pathways. Within the mammary cell cytosol, a portion of the released vaccine mRNA is recruited and packaged into developing extracellular vesicles (EVs). The vaccine mRNA can be packaged into multivesicular bodies as intraluminal vesicles that will fuse with the mammary cell's plasma membrane, resulting in the release of mRNA-containing exosomes/EVs into breast milk. Some vaccine mRNA can also be packaged into microvesicles (MVs) formed by the outward budding of the mammary cell's plasma membrane and released into BM. This illustration was created with BioRender.com

10/13 or 77% had mRNA in the breast milk 45 hours after vaccination.

“The assumption that the mRNA vaccine is rapidly broken down at its intramuscular administration site with no biodistribution to other organs may not be accurate.”

“Our findings demonstrate that the COVID-19 vaccine mRNA is not confined to the injection site but spreads systemically and is packaged into BM EVs (breast milk extracellular vesicles).”

## CONCLUSION:

“However, as only trace quantities are present and a clear translational activity is absent, we believe breastfeeding post-vaccination is safe, especially 48 h after vaccination. Nevertheless, since the minimum mRNA vaccine dose to elicit an immune reaction in infants <6 months is unknown, a dialogue between a breastfeeding mother and her healthcare provider should address the benefit/risk considerations of breastfeeding in the first two days after maternal vaccination.”

“Although the vaccine mRNA appears to be translationally inactive, further investigation is required to determine the minimum amount of mRNA needed to elicit an immune response in newborns.”

“Although this may indicate that the vaccine mRNA in the EVs is not translationally active, it may also indicate that the methodology used is not sensitive enough to detect S protein expression. Thus, confirming the lack of translational activity needs further investigation” – means they didn’t prove that the baby doesn’t make spike protein, only that they were not able to detect with their methods.

## My Interpretation

They have to say its “safe” or it won’t get published.

There are key findings here:

1. mRNA goes systemic and ends up in the breast tissue (I have warned about breast cancer being one of the top 5 turbo cancers in mRNA vaccinated doctors, nurses, teachers, College/University students, pregnant women) – spike protein is expressed in breast tissue and we don’t know what damage that does long term.
2. In this small sample of 13 women, 77% of women had mRNA in their breast milk. That is a very high percentage.
3. mRNA in breast milk is absorbed through the baby’s gut into its circulation and the minimum safety dose of absorbed mRNA is UNKNOWN.
4. mRNA viability and Spike protein expression wasn’t tested properly (was tested on a colorectal carcinoma cell line which makes no sense)
5. This study doesn’t prove that mRNA vaccination of the mother is safe for the baby when she is breast feeding. Authors say more studies are needed.

## mRNA & Breastfeeding Problems

Babies who died when COVID-19 mRNA vaccinated mothers were breastfeeding (two cases):

[CASE 1 \(VAERS ID 1532154\): 8 week old baby died July 17, 2021:](#)

36 year old mother from New Mexico wrote: “On July 17, 2021, my baby passed away. I had

been breastfeeding my 6 week old baby at the time that I received the first Pfizer vaccine on June 4, 2021.

He became very sick with a high fever on June 21, about 2 weeks after I got the first Pfizer vaccine. He was treated for 2 weeks with IV antibiotics for a supposed bacterial infection, however, they never found any bacteria.

After the 14 day course of antibiotics, he was home for one week, but exhibited strange symptoms (e.g. swollen eyelid, strange rashes, vomiting). I took him back to the hospital on July 15, where he presented with what they called an atypical Kawasaki disease. He passed away shortly thereafter from clots in his severely inflamed arteries. He died on July 17, 2021.

#### [CASE 2 \(VAERS ID 1166062\): 5 month old baby died March 20, 2021](#)

Mother received her 2nd dose of Pfizer vaccine on March 17, 2021 while at work. The next day on March 18, 2020, her 5 month old breastfed infant developed a rash and within 24 hours was inconsolable, refusing to eat and developed a fever.

Baby was brought to ER, blood analysis revealed elevated liver enzymes, was hospitalized but continued to decline and died on March 20, 2021 with diagnosis of TTP.

Babies who had serious reactions when COVID-19 mRNA vaccinated mothers were breastfeeding:

There are hundreds of these cases so I will only highlight a few:

#### [CASE 3 \(VAERS ID 1415059\): 3 month old baby had seizures from breastfeeding](#)

A mother from Pennsylvania wrote: "I received 1st dose of Moderna on June 18, 2021. I fed my three month old daughter milk that I pumped from my breasts later that night and put her to bed. When transferring her to her bassinet at approximately 11:30pm, she started a seizure that lasted seven minutes. We were transported to Hospital where she suffered two more seizures in the early morning hours of June 19th. She has been a healthy baby with no health conditions prior to these events.

#### [CASE 4 \(VAERS ID 930348\): Pfizer vaccinated mom's baby had seizures for 4 days](#)

A 33 year old mother from New Jersey writes: "I am breastfeeding. My daughter had seizure like episodes starting on Saturday 1/2, Sunday 1/3, Monday, 1/4 and 2 times on Tuesday 1/5."

#### [CASE 5 \(VAERS ID 1099241\): A 16 month old baby got hemolytic anemia](#)

A mother from California had J&J vaccine on March 10, 2021. Her 16 month old baby developed jaundice the next day and was admitted for evaluation of hemolytic anemia.

#### [CASE 6 \(VAERS ID 1543319\): 12 month old has swollen lymph nodes](#)

On Feb 1, 2021, the mother received 1st Moderna dose. The next day the nursing 12 month old infant developed fever and swollen lymph nodes in the groin.

#### [CASE 7 \(VAERS ID 1101777\): 14 month old boy has body rash all over](#)



A 29 year old mother from New York had Moderna and writes: "I'm breastfeeding my 14 month old son. A couple of days after I received my first dose of the Moderna vaccine, he broke out in red spots all over his body. A few days later, he developed a low grade fever. It's been one week since I was vaccinated. He does not have a fever anymore and the red spots are almost all gone."

[CASE 8 \(VAERS ID 917888\): 15 month old has rash and fever](#)

A 35 year old mother from New Mexico had one dose of Pfizer. She writes: " I am breastfeeding my 15 month old son and he got a rash on his abdomen and face that has progressed more over past several days. He has had no fever but acts like he doesn't feel great as he was not eating like his normal self. I don't know if the rash is related or not but it is during the time of the vaccine."

[CASE 9 \(VAERS ID 931851\): 5 month old baby has severe diarrhea & vomiting, almost died](#)

A 32 year old mother from Alaska writes: "I am currently breastfeeding my 5-month-old son. I received my first (Pfizer) vaccine on 12/28/2020 and directly breastfed within 4 hours of receiving the vaccine. Two days after my vaccine my son was at daycare and had two large diarrhea blowouts and two large emeses followed by a 1-minute episode where he was limp with entire body cyanosis and in-and-out of consciousness. He also had a maculopapular rash on his torso. EMS was called. He was observed in the emergency department for a few hours then recovered. He has continued to be well and back to baseline since the event."

[CASE 10 \(VAERS ID 970309\): 5 month old boy has vomiting, diarrhea, body rash and blood in urine](#)

A 30 year old mother from Connecticut had one Moderna jab. Two nights after her 1st Moderna dose, her 5 month old boy had violent vomiting, diarrhea, body rash, and hematuria.

[CASE 11 \(VAERS ID 1088716\): 4 month old baby had blood in stool](#)

A 29 year old mother from Kentucky had 1st Pfizer dose. She writes: "I am currently breastfeeding my 4 month old son. He started pooping blood 4 hours after my 1st dose of the vaccine. His next 3 stools were blood streaked and then returned to normal."

COVID-19 mRNA vaccinated mothers who had reactions related to breastfeeding:

[CASE 12 \(VAERS ID 976245\): Significant decrease in breast milk supply](#)

A 28 year old mother from Oregon had 1st Pfizer dose. She had arm soreness, lip swelling and numbness next day. She developed a significant decreased in breast milk supply starting 2-3 days after Pfizer and it did not recover. She had been breastfeeding her baby completely since birth in July 2020.

[CASE 13 \(VAERS ID 980782\): Breast milk turned green](#)

Mother had Pfizer vaccine. She noticed reduced breast milk production and her breast milk has turned green.

[CASE 14 \(VAERS ID 1022827\): Blood in breast milk after 1st Pfizer dose](#)

A 33 year mother from New Jersey writes: “I am breastfeeding. The first pump after my Pfizer shot ( three and half hours after) 2oz of blood was pumped from the right breast.”

#### [CASE 15 \(VAERS ID 1041373\): Had a miscarriage 10 days after Pfizer](#)

A 36 year old woman from Pennsylvania who was breast feeding her previous infant born in 2019, had 1st Pfizer dose on Dec.21, 2020. She was 4 weeks pregnant and had a miscarriage 10 days after Pfizer.

#### [CASE 16 \(VAERS ID 1154934\): Mom started bleeding after 1st Moderna dose](#)

A 37 year old woman from California writes: “The Moderna vaccine induced my menstruation. I am currently breastfeeding and had not been menstruating since becoming pregnant in January 2019. I had a baby since then and due to nursing on demand my period had not returned. Less than 24 hours after getting vaccinated I woke up to a moderate menstrual flow, bright red blood. I am still menstruating and experiencing mild cramping and bloatedness in my abdominal area. There was no prior indication this would happen before the vaccine. I had not even spotted before. My cycle has historically been very regular and I am certain the vaccine had something to do with stimulating my endocrine system and thus causing my menstruation.”

### History of COVID-19 Vaccine mRNA Found in Breast Milk

It is interesting to note that mRNA was found in breast milk as early as April 2021 in a paper by Low et al. ([click here](#))

It was then confirmed by Hanna et al. in Sep.2022 ([click here](#))

US Genomics Expert Kevin McKernan wrote a substack article about how mRNA ingested by the infant through breast milk, could exert clinical effects by:

1. COVID-19 vaccine mRNA is RNase resistant due to modified N1-methyl-pseudoU, so it doesn't break down easily;
2. Baby's oral mucosa can be transfected by mother's mRNA (contained in extracellular vesicles in breast milk);
3. Mother's mRNA can survive the baby's gut and digestive process.

His fascinating account of how mRNA is transported in breast milk can be found here: ([click here](#))

“Milk is considered as more than a source of nutrition for infants and is a vector involved in the transfer of bioactive compounds and cells. Milk contains abundant quantities of extracellular vesicles (EVs) that may originate from multiple cellular sources. These nanosized vesicles have been well characterized and are known to carry a diverse cargo of proteins, nucleic acids, lipids and other biomolecules. Milk-derived EVs have been demonstrated to survive harsh and degrading conditions in gut, taken up by various cell types, cross biological barriers and reach peripheral tissues. The cargo carried by these dietary EVs has been suggested to have a role in cell growth, development, immune modulation and regulation.”

Pfizer's Post Marketing report issued April 2021 with Adverse Event reports through Feb. 28, 2021:

Pfizer's documents give us some interesting information on page 12 ([click here](#)).

Breast feeding baby cases: 133, of which:

- 116 cases reported exposure to vaccine during breastfeeding (PT Exposure via breast milk) without the occurrence of any clinical adverse events;
- 17 cases, 3 serious and 14 non-serious, reported the following clinical events that occurred in the infant/child exposed to vaccine via breastfeeding: Pyrexia (5), Rash (4), Infant irritability (3), Infantile vomiting, Diarrhoea, Insomnia, and Illness (2 each), Poor feeding infant, Lethargy, Abdominal discomfort, Vomiting, Allergy to vaccine, Increased appetite, Anxiety, Crying, Poor quality sleep, Eructation, Agitation, Pain and Urticaria (1 each).

Breast feeding mother cases (6):

- 1 serious case reported 3 clinical events that occurred in a mother during breast feeding (PT Maternal exposure during breast feeding); these events coded to the PTs Chills, Malaise, and Pyrexia
- 1 non-serious case reported with very limited information and without associated AEs.

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FDA-CBER-2021-5683-0000065

Babies who were breastfed by COVID-19 mRNA vaccinated mothers had a 13% adverse event rate (17/133), and a 2% serious adverse event rate (3/133).

### My Take...

This new study published on Sep. 19, 2023 once again confirms what we've known since at least April 2021 - COVID-19 Vaccine mRNA is found in breast milk.

In this new study, 77% of COVID-19 mRNA Vaccinated mothers had mRNA in their breast milk which is absorbed by the baby through the gut into their circulation.

What is the safe amount of COVID-19 vaccine mRNA for a baby? The study says they don't know but I do. The answer is: ZERO.

Pfizer's own documents report that the rate of adverse events in babies who are breastfeeding from COVID-19 mRNA vaccinated mothers is 13% and serious adverse events occur in 2% of babies, including two baby deaths recorded in VAERS.

Most common reactions babies have to mRNA in breast milk are: fever and rashes, then diarrhea, vomiting, and sometimes more serious such as hemolytic anemia, bleeding in urine or stool, and seizures.

We now have a recent outbreak of myocarditis (heart inflammation) cases in babies < 28 days old, with 16 cases of myocarditis in the UK, including two deaths that are not reported in VAERS ([click here](#)). These cases COULD be due to mRNA in breast milk or LNPs with mRNA crossing the placenta before baby is born.

Mothers report decrease in breast milk production, breast milk discoloration (turns blue-ish or green-ish), sudden onset irregular or heavy menstrual bleeding, breast lumps, miscarriage and more.



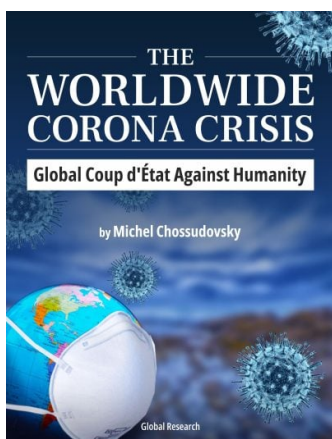
COVID-19 mRNA vaccination in breastfeeding mothers is NOT SAFE and never was. Any scientist or doctor who claimed otherwise was engaging in medical malpractice and must be held legally liable and accountable.

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Featured image is from [The Daily Bell](#)



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