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# Introduction

This file contains info on aluminum collected from the files tab of our Facebook group Vaccination Re-education Discussion Forum. These resources were compiled by members and have not been thoroughly checked for accuracy or if links still work. This is intended as a launching point for your own research compilation!

# Aluminum Ingestion and Absorption Rates

A 2004 article published by the FDA states:

Research indicates that patients with impaired kidney function including premature neonates who receive aluminum at greater rates than 4-5 mcg per kilogram of body weight per day accumulate aluminum at levels associated with central nervous system and bone toxicity.

1 Kilogram = ~2.2 Pounds

Aluminum content per vaccine:

Hib (PedVaxHib brand only) – 225 mcg per shot

Hepatitis B – 250 mcg

DTaP – depending on the manufacturer, 170 to 625 mcg

Pneumococcus – 125 mcg

Hepatitis A – 250 mcg

HPV – 225 mcg

Pentacel (DTaP, HIB and Polio combo vaccine) – 330 mcg

Pediarix (DTaP, Hep B and Polio combo vaccine) – 850 mcg

So doing some math — the following are examples of weight with their corresponding maximum levels of aluminum by daily consumption- aka eating it, per the FDA:

8 pound, baby can safely EAT: 18 mcg of aluminum

15 pound, baby can safely EAT: 34 mcg of aluminum

30 pound, toddler can safely EAT: 68 mcg of aluminum

50 pound, child can safely EAT: 114 mcg of aluminum

150 pound adult can safely EAT: 341 mcg of aluminum

350 pound adult can safely EAT: 795 mcg of aluminum

BUT WAIT, according to the CDC, INGESTED aluminum only ABSORBS at a rate of 0.01-5%: http://www.atsdr.cdc.gov/toxguides/toxguide-22.pdf

Meaning that:

8 pound baby can only safely ABSORB: 0.9 mcg of aluminum

15 pound baby can only safely ABSORB: 1.7 mcg of aluminum

30 pound toddler can only safely ABSORB: 3.4 mcg of aluminum

50 pound child can only safely ABSORB: 5.7 mcg of aluminum

150 pound adult can only safely ABSORB: 17.0 mcg of aluminum

350 pound adult can only safely ABSORB: 39.7 mcg of aluminum

Since vaccines bypass the digestive system entirely, they are not filtered out like they would be through digestion and thus absorb at 100%.

That Hep B given the day of birth? Is 249 mcg above safe absorption levels for a 8lb baby.

Average babies weighing around 12 pounds at their 2 month check up receive 1,225 mcg of aluminum via vaccines - more than 1,223 mcg more than the FDA and CDC state is safe for their tiny bodies to absorb.

# Aluminum Ingestion vs injection

Ingestion

Ingestion.. Once swallowed it is digested/broken down in hydrochlorie acid gastric juices, made into a sludge...from there it goes into the intestines where the gallbladder, liver, spleen work together to process out toxins, fat, sugars, the gut absorbs what is needed in the duodenum (the main absorption - & I know this also because I've had gastric bypass so I bypass my duodenum which causes malabsorption) & whatever your body can get out of leftover nutrients it does & it's absorbed systemically & turned into energy if can be, fat for storage & solids are eliminated by way of BMs.

Liquids are eliminated (& whatever can be reused is reabsorbed) by way of the kidneys. Through that process nothing escapes the liver which is your major cleaner. The spleen is a huge part of your immune system & your gut is one of the biggest parts of the immune system & that's why gut flora & good bacteria are so important...

Dysbiosis, leaky gut, gastroparesis, cancers, lots of meds including steroids, anti-rejections, antibiotics, autoimmunity, etc are big destroyers of the immune system. If you have leaky gut the food particles can leaky through the microscopic holes (created by the rhizoid shape bad yeast that overgrows & literally takes over & bores those holes) & settles in the peritoneal cavity (abdomen) & causes an immune response because it's viewed as a foreign body. Bad yeast can then become systemic (candida) & your immune system becomes so lowered.

Injections

All of these vaccines are given intramuscularly (IM) & it has a rapid absorption rate...this bypasses the liver for it's detox abilities & is directly distributed systemically (via bloodstream to everywhere).

After Injection, Where do the Toxins Go?

Your body will try to get rid of them but like all of us that know (& provax argue it's not true) vaccines force the body into a heightened immune response state because it's exposing it to these foreign viruses in an attempt to get it to always remember it so when/if ever exposed the ill period is less. If it was just solely the weakened virus then sure there's a chance it can do just that but we all know it isn't just the virus, its additives for preservatives, etc are mostly all toxins, so depending on what it is the body may be able to rid it off them & there's never any issues (& I'm truly jealous of these.people!) Or, if the body's ability to fight is reduced, suppressed or malfunctioning (going back to dysbiosis) then those toxins keep accumulating until it becomes too much for the the body to handle. It either leads to mild side effects or life-threatening effects that can prove fatal.

Once the toxins enter the bloodstream the normal means of removing them, like the gut, intestines, and gall bladder are bypassed. So how does the body get those toxins out of your bloodstream?

Toxins in the blood are attempted to be sought out, destroyed/consumed by phagocytosis (phagocytic cells). When someone is pretty sick blood work will return elevated white blood cells & other infection fighting cells (breaks down to neutrophils, etc). You may hear in cancer patients they become neutropenic which means they have abnormally low WBC putting them at risk for added infection (why it's absolutely the WORST to vax them during that period!!). Your spleen is a big part in infection fighting (& while you can live just fine without it you're then more susceptible to illnesses) & then your lymph system (swollen glands for example) sends out B & T fighter cells to attempting to destroy/eat infection-causing cells (and introducing viruses will jumpstart those fighter cells by way of a cell-mediated immunity because of an introduced antigen). B cells comes from the bone marrow & T cells come from the thymus gland. There are also cytotoxic T cells that target cancer causing cells & viruses. But lowered immunity because of these toxic vaccines can cause the opposite effects & explains why these fully vaccinated are getting diseases they were "immune" to.

When you have huge buildups of things like aluminum (a common preservative in vaccines) & the constant pushing of fluoridated products including drinking water - fluoride increases the bioavailability of aluminum, & allows it to cross the blood brain barrier....that's why Alzheimer's patients have record high levels of aluminum in their brains. And teething in babies creates a histamine release which also opens the blood brain barrier allowing vaccine preservatives to cross into the brain.

Since vaccines bypass the digestive system entirely, they are not filtered out like they would be through digestion and thus absorb at 100%.

That Hep B given the day of birth? Is 249 mcg above safe absorption levels for a 8lb baby.

Average babies weighing around 12 pounds at their 2 month check up receive 1,225 mcg of aluminum via vaccines - more than 1,223 mcg more than the FDA and CDC state is safe for their tiny bodies to absorb.

And why do aluminum levels matter? Aluminum builds up in the bones and brain and can be toxic to the body and its organs. Aluminum “can” cause neurological harm. Aluminum overdose can be fatal in patients with weak kidney’s or kidney disorders or in premature babies. (Aluminum Toxicity in Infants and Children, Committee on Nutrition, American Academy of Pediatrics, Pediatrics Volume 97, Number 3 March, 1996, pp. 413-416)”

Compiled by Manda Lin

# Aluminum Consumption and Neurotoxins

The definition of a neurotoxin is a substance that is poisonous or destructive to nerve tissue. The following are proven to be poisonous and/or destructive to the human brain and body overall and the following are found in vaccines:

"Common substances found in vaccines include:

-Aluminum

-Formaldehyde

-Monosodium glutamate (MSG) and 2-phenoxy-ethanol

-Thimerosal (a mercury-containing preservative)"

They don't magically not become poison because its a vaccine. And fun fact of the day: children's blood brain barriers have not developed, so these toxins have a free pass right to your kiddos brain. I know this link describes what its for, and thats wonderfully fantastic. However, even though they "serve a purpose" for being there, that still does not make them anymore less toxic or any less of a neurotoxin, or any less able to cross the blood brain barrier.

The argument of the vaccine pushers is that each vaccine only contains a tiny dose of these highly toxic substances, and therefore it's okay to be injected with them. But this argument makes a fatal error: U.S. children are now receiving over twenty vaccines by the time they're 6 years old! What's the cumulative effect of all these vaccines, plus the mercury from dental fillings and dietary sources? What's the effect of injected mercury on an immune-suppressed child living in a state of chronic nutritional deficiency? Answer: scientists don't know.

And one other fatal error: injecting the poison right into your body bypasses your body's systems that would normally filter it out.

We know that humans can ingest huge amounts without harm, since 99% of it passes out through the stools. So only 1% of ingested aluminum is absorbed.

Now let's look at the amount of aluminum babies consume:

"Breast milk contains 40mcg/L aluminum, milk-based formulas contain ~225mcg/L, and soy-based formulas contain ~500mcg/L."

1% of each of those amounts equals .4 mcg, 2.25 mcg, and 5 mcg. So their kidneys only have to filter about .4 to 5mcg of aluminum from daily milk/formula consumption.

However, 100% of INJECTED aluminum has to be filtered by the kidneys. So, the amount of aluminum in vaccines is not just 'a drop in the bucket' compared to consumed aluminum. .4 mcg - 5 mcg of aluminum from food sources pales in comparison to the 295 - 1225 mcg a child could receive in one day from vaccines (The exact amount depends on the brands given).

"The FDA limits IV solutions to 25 mcg (or .025 mg) because aluminum was causing neurological delays in premature babies and dementia in kidney dialysis patients. The toxic dose of aluminum for infants is 10 - 20 mcg. The Hepatitis B Vaccine given to newborns contains 250 mcg. Also, depending on the brand of vaccines given, at a typical 2 month old checkup a child receives anywhere from 295mcg - 1225mcg, and these vaccines are repeated at 4 and 6 months. [1] Doctors believe those high levels are okay since the aluminum has to be absorbed by the muscle tissue before it enters the blood stream where it is then (supposedly) filtered out by the kidneys."

"However, The NNii concedes that after being vaccinated, childrens' aluminum levels are above the minimal risk level. They then say that is not considered a problem because 50% - 70% is filtered out the next day. They haven't done any studies to determine what happens to the remaining 50% -30%. [2] Does this left over aluminum accumulate in brain and skeletal tissue?

The CDC says that large amounts of aluminum have been shown to cause neurological and skeletal delays in unborn and developing animals. [3]

The CDC also cites a study that found a "statistically valid" association between children with autism and thin bones. This study said that even the boys who were NOT on a casein-free diet had thinner bones than the control group. This surprised the researchers because they expected the group with autism to have thicker bones since they on average weighed more than the control group. [4]"

References:

[1] The Vaccine Book, by Dr. Sears

[2] http://www.immunizationinfo.org/vaccine\_components\_detail.cfv?id=61

[3] http://www.atsdr.cdc.gov/tfacts22.html

[4] <http://www.nih.gov/news/health/jan2008/nichd-29.htm>

# Aluminum Adjuvants

**Which Vaccines Contain Aluminum?**

• Hib (PedVaxHib brand only) – 225 micrograms per shot.

• Hepatitis B – 250 micrograms.

• DTaP – depending on the manufacturer, ranges from 170 to 625 micrograms.

• Pneumococcus – 125 micrograms.

• Hepatitis A – 250 micrograms.

• HPV – 225 micrograms.

• Pentacel (DTaP, HIB and Polio combo vaccine) – 330 micrograms.

• Pediarix (DTaP, Hep B and Polio combo vaccine) – 850 micrograms

# Scholarly, peer reviewed research:

**Published in the International Journal of Environmental Research and Public Health, 2015: *Exposure to Mercury and Aluminum in Early Life: Developmental Vulnerability as a Modifying Factor in Neurologic and Immunologic Effects***

source: [http://www.mdpi.com/1660-4601/12/2/1295](https://www.mdpi.com/1660-4601/12/2/1295?fbclid=IwAR2sQNybNaxLK0uDKNG4Bhw9MzHK4Ad3TjuA5-xXgeHSwBKBhxiSl9g9SeY)

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<https://pediatrics.aappublications.org/content/78/6/1150>

**PDF download to links of abstracts about aluminum and autoimmunity**

<https://documentcloud.adobe.com/link/track?uri=urn:aaid:scds:US:3bddb686-e011-4e4d-94d0-df2b0a4fee21>

**Empirical Data Confirm Autism Symptoms Related to Aluminum and Acetaminophen Exposure**

<https://www.mdpi.com/1099-4300/14/11/2227>

**Behavioral abnormalities in young female mice following administration of aluminum adjuvants and the human papillomavirus (HPV) vaccine Gardasil** (has since been withdrawn)

<https://vaccinesafetycommission.org/pdfs/05-2016-Immunol-Mice-HPV.pdf>

# CDC Safety Limits for Injected Aluminum (charts)

CDC Limits on Aluminum

|  |  |  |  |
| --- | --- | --- | --- |
| **Weight (pounds)** | **Weight (kilograms)** | **Min available; 3 mcg/kg/day** | **Max available, cannot exceed 5 mcg/kg/day** |
| 9 | 4.086 | 12.258 | 20.43 |
| 10 | 4.54 | 13.62 | 22.7 |
| 11 | 4.994 | 14.982 | 24.97 |
| 15 | 6.81 | 20.43 | 34.05 |
| 19 | 8.626 | 25.878 | 43.13 |
| 21 | 9.534 | 28.602 | 47.67 |
| 24 | 10.896 | 32.688 | 54.48 |
| 28 | 12.712 | 38.136 | 63.56 |
| 40 | 18.16 | 54.48 | 90.8 |
| 90 | 40.86 | 122.58 | 204.3 |
| 135 | 61.29 | 183.87 | 306.45 |
| 150 | 68.1 | 204.3 | 340.5 |
| 200 | 90.8 | 272.4 | 454 |

CDC Vaccine Schedule Aluminum Amounts

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Immunization Schedule** | | **Vaccine plus mcg aluminum** | **Total micrograms of aluminum injected** | **Overage of aluminum in micrograms** |
| Birth | 9 lbs | Hep B: 450 | 450 | **429.57** |
| 1 month | 10 lbs | Hep B: 450 | 450 | **427.3** |
| 2 months | 11 lbs | Pediarix (DTaP/IPV/HepB) 850; Hib: 225 | 1075 | **1050.03** |
| 4 months | 15 lbs | Pediarix (DTaP/IPV/HepB) 850; Hib: 226 | 1075 | **1040.95** |
| 6 months | 16 lbs | Pediarix (DTaP/IPV/HepB) 850; Pneumococcal: 125 | 975 | **931.87** |
| 12 months | 19 lbs | Hib: 225, Hep A: 225-250 | 450 | **402.33** |
| 18 months | 24 lbs | DTaP: 330-625 (depends on brand) | Greater than or equal to 330 | **330-625** |
| 2 year | 28 lbs | Hep A: 225-250 (depends on brand) | Greater than or equal to 225 | **225-250** |
| 4-5 years | 40 lbs | DTaP: 330-625 (depends on brand) | Greater than or equal to 330 | **330-625** |

Total mcg injected aluminum minimum 5360

Total mcg injected aluminum maximum 5775

# Aluminum in Vaccines ( PowerPoint by Neil Z. Miller)

Aluminum in Vaccines: A Neurological Gamble by Neil Z. Miller <https://archive.org/details/AluminumInVaccines/mode/2up>

# Aluminum Adjuvants and Autism

Do aluminum vaccine adjuvants contribute to the rising prevalence of autism?

Lucija Tomljenovic 1 , Christopher A Shaw

<https://pubmed.ncbi.nlm.nih.gov/22099159/>

Full PDF: <https://documentcloud.adobe.com/link/track?uri=urn:aaid:scds:US:466ef8b7-7fe1-4860-8af2-1acc2f1b0f87>

Abstract

Autism spectrum disorders (ASD) are serious multisystem developmental disorders and an urgent global public health concern. Dysfunctional immunity and impaired brain function are core deficits in ASD. Aluminum (Al), the most commonly used vaccine adjuvant, is a demonstrated neurotoxin and a strong immune stimulator. Hence, adjuvant Al has the potential to induce neuroimmune disorders. When assessing adjuvant toxicity in children, two key points ought to be considered: (i) children should not be viewed as "small adults" as their unique physiology makes them much more vulnerable to toxic insults; and (ii) if exposure to Al from only few vaccines can lead to cognitive impairment and autoimmunity in adults, is it unreasonable to question whether the current pediatric schedules, often containing 18 Al adjuvanted vaccines, are safe for children? By applying Hill's criteria for establishing causality between exposure and outcome we investigated whether exposure to Al from vaccines could be contributing to the rise in ASD prevalence in the Western world. Our results show that: (i) children from countries with the highest ASD prevalence appear to have the highest exposure to Al from vaccines; (ii) the increase in exposure to Al adjuvants significantly correlates with the increase in ASD prevalence in the United States observed over the last two decades (Pearson r=0.92, p<0.0001); and (iii) a significant correlation exists between the amounts of Al administered to preschool children and the current prevalence of ASD in seven Western countries, particularly at 3-4 months of age (Pearson r=0.89-0.94, p=0.0018-0.0248). The application of the Hill's criteria to these data indicates that the correlation between Al in vaccines and ASD may be causal. Because children represent a fraction of the population most at risk for complications following exposure to Al, a more rigorous evaluation of Al adjuvant safety seems warranted.