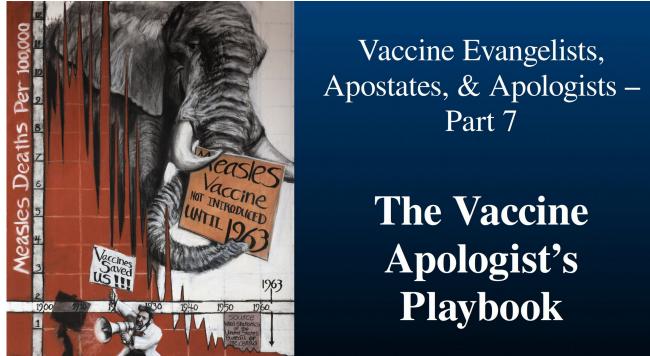
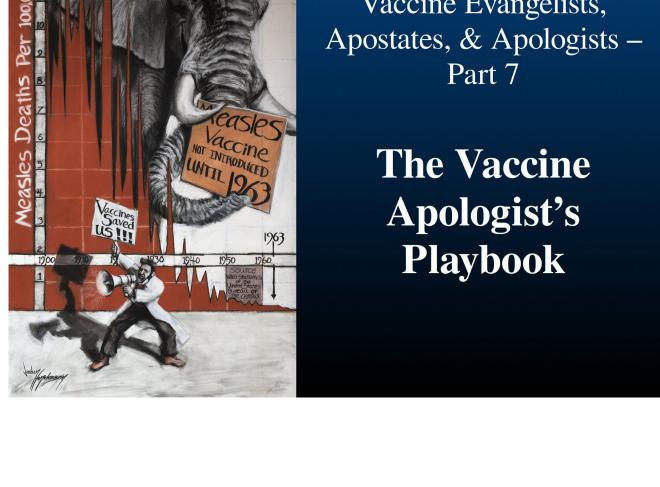
Vaccine Evangelists, Apostates, & **Apologists – Part 7: The Apologist's Playbook**





responsible for the plummet in Belgian diphtheria mortality, and then we'll cure that fanciful pro-vaccine notion with a dose of reality. Next I will sum up the principle strategies by which vaccine apologists attempt to dismiss the awkward little detail that the big, bold, pro-vaccine historical mortalitybased messages are directly contradicted by the historical mortality data – this summary is the *Vaccine Apologist's Playbook*. Following the playbook will be a discussion of the implications of what we have studied

of the vaccine debate that this series hasn't touched on at all due to these other areas lying outside the scope of this series. For the finale I'll close the series with a review of the Italian historical mortality data juxtaposed with vaccine introduction – the Italian mortality data is especially

First though, here are links to all the earlier essay installments of this series, and a table of contents for this essay installment.

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Part 4 – Spanish Death Data. Part 5 – The Apologists

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unsubstantiated claims about medical care. • Vax-Apologist Strategy #3 – The argument from the data we don't have.

• Vax-Apologist Strategy #2 – The *no duh* approach accompanied by

- Vax-Apologist Strategy #6 Direct defense of the narrative. • Vax-Apologist Strategy #7 – The Shameless Projection Gambit
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1. Belgian Diphtheria Vaccine

• Rounding out the alphabet – Vaccine Evangelism Exhibits U through Z.

diphtheria." "Thanks to widespread vaccination in Belgium since 1959, the number of cases has decreased considerably and the risk of a diphtheria epidemic is currently minimal." •1943: 16,157 cases and 982 deaths •1980 – 2012: less than 15 cases and 1 death (a person of Belgian nationality in *Moscow)* •2013: 1 case of respiratory diphtheria due to a toxigenic strain of C.ulcerans

themselves a very thin layer of plausible deniability. Sciensano proceeds to tell us about the historical mortality data rather than just showing it to us. They give us the number of diphtheria deaths in 1943 (982 deaths) to illustrate

the world before vaccines. Their message is clear enough, and can be summed up as so:

1. Diphtheria used to be a major cause of child mortality in Belgium.

2. Diphtheria is no longer a major cause of child mortality in Belgium.

3. Vaccination is the reason that diphtheria is no longer a major cause of child

What Actually Happened in Belgium.

mortality in Belgium.

5000

3000

1000

1870

before 1959.

1900

We'll revisit their message in a moment.

Belgium introduced routine diphtheria vaccination in 1959 (the vaccine had almost certainly been used in Belgium before then, (1930s) and was probably even mandatory 4000 under German occupation in WWII, but a truly routine program for all children was

Timeline:

deaths per year.

not established till 1959).

1959

1950

Even if one believes that diphtheria vaccinations are of any value at all, it is still

year either, as most the decline (95%) just since 1943 also occurred before 1959.

Sciensano's vaccine propaganda uses the exact same two truths and a lie formula that we've seen the health authorities in the USA, Spain, and Ireland, using, and they do it

inescapable that widespread diphtheria vaccination in Belgium in 1959 cannot be the primary reason for the diphtheria mortality decline, as almost all the decline occurred

Sciensano only provides us the 1943 statistic of 982 deaths for pre-vaccine era historical perspective, yet still, it is unavoidable that widespread vaccination beginning in 1959 cannot be the principle reason for Belgium no longer having 900+ diphtheria deaths a

for the same reason – to make it seem as if vaccination played the leading role in the historical reduction of infectious disease mortality. The Basic Two Truths and a Lie Historical Mortality Formula for Promoting Vaccines is as Follows (the same formula works for other countries and illnesses): 1. Diphtheria used to be a major cause of child mortality in Belgium. = 2. Diphtheria is no longer a major cause of child mortality in Belgium. = **TRUE** 3. Vaccination is the reason that diphtheria is no longer a major cause of child mortality in Belgium. = **FALSE** 2. The Vaccine Apologist's Playbook **Note:** This playbook is intended as a resource for anticipating pro-vaccine responses when they have had their pro-vaccine historical mortality propaganda debunked. If you're not planning on actively debunking pro-vaccine historical mortality based claims anytime soon, then you may not wish to study their responses in this much detail. Feel free to just skim through the playbook, stopping at what interests you and otherwise moving onto Section 3 of this essay – Revelation of Character and Conduct. This playbook is based on field observations of the vaccine apologists in their natural habitats – from the wilds of the blogosphere, to the orderly pages of government documents. The 15 Vaccine Apologetics Case Examples documented and reviewed in Parts 3, 5, and 6 of this essay series are the principle basis from which I am drawing my observations for writing this playbook. The vaccine apologists do regularly publish their own playbooks. For example, the Australian Government document, Responding to arguments against vaccination - a guide for providers (which we reviewed as Vaccine Apologetics Case Example 9 last essay), is a clear example of a playbook for vaccine apologists. Case Example 5 from last essay, the CDC's <u>Some Common Misconceptions about</u> vaccination and how to respond to them, is also a clear example of a playbook for vaccine apologists. The vaccinationists are currently working on newer, better playbooks. For example, <u>JitsuVax</u> is an EU funded multi-university collaboration working on a slick, interactive, vaccine apologist's playbook, designed to guide the apologist to the right answers to specific anti-vax talking points, and provide them with insight and guidance for responding to anti-vaccine arguments.

matter much to the vaccine discussion, and so forth. Here are the ways they do that:

Vax-Apologist Strategy #1 - Conflate historical arguments

In this strategy the apologist acts as though the primary or sole purpose of the anti-vaccine graphs and historical mortality based arguments is to show vaccines as inefficacious. The apologist points out that most mortality graphs don't tell us much about vaccine efficacy. The apologist finishes with accusing the anti-vaxxers of being intellectually dishonest and logically fallacious. (See Figure 43 in <u>Part 5</u>, for more details on how this strategy works.)

Some of the most popular messages preached by the vaccine evangelists involve crediting vaccines for a large portion, up to most or all, of the infectious disease mortality decline from what it was in the early 20th and late 19th centuries to what it is now. (see Vaccine

These are simple, easy to understand messages that powerfully illustrate the value of

The difficulty for the vaccinationists is that these popular talking points of theirs are

When people find this out, such as when vaccine apostates graph out the historical

"If they've been misleading us on this aspect of vaccines, where else have they been

This is where the vaccine apologists step in and assure everyone that really the

mortality data and show it to people, this undermines people's faith in vaccines, and may

misleading us? Have they been exaggerating the safety of the vaccines, and omitting crucial

vaccinationists haven't been misleading anyone, and that it is really the anti-vaxxers who are being misleading by bringing this up at all, and that the historical mortality data doesn't

(The three that did not use this strategy were Case Examples 3,4, and 7. Case Examples 3, and 4 were direct defense of the narrative and so did not need to pivot to notifications. Case Example 7 did pivot to case notifications, but instead of using conflation to do that they mostly used the argument from the data we don't have, which we'll look at in a moment.

care. When someone debunks a pro-vaccine historical mortality related talking point, the vaccine apologists of course want to avoid conceding that the anti-vaccinationists had a valid point, or that the vaccinationists had been deceptive. They do this by using the no

duh approach to make it seem like the vaccinationists had never been trying to credit

vaccines with most of the infectious disease mortality decline to begin with. The apologist acts as if vaccines having had very little (if anything) to do with the historical infectious disease mortality declines is the sort of thing that would come as no surprise to anyone. They treat it as brutally obvious that most of the mortality decline would have occurred without the vaccine. They don't, of course, say that most of the mortality decline occurred

This is the 7th and final installment of this essay series. Here is the itinerary of the final installment: It's been a while since the publication of the 6th installment, so to get back in the rhythm of the series I'll kick off this installment with some classic antivaccinationist fun – juxtaposing pro-vaccine propaganda with the reality that directly contradicts it. We'll look at how an illustrious Belgian institution attempts to deceive the reader into believing that Belgium's 1959 routine diphtheria vaccination program is in this essay series. I'll also provide (in an appendix) suggested reading for other areas

noteworthy for reasons that will be discussed momentarily. Links to the earlier essay installments.

1. Belgian Diphtheria Vaccine Propaganda vs What Actually Happened • What They (Sciensano) Would Have You Believe Happened in Belgium. What Actually Happened in Belgium.

• Vax-Apologist Strategy #1 – Conflate historical arguments with efficacy

• Vax-Apologist Strategy #4 – The whooping cough warning story. • Vax-Apologist Strategy #5 – Pointing to that same, one, Canadian measles case notifications graph.

• Measles vaccines saved 17 mill . . . wait, no – 56 million lives! – The impressive

exponential growth of the simulated number of lives saved by measles vaccination!

- First document the position of the goal posts, then kick the ball 5. Child mortality reduction, late vaccine introduction, and low vaccine coverage in
- Meningitis Mortality in Italy 1887 2003 6. Summary

• Whooping Cough Mortality in Italy 1887 – 2003

• The Philosophical side of the vaccine debate

• Measles Mortality in Italy 1887 – 2003

Propaganda vs What Actually **Happened**

What They (Sciensano – Belgium's Institute of Public

The following excerpts are from the <u>diphtheria page on the website of Sciensano</u>.

But the bacteria are still in circulation and vaccination is the only way to prevent

Health) Would Have You Believe Happened in Belgium.

"In the past diphtheria was a major cause of death among children. Thanks to widespread vaccination in Belgium since 1959, diphtheria has almost disappeared from our country.

- •2014: 0 cases •2015: 3 cases of cutaneous diphtheria, 2 related to a toxigenic strain of C. ulcerans and 1 due to a toxigenic strain of C. diphtheriae •2016: 1 fatal case of respiratory diphtheria in a 3-year old unvaccinated child" Sciensano leads with talking about *death*, and then they switch to talking about vaccination reducing *cases*. This allows them to strongly imply that vaccination is the reason for diphtheria no longer being a major cause of death in Belgium, while leaving
- Figure 60 6000

Diphtheria Deaths

Belgium 1870 – 2018

In the five years 1870 to 1874, Belgium recorded an average of 5,227 diphtheria

In the five years before routine diphtheria vaccination was introduced in Belgium, the years 1954 – 1958, Belgium recorded an average of **33.2** diphtheria deaths per year.

Belgian diphtheria mortality had fallen by

The WHO Mortality Database

This graph may be freely shared. It is from the essay, Vaccine Evangelists, Apostates, and Apologists - by Jordan Henderson

2000

18

- 157 fold (**99.36**%) before routine diphtheria vaccination in Belgium. **Data Sources:** 2000 The Statistical Yearbooks of Belgium
- With so many literal vaccine apologist's playbooks already out there, and the next generation of vaccine apologist's playbooks in the works and already functional, what am I bringing to the table with another vaccine apologist's playbook? I'm bringing the one where the quiet parts are said out loud. This playbook is more specialized, too; it's centered solidly within this essay's scope: the matter of vaccines being credited for what they did not do (credited as being the major reason for the historical infectious disease mortality declines).

Let' recap the predicament the apologists are in.

Evangelism Exhibits A through Z in parts 1, 4, and 7).

vaccines and help encourage the public to get vaccinated.

directly contradicted by the historical mortality data.

prompt them to ask:

information there, too?"

with efficacy arguments.

auxiliary strategy.

The obvious usage of the graphs for testing pro-vaccine claims that directly relate to historical mortality data is simply ignored by the apologist. That the vaccinationists themselves promote vaccines with historical mortality based arguments is sometimes denied (such as Case Example 2), but most often just ignored.

How popular is this strategy? 12 out of the 15 Vaccine Apologetics Case Examples reviewed in this essay series used this strategy either as their main strategy or as an

Case Example 5 (CDC) makes no mention of graphs, but does of pre-vaccine declines which the CDC treats as being related to case notifications only, and so I have counted Case Example 5 as having used a variant of this strategy.) **Vax-Apologist Strategy #2 – The** *no duh* **approach** accompanied by unsubstantiated claims about medical

without the vaccine, no not like that, instead they understate it by just saying that mortality rates were declining. After this they often make the unsubstantiated claim that the pre-vaccine decline was because of medical care. If they offer any example to try to substantiate this it's usually

polio and the iron lung (see A close look at Gorski's iron lung example from Part 5 of this essay series). Sometimes they are more reasonable and mention some other factors such as nutrition, and living conditions too, but their preference is to make medical care out to be the main reason – often mentioning medical care only. Presumably because they don't want people thinking that the disease had become far less of a threat. Better to keep people thinking of kids on scary life support systems as the main reason for the mortality decline. Make the possibility of a world without vaccines look dreadful.

How popular is this strategy? **9 out of the 15** Vaccine Apologetics Case Examples reviewed in this essay series used the *no duh* approach accompanied with unsubstantiated claims about medical care.

data that we do have (death).

story.

Those were case examples 1, 2, 5, 6, 7, 8, 11, 14, and 15.

we don't have. Here the apologists invoke the historical serious disease complications sorted by cause data that we don't have, to downplay the historical serious disease complication sorted by cause

Vax-Apologist Strategy #3 – The argument from the data

They point out that illnesses can cause all manner of other grave consequences besides death. They themselves don't provide any such data that is comparable to the historical mortality data, they simply point out that the anti-vaxxers didn't provide this data (which

they can't find either, but they don't mention that). After stressing the importance of serious disease complications to downplay death data,

the apologist refocuses the conversation on case notifications. That case notifications are a far cry from serious disease complications data, they don't acknowledge; they just act as if somehow case notifications have more to do with serious disease complications than does death. Sometimes they round this out by using the anti-vaccinationist's focus on mortality data

instead of case notifications data as a reason for accusing the anti-vaccinationists of being heartless, callous people who don't care about the suffering of children – the implication being that if they really cared about the suffering of children they would be more concerned with case notifications data rather than death.

How popular is this strategy? 5 out of the 15 Vaccine Apologetics Case Examples reviewed in this essay series argued from the data that we don't have. Those were case examples 1, 2, 7, 14, and 15.

Vax-Apologist Strategy #4 – The whooping cough warning

To give the impression that without vaccines mortality rates would soar, the apologist invokes the whooping cough warning story. Usually this involves pointing to what

happened in Sweden, the UK, and Japan when pertussis vaccination rates in those countries fell.

something much more frightening and impactful; they need to make it seem like mortality went up too. To give the idea that mortality went up, rather than down or stayed the same, they either use Japan mostly and imply that the same thing happened in the UK and Sweden, or they

Unfortunately for the vaccinationists, in most places where the pertussis vaccination rates fell, so also did pertussis mortality, or it stayed low, which contradicts the message they want to push. They can talk about case notifications going up, but as always they need

simply mention the deaths that occurred in the UK after vaccination rates fell and act as if it was more than when vaccination rates were higher. How popular is this strategy? 4 out of the 15 Vaccine Apologetics Case Examples

reviewed in this essay series used the whooping cough warning story.

notifications graph.

Those were case examples 2, 3, 5 and 9 Vax-Apologist Strategy #5 - Claim that anti-vaccine historical mortality graphs are in general dishonest, then point to that same, one, Canadian measles case

Pretty self explanatory: The apologist begins by claiming that anti-vaccine historical mortality graphs are in general intellectually dishonest. Then if they want to appear as if they actually have a basis for this claim they need something to point to. Unfortunately for the vaccine apologists they don't have many examples of anti-vaccine

graphs that are actually intellectually dishonest. In fact the only example I see them point to that really is intellectually dishonest, isn't even a mortality graph at all. It's that same, one, Canadian measles incidence graph covered in the 2010 Gorski article (which we

reviewed in this essay series as part of Case Example 2, in <u>Part 5</u>).

measles case notifications graphs (by citing Gorski).

bold, historical mortality related pro-vaccine claims.

direct defense is untenable if subjected to any serious scrutiny.

to prop up the pro-vaccine historical mortality related beliefs.

major role in the infectious disease historical mortality declines.

strategy incorporating some direct defense).

the vaccinationists have hidden.

vaccinationists have been making.

Those were case examples 2, 6, 7 and 12

apologetics as we have done and will therefore not know that the apologists who make this claim about anti-vaccine historical mortality graphs are all pointing at the same anomalous example as their "representative" example.

No matter – the apologists need something to point to. If they can only think of one

example which isn't even a mortality rate graph, then they make do with what they have.

Vax-Apologist Strategy #6 – Direct defense of the narrative. This is a strategy for only the most daring of the vaccine apologists. It does not involve

trying to reroute the conversation to notifications data, nor do the audacious apologists who attempt direct defense worry about gaslighting their audience into forgetting about the big,

No, none of that: these apologists attempt to directly defend the claims that their fellow

There is simply no easy way for them to do this. Foolhardy bravery notwithstanding, the

general intellectually dishonest, and then backed this up by pointing to that same Canadian

unsuspecting parents, but it must not have worked too well as I don't see them trying it now. Ian A. York (Case Example 4) fabricated a data point and left out a half century of data in his attempt at direct defense. That backfired just about immediately and he was backtracking in no time.

The Australian government health agency (Case Example 9) was a little more clever using

attempting a direct defense later using their own historical mortality graphs. In these they provided as little of the relevant information as they could get away with while still trying

a hybrid strategy of rerouting the conversation to case notifications data, but then still

How popular is this strategy? **3 out of the 15** Vaccine Apologetics Case Examples reviewed in this essay attempted to directly defend the belief that vaccines played the

Those were case examples 3, and 4 (direct defense as primary strategy) and 9 (hybrid

Vax-Apologist Strategy #7 – The Shameless Projection **Gambit**

I call this the shameless projection gambit because it is an attempt to get the attention away

vaccinationists of hiding information, whenever they (the anti-vaccinationists) reveal what

from the fact that vaccinationists regularly hide/omit information by accusing the anti-

When anti-vaxxers expose this by showing people the big picture, the vaccine apologist first concedes that the maximum theoretical contribution of vaccines to the mortality decline is so little as to be unnoticeable in the big picture (they don't say it so plainly though), then they use this as the basis for accusing the anti-vaxxers of being the ones who are hiding something (by showing what the vaccinationists have been omitting). The apologist insists that the only reason the anti-vaccinationists are showing you the big

"This is the problem with the anti-vaccine graph, it is deliberately zoomed out so far that you

representation. It's not zoomed in as an effort to conceal something, rather it is zoomed in because that is the only way to see that vaccines did actually have an important impact." From the article Yes, vaccines did save us from disease: a graphic analysis (which we

So this strategy is an add on to the *no duh approach*. The apologist acts as though it is

decline was so little as to be unnoticeable in the big picture and that therefore the only

reason to show the big picture is to hide the theoretical contribution of vaccines.

already well known that the maximum theoretical contribution of vaccines to the mortality

picture is to hide the alleged contribution of the vaccine. Like this:

reviewed last essay as Vaccine Apologetics Case Example 11)

Those were case examples 6, and 11.

Malon says (emphasis mine):

introduction.

examples.

by the authors.

a moment to do that.

alleged contribution of the vaccines.

all the way back to 1864.

historical perspective as they could.

the historical mortality decline.

care.

vaxxers would do that? It simply depends on this:

certainly seems to think it was 1968.

can't see the impact of vaccines. That is why the pro-vaccine graph is a better

They avoid seeing the obvious usage of the graphs for debunking vax-evangelist historical mortality based claims, by, as usual, simply not acknowledging that their fellow vaccinationists have been preaching the messages that they preach.

graph focused on a relevant time frame. It's not like anyone looking at this doesn't already know that mortality from all causes was much higher in the 19th century than in the 20th." That's a good case of shameless projection combined with the *no duh* approach. She in effect insists that it would come as no surprise to anyone to learn that the maximum theoretical contribution of the vaccine to the measles mortality decline in England is a fraction of a percent. Therefore according to Mallon, the only reason to look at the big

The article begins with a focus on mortality rates, because vaccine proponents invoke mortality to illustrate the value of the vaccines. Bystrianyk and Humphries

whole article that she was critiquing, doesn't know it's title, doesn't know what it's actually about having missed the intro, and apparently didn't realize this. I wasn't sure what to do with something *that* sloppy so I left it out of the case examples. Brief interlude to debunk the Shameless Projection Gambit.

These claims that the only reason to show the whole data set is to hide the theoretical

The first way to debunk the Shameless Projection Gambit is to simply point out that

A second way to debunk the Shameless Projection Gambit is this:

English measles mortality graph that goes all the way back to 1838.

because vaccine evangelists regularly invoke the pre-vaccine era in the 19th and early 20th centuries to illustrate the world before vaccines, then we have to show the whole data set reaching back into the 19th and early 20th centuries in order to thoroughly debunk those claims, and illustrate just how detached from reality those pro-vaccine messages are.

Pro-vaccine advocates who want to maximize the impression of the vaccine's contribution also use entire data sets going back deep into the 19th century. This establishes beyond

doubt that there are other reasons to use the whole data set besides supposedly hiding the

Ian A. York's pro-vaccine post Measles deaths, pre-vaccine (Case Example 4) used an

The Irish health board's *Vaccination - Your Child's Best Shot*" section of their <u>MMR</u>

<u>Information Pack</u> (Case Example 5) used a graph of the Irish pertussis mortality that goes

The Australian Government's – <u>Responding to arguments against vaccination - a guide for</u> providers (Case Example 9), tried to make it seem as though they had provided as much

Why then do some vaccine apologists, including government agencies, use the entire data set, or at least pretend that they have, while other vaccine apologists insist that only anti-

If they are trying to defend what their fellow vaccinationists are actually preaching, then they need to make it look as though vaccines played a major, preferably foremost, role in

On the other hand, if they have decided that they simply can't pull off a direct defense of the misconceptions that their fellow vaccinationists have been preaching, then they need to

act as if their side hasn't been, and isn't, making such claims to begin with, and gaslight

contribution of the vaccine, can be easily debunked in a couple different ways. So let's take

which each strategy showed up. 80% – Conflated historical arguments with efficacy arguments **60%** – Used the *no duh* approach accompanied by unsubstantiated claims about medical

33% – Employed the argument from the data we don't have.

we have conducted in this essay series reveals that the vaccine advocates' standard approach is to tell us whatever they think that we need to hear in order to convince us to do what they think that we should do – get vaccinated, and support vaccination.

The study of the vaccine evangelist messages (Exhibits A through T in parts 1 and 4) that

Most readers won't conduct a study of 15 different examples of this kind of vaccine How popular is this strategy? 4 out of the 15 Vaccine Apologetics Case Examples reviewed in this essay series claimed that anti-vaccine historical mortality graphs are in

The Irish health board (Case Example 3) relied on the public's unfamiliarity with logarithmic scales to attempt the direct defense. I'm sure they fooled plenty of

It is the vaccinationists who regularly omit the "detail" about almost all the mortality decline for various infectious diseases having occurred pre-vaccine, or without a vaccine at all.

How popular is this strategy? 2 out of the 15 Vaccine Apologetics Case Examples reviewed in this essay series used the shameless projection gambit and accused anti-

vaccine graphs of hiding the impact of vaccines because they showed the big picture.

picture is for the purpose of burying the fraction of a percent that represents the maximum theoretical contribution of the vaccine. **Note:** I didn't include Mallon's article as a case example of vaccine apologetics because she doesn't appear to have ever read the article that she is criticizing and doesn't know

what it's title is. If you care to know how I know this here is a brief explanation – (otherwise just scroll on down to the debunk of the shameless projection gambit).

"Roman Bystrianyk and Suzanne Humphries have a cherry to pick with proponents of vaccination. Their article on the measles vaccine was recently published on Health Impact News's Vaccine Impact website under a heading promising us a mouthful of

The actual article by Bystrianyk and Humphries is titled "Was the Introduction of the Measles Vaccine Responsible for Wiping Out Measles?" although the article barely even touches on that question, which is related to incidence of measles. Instead, the authors begin

impacted truth: The Truth About Measles the Mainstream Media is Suppressing.

documented examples of historical mortality based vaccine evangelism at the beginning of their article. Mallon either never read the introduction of the article or pretends not to have.

Health Impact News did not publish Roman Bystrianyk and Suzanne Humphries'

The article *is not* about measles vaccines specifically as Mallon claims. It is about

vaccines in general with whooping cough, measles, and scarlet fever as case

Mallon does have a valid point against the Health Impact News subheading, just not against the actual article. The Health Impact News' article used an inappropriate

subheading, and butchered the Bystrianyk and Humphries article by leaving out the

Why did Mallon claim that the Health Impact News' subheading was the actual article's title? Most likely because she never followed the links back to the original article, or she pretended not to have. If she didn't follow the links back then she wouldn't have read the article's introduction and would never have seen the actual title or key evidence presented

Mallon's sloppy journalism didn't stop there. For example: she confidently asserted and insisted, citation free, that England did not introduce the measles vaccine in 1968 but instead in 1963. She really should have cited a source because the UK government

article's introduction which set the stage and provided key evidence.

article, they only published an excerpt of it – they cut the entire original

At a Glance Summary and Prevalence in Percentages

their audience into believing that these claims are not being made.

We have seen that we cannot count on them to tell the truth and furnish us with the most relevant information; we can only count on the vaccinationists to tell us information that makes vaccines look good. We can also predict that no matter how relevant and critical certain information may be, they will omit that information if it looks bad for the vaccines, and if they can get away with omitting it. The vaccine evangelist messages are so far removed from reality that most of the vaccine apologists do not even attempt to defend them and instead spend all their time rerouting conversations, conflating distinct ideas, engaging in shameless projection, gaslighting, and even going so far as to outright deny that their side has been preaching the messages that

27% – Invoked the whooping cough warning story. 27% – Pointed to that same, one, Canadian measles case notifications graph. **20%** – Attempted direct defense of the narrative. 13% – Used The Shameless Projection Gambit That concludes the Vaccine Apologist's Playbook. 3. Revelation of character & conduct

While the "net" I cast of 15 Vaccine Apologetics Case Examples only picked up two instances of this strategy, I've seen this strategy crop up elsewhere. Here is a very clear example: Melanie Mallon used the shameless projection gambit in her 2015 article The TRUTH about Bad Measles Charts the Mainstream Media Is Suppressing published on SkepChick. She looked at a graph which showed that nearly 100% of the measles mortality decline in England had occurred pre-vaccine and stated: "There's only one reason to start this graph in 1838: to increase the scale so that the death rate appears even smaller in the years before the vaccine was introduced than it would if the

with a focus on mortality rates, which makes sense if you believe vaccines fight death, not disease." Mallon's basic statements about the article she is criticizing are incorrect. • The original article is not titled "Was the Introduction of the Measles Vaccine Responsible for Wiping Out Measles?" That is a subheading on the Health Impact News article. The actual article is titled <u>Vaccines: a peek beneath the hood</u>.

the *no duh* approach. However, no matter what one thinks about vaccines, Mallon's article is fatally flawed for the reason that she never read, or pretends to have never read, the

In sum, Mallon's article is a great example of the shameless projection gambit following

Presented below, based on our 15 Vaccine Apologetics Case Examples, are the seven most common vaccine apologist strategies used to counter anti-vaccinationists who have debunked the pro-vaccine historical mortality related messages (such as the messages in Exhibits A through T in parts <u>1</u> and <u>4</u>). Listed here is the percentage of case examples in

they are still preaching (Gorski in Case Example 2, Part 5. of this essay series). **Firm Grounds for Distrust** Most of us, myself included, do not have the time, means, and relevant expertise to put to the test every single one of the myriad claims and pronouncements made by the vaccinationists, but most of us can test at least some of those claims. We have done that. In this study of the vaccinationists (this essay series), we have tested their powerful historical mortality related claims (their Graveyard Gambits, and Lifespan Lectures, and Bait and Switch preaching).

We tested them; they failed. Furthermore, we know that they will generally not admit wrongdoing on their side, even when it has been firmly demonstrated. The apostates caught them red handed, and debunked their messages fair and square. The vaccinationists did not acknowledge their error and course correct. They instead responded by closing ranks, plowing ahead, and doing what they could to make the messenger (anti-vaccinationists) look like the villain.

Therefore we not only have good reason not to trust the pronouncements of vaccine experts – the pediatricians, immunologists, public health authorities, and so forth – but knowing what we know, it would be unreasonable and irrational for us to take them at their word.

Not being able to test the experts in a certain area is no reason to trust them – that would be an argument from ignorance. Consequently, even when we do not have the time, or do not have the means or expertise, to put to the test a vaccinationist claim, we nonetheless

are fully justified in doubting the vaccine expert's pronouncements, because: The cumulative evidence of widespread deception on the part of vaccine experts and advocates is enormous. That presented in this essay series alone is sufficient grounds for strong distrust.

The takeaway lesson I see is this: when we do not have time or means to test a vaccine claim from authoritative sources like government health agencies, prominent vaccine

developers, and doctors, we must rely on our knowledge of the character and conduct of the vaccinationist camp from the instances in which we could put them to the test. When we did put them to the test, such as we did in this essay series, we found that they are deceptive, omit critical information, and do not admit their wrongs when challenged but instead close ranks against the critics. Rigging the risk benefit analysis

When vaccine advocates tell us whatever they think that we need to hear in order to

convince us to do what they think that we should do (get vaccinated, and support

vaccination), they are feeding the public information that in effect rigs people's informal risk benefit analysis to ensure that people's risk benefit analysis comes down solidly in favor of vaccines. They do this by making the alleged benefits of vaccines seem as great as

possible while making the risks seem as small as possible. People "know" that without vaccines we would see our local cemeteries crowded with ever more tiny headstones as our children drop dead to the scourges of the Victorian era. We would see our lifespans shortened by decades. The air would fill with dreadful sounds of children gasping for their last breath as they succumb to whooping cough, and diphtheria. If people swallow the pro-vaccine historical mortality related claims and believe that

early 20th centuries, then the benefit side of vaccines is stacked so heavily you might as well not even bother weighing the risks. When it comes to exaggerating the alleged benefits of vaccines, the vaccinationists certainly don't leave all their eggs in one basket. Wherever they can, they say whatever

vaccines really are the reason these illnesses don't strike us the way they did in the 19th and

as possible. We've seen this with historical mortality related claims. I'll provide you with another example of them doing this to illustrate my point further. Measles vaccines saved 17 mill . . . wait, no – 56 million lives! – The impressive exponential growth of the

simulated number of lives saved by measles vaccination! The CDC on their webpage *Fast Facts on Global Measles, Rubella, and Congenital* Rubella Syndrome (CRS) Flatly state: "Measles vaccines saved more than 57 million lives worldwide between 2000-2022."

The WHO makes this statement in fact sheets too. "Measles vaccination averted 56 million deaths being between 2000 and 2021" & "Accelerated immunization activities by countries, WHO, the Measles & Rubella

partners successfully prevented 56 million deaths between 2000–2021." That's from the WHO's measles *Fact* sheet.

Partnership (formerly the Measles & Rubella Initiative), and other international

number is generated by running a simulation on a model. They've been generating impressive sounding numbers of lives saved by running simulations on models for years.

hypothetical number of deaths that they think there would have been in a no vaccine

In order to generate more and more impressive sounding numbers they keep inflating the

Just a few years back their measles vaccine simulations generated 1.2 million lives saved per year. Between 2000 and 2014 measles vaccination saved an estimated 17.1 million

year. Between 2000 and 2021 measles vaccination saved an estimated 56 million lives! What is going on here? How did we go from 17.1 million lives saved by the measles

vaccine between 2000 and 2014, to 56 million between 2000 and 2021?

million by 2021? No, they just inflated the hypothetical number of measles deaths that they say there would have been in a no vaccine scenario across the entire time period (back to 2000), yielding

Were an additional 39 million lives saved by the measles vaccine in just 7 years? For 14 years from 2000 to 2014 the measles vaccine saved an average of 1.2 million lives each

year, and then after 2014, it saved on average 5.6 million lives, bringing us up to 56

for them a larger simulated number of lives saved for every year in their simulation.

of death records. In the 2005 WHO Bulletin Counting the dead and what they died from: an assessment of the global status of cause of death data the authors found that: "At the end of 2003 data on death registration were available from 115 countries, although they were essentially complete for only 64 countries. Coverage of death

registration varies from close to 100% in the WHO European Region to less than 10%

Registration and Vital Statistics System which produces timely, high-quality mortality

There are over 190 countries, so to this day we're only looking at about a third of the

"Only about 60 countries, mainly high-income, have a well-functioning Civil

Spain, that we have reviewed, most countries do not, and have not, kept detailed cause

world's countries having this data. This lack of data is a major advantage to Vax-Evangelists preaching globe spanning (as opposed to country specific) messages about lives saved and deaths averted by vaccination. They don't have to worry about being contradicted by the hard data . . . because no one has

<u>Fooling Ourselves on the fundamental value of vaccines</u>. He also generously provided this chapter from his book as an article online which you can access over at <u>TheRealAustralianSceptics</u>, and I highly recommend reading it, as he covers aspects of their simulations that I won't be covering here.)

These numbers, generated from simulations, run on models, are as far from factual as you can get. But the CDC and WHO present these numbers as though they are facts.

This supports my contention that vaccinationists will usually say whatever they can get

away with saying to make vaccines look as good as possible. Presenting these

impressive hypothetical numbers as though they were facts looks very good for

Measles vaccines save X number of lives circular

(Greg Beattie covered the early versions of these measles vaccine simulations in his book

evangelists and apologists alike. Even when vaccinationists acknowledge that the number is an estimate, they are engaging in circular reasoning if they use it as evidence of the vaccine's alleged beneficial impact, because the simulation involves the assumption that the vaccines have had the intended impact.

Vaccination data is one of the data types they are using in their simulation. They say that

"The measles mortality model used to generate estimated measles cases and deaths is rerun each year using the new and revised annual WHO-UNICEF estimates of national immunization coverage data as well as updated surveillance data." You do not need to know how many people got vaccinated in order to estimate measles mortality *unless* you are using the vaccination data as part of your equation by making

assumptions about the effectiveness of the vaccines. If you do that, then you can't use your estimate as "evidence" of the vaccine's impact because you just assumed what the

real world efficacy of the vaccine is as part of your equation.

efficacy," That's from their 3rd reference, the paper <u>Estimation and prediction for a mechanistic</u> model of measles transmission using particle filtering and maximum likelihood estimation

This essay series sprang initially, in large part, from my identifying the need for a cleanup exercise to remove obstructions and pave the way for the unencumbered use of death rate graphs for debunking Vax-evangelist messages. The cleanup I saw a need for was to gather up, study, and dissect all the most common pro-vaccine attempts at dismissing death rate graphs.

If you are considering engaging in the good work of spreading vaccine realism, for the

debunking the pro-vaccine historical mortality based messages is an excellent place to

Based on my observations of the vaccine debate itself, I'll offer a recommendation on

We know that most anytime anti-vaccinationists debunk the vaccinationists fair and

square, the vaccinationists will simply pick up the goal posts, reposition them somewhere

First document the position of the goal posts, then kick the

something to do first, before presenting the historical mortality data.

benefit of your friends, family, and/or audience (if you are a writer or podcaster),

Many vaccine skeptics have already taken care to do this: Beattie opened his book Fooling Ourselves on the fundamental value of vaccines with a detailed example of the vaxevangelist's Graveyard Gambits. Bystrianyk and Humphries opened their article *Vaccines*: a peek beneath the hood with numerous examples of historical mortality based vaxevangelism. The 2023 publication of <u>Vacunación Libre</u> provides various examples of historical mortality based vax-evangelism as preached in Spain before they go on to debunk those messages. And of course in this essay series I began with extensive documentation of historical mortality based vax-evangelism.

11% of children in Southern Italy and 16% in Northern Italy. By the early 1980s whooping cough child mortality in Italy had fallen by 938 fold (99.89%). This mortality plummet occurred over a time of no vaccination followed by a time of very low vaccination rates. Data Source: Istat This graph may be freely shared. It is from the essay, Vaccine Evangelists, Apostates, and Apologists - by Jordan Henderson

mid 1990s.

16% in Northern Italy. By the early 1980s whooping cough child mortality had fallen over 900 fold or 99.89% from what it had been less than a century earlier in Italy, and again, that is with most Italian children still being unvaccinated against whooping cough. Now let's look at measles.

they can get away with, to stack the benefit side of the vaccine risk benefit analysis as high

The CDC and WHO both state this impressive number of 56 to 57 million lives saved like it's a fact, on webpages called Fast Facts, and Fact Sheet. That kind of gives the impression that this statement is a fact, doesn't it? Well it isn't. The 56/57 million

Now measles vaccine simulations are generating a remarkable 2.7 million lives saved per

in the African Region."

data."

vaccines.

reasoning

right in the paper:

facts in their fact sheets.

start.

ball

anyway.

evidence doesn't apply.

who put them there, then kick the ball.

Consideration

I stated early on in Part 2 of this series:

Even in 2021 UNICEF notes that still:

lives!

scenario. Take a look at some of their simulations:

public is gullible enough to believe? They can. They can say whatever they want, because it's all hypothetical. Not only is the number of deaths that there *would* have been without measles vaccination unknown, the number of deaths that there were with measles vaccination is also unknown. In contrast to England and Wales, Ireland, Australia, the USA, Belgium, Sweden, and

Surely they can't just "revise" their simulation to get as big of a number as they think the

it.

The measles vaccine simulator generated numbers of 17 to 57 million lives saved are

regularly trotted out as evidence of the vaccine's global beneficial impact by Vax-

If we dig into their references for their model we find further confirmation of this (emphasis mine): "The first routine dose of measles vaccine was **assumed** to be administered at 1 year of

age, and we assume 85% efficacy. The second routine dose of measles vaccination was

supplemental campaigns vary in the age groups targeted but are assumed to have 100%

assumed to be administered to children at 2 years of age with 95% efficacy. The

In sum, the measles vaccination simulator generated numbers prove a grand total of

benefit analysis in favor of vaccines that both of the world's highest profile health

4. Important Strategic

institutions (The WHO and CDC) will go so far as to present hypothetical numbers as

nothing about how many lives, if any, measles vaccines have saved. What they do serve as supportive evidence for though, is that the vaccinationists are so intent on rigging the risk

Death-rate graphs are only one of many types of evidence in the vaccine debate, but they will be the fulcrum of my analysis of the vaccine conflict, because death-rate graphs more succinctly illustrate, better than any other tool I know of, the disconnect between what the Vaccine Evangelists' claim or imply happened, versus what actually happened.

else, often in a completely different field, and then insist that the anti-vaccinationists don't have a valid point because, look, see, the goal posts are way over there now. What else are the vaccinationists going to do? Admit that their side has been deceptive and/or deluded in their beliefs? Admit that the anti-vaccinationists were right? Of course not. Even when you are simply in a personal discussion with a friend or family member, and have done your best to keep the discussion non adversarial, remove your ego from the

discussion, and avoid confrontational wording that might inadvertently bring their ego into

If they can't demonstrate the evidence to be wrong, and it becomes clear to them that it is

the discussion, there is still a good chance that they will move the goal posts on you

In my experience, belief in vaccination is strong enough that the believers generally evaluate the quality of the evidence based on how well it corresponds to their vaccine beliefs. If the evidence undermines their beliefs, then they "know" it must be wrong.

solid evidence, then the remaining option for them to prevent the evidence from

undermining their belief is to "know" that it is irrelevant. The easiest way for them to know that it is irrelevant is to simply move the goal posts into another field where that

This is why it is generally best to first document where the goal posts are positioned and

Italy 1887 – 2003 Whooping Cough Deaths under 5 years old, per 1,000 live births Females in Red/back row 12 Males in Dark Green/front row **Timeline:** Italian whooping cough deaths under five, averaged 9.1 deaths per 1,000 live births during the five years 1887 to

> In the five years 1981-85, whooping cough deaths under five averaged 0.0097 deaths per 1,000 live births.

Italy recommended pertussis vaccination as an optional vaccine in 1961, though coverage remained low until the

As late as 1985 pertussis vaccine coverage was only at

85

90

2003

80

70

1891.

measurement across a time period of significant changes in population size and birth rates

Whooping Cough Mortality in Italy 1887 – 2003

1900 1887 10 20

the answer was . . . not many.

introduction of pertussis vaccines in 1961.

in Italy.

Figure 61

14

10

Let's start with whooping cough.

50 30 40 60

Taking this precaution will not of course stop the vaccine apologists from moving the goal posts, but it will make it difficult for them to gaslight anyone who has seen your argument with the position of the goal posts well documented. So, how do you document the position of the goal posts? Simply provide examples of the vaccinationists making their historical mortality related claims – their Graveyard Gambits, Bait and Switch Preaching, and Lifespan Lectures. When they make these claims they are establishing the goal posts, and they are responsible for the goalposts being where they are – for it is they who put them there. If you don't have your own collection of the vaccine evangelists' preaching for documentation of where the goalposts are and who put them there, help yourself to the collection that I have put together in this essay series (Exhibits A through T in Part 1 and *4, and now Exhibits U through Z in the appendix of part 7).* 5. Child mortality reduction, late vaccine introduction, and low vaccine coverage in Italy For the final section of this final installment of this essay series we will look at one more set of mortality declines juxtaposed with vaccine introduction. What makes the Italian mortality data especially noteworthy is that not only did Italy introduce pertussis and measles vaccines relatively late, it also did not initially introduce these vaccines as part of the country's universal mandatory vaccination program. Most parents did not seek out these optional vaccines (as evidenced by a major 1985 survey). As late as the mid 1980s only a small minority of Italian children were receiving the recommended measles and pertussis vaccines. The data I'm using for these graphs is from data spreadsheets provided by the Italian National Statistics Institute (Istat) in their 2014 press release *Child mortality yesterday and* today in Italy. Istat put together a time series of the Italian cause of death data from 1887 till 2011 (for some reason 2004 and 2005 are missing in their spreadsheets, so I'm simply ending the *graphs at 2003*). Istat calculated the deaths for a selection of different causes as an annual death rate for under five year olds per thousand live births. This is ideal and gives us an apples to apples

61

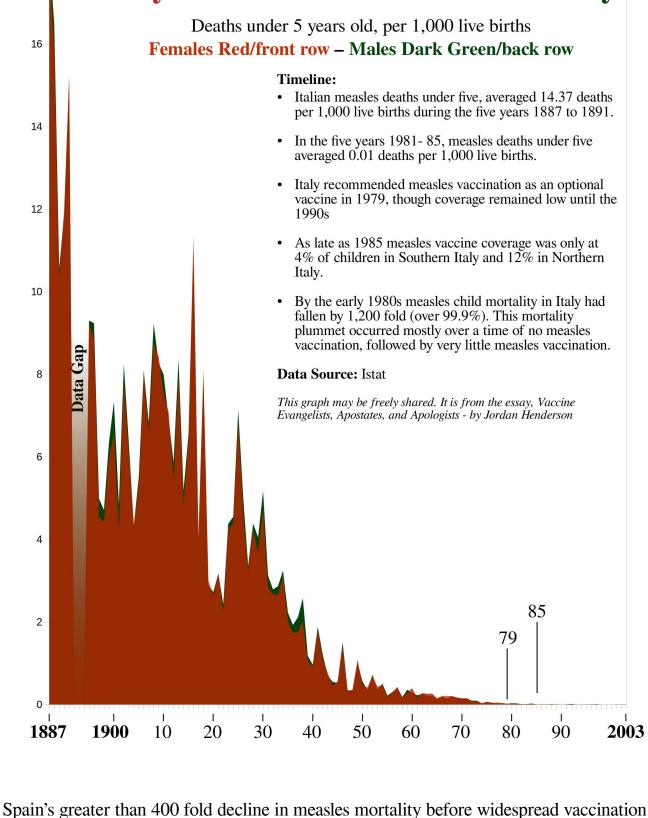
Like everywhere else with old data and late vaccine introduction, we can see that almost

Unlike other vaccines in Italy, the pertussis vaccine was not compulsory. In 1985 a large survey was carried out by the Italian Government across multiple regions of Italy to see how many parents were getting their children vaccinated with the optional vaccines, and

In 1985 pertussis vaccine coverage was only at 11% of children in Southern Italy, and

all the whooping cough mortality decline happened before Italy's relatively late

Measles Mortality in Italy 1887 – 2003 Figure 62



measles vaccination rates were even lower than pertussis vaccination rates – the 1985 survey found a mere 4% of children had received the measles vaccine in Southern Italy and 12% in Northern Italy.

was impressive. Belgium's 544 fold decline is even more impressive, and Sweden looked like it would be the most noteworthy case for measles at just shy of a 1,000 fold measles

But here we can see that, at least so far, the title for most impressive measles mortality

mortality decline before widespread vaccination.

Meningitis Mortality in Italy 1887 – 2003

vaccines) had been added to the schedule. Figure 63 Italy 1887 – 2003 10 **Meningitis Mortality**

8

selected groups. By the early 1990s meningitis child mortality in Italy had fallen by 224 fold (over 99.5%). **Data Source:** Istat This graph may be freely shared. It is from the essay, Vaccine Evangelists, Apostates, and Apologists - by Jordan Henderson 99 I I 1887 2003 1900 10 20 30 50 60 80 90 40 70 7. Summary This essay series began with the charge that vaccinationists are and long have been promoting vaccination with powerful historical mortality based messages that are so unhinged from reality that even their own apologists generally avoid directly defending them. I added the additional charge that the apologists were guilty of gaslighting, using a Motte and Bailey doctrine, and general bad faith, because they did whatever they could to avoid acknowledging that their fellow vaccinationists heavily promote these messages to begin with. I believe that I have provided the necessary and sufficient evidence to prove my case. The evidence consisted both of a review of other author's work (primarily <u>Bystrianyk and</u> *Humphries, and Greg Beattie*) and three original collections of supporting evidence that I provided in this series. These three collections are:

jdc.henderson(at)mailfence(dot)com

(I will get back to you, but not always very fast.)

websites: Original Paintings – Fine Art Prints

them. Help yourself to the material in those collections as needed. So ends this 7 Part essay. Below are some more helpful resources in the appendix. **Correspondence:** most comments and questions will be most valuable when simply placed in the comments below this article where other readers can engage with the comments and questions, and benefit from seeing the exchange of ideas. That being said,

Jordan Henderson lives in Washington State in the Northwest of the United States. He works in oil paints, and charcoals. A portfolio of his works can be viewed at either of his

don't hesitate to contact me directly. Here is one of my current emails:

This essay series has been hyper focused on historical mortality related vaccine questions. Of course this focus means that I have left everything else to the side. I haven't touched vaccine risks in this series. I've brought up vaccine efficacy only to distinguish it from historical mortality claims. And I intentionally refrained from offering explanations and

my attention by a commentator on a previous article of mine). Bailey here.

This is another major area of the vaccine debate. Most people probably think that vaccine risks make up the whole vaccine debate. While vaccine risks are only one aspect of the vaccine debate they certainly are an important topic. Here is some recommended reading

<u>Pharmaceutical Fraud and the Discovery of Rotavirus</u> – Video by Dr. Sam Bailey

If you haven't explored the thinking of the virus skeptics I would encourage you to hear

have also placed many more graphs that I created but did not include in this series due to Expanding the anti-vaccinationist graphical analysis of historical mortality data into many

believe that compendiums of vaccine evangelism are nearly as important a resource in the

<u>Terrain Theory</u>, Mike Stone's article <u>ViroLIEgy 101: Koch's Postulates</u>, and Boostershots

Vaccine Evangelism Exhibit V Taxonomic Category – *Child Mortality Moralism* "Infants and young children were and remain the target population for the majority of

pertussis, and influenza, were the leading causes of death in US children at the beginning of the 20th century. However, from 1900 to 1998, with the advent of widespread, universal infant and childhood vaccination programs, the proportion of US pediatric mortality due to

vaccines due to the high risk of morbidity and mortality in this population. Infectious diseases, including the now vaccine-preventable diarrheal diseases, diphtheria, measles,

Today, American children and many across the industrial world have little to fear from

The first two vaccine evangelism exhibits below are examples of what I call the Child Mortality Moralism (Exhibits Q,R, and S from Part 4 also fall under this category). The last four vaccine evangelism exhibits below are Graveyard Gambits. This essay series began with an exhibition of Graveyard Gambits. I think it fitting that we end with them. Vaccine Evangelism Exhibit U

From the 2012 paper <u>Lessons learned and applied</u>: <u>What the 20th century vaccine</u> experience can teach us about vaccines in the 21st century published in Human Vaccines and Immunotherapeutics Vaccine Evangelism Exhibit W Taxonomic Category – Graveyard Gambit "Historically, many children died before their fifth birthdays (take a look at any historical

Taxonomic Category – *Graveyard Gambit* This excerpt (below) is from an ABC News interview with Dr. Lolita McDavid, published in the 2016 article Why Parents Aren't Vaccinating Their Kids, According to New Study "To help inform parents about the importance of vaccination, McDavid said she gives parents an assignment to go on a field trip to a graveyard. "I want you to go to an old cemetery, walk through, look at the headstones of the babies that died at age 1, 2, 3 years of age," she said, but thanks to vaccines, "people don't see this anymore, so people don't know what to be afraid of.""

1. **Evangelism** - 26 Exhibits of Vaccine Evangelism (*Exhibits A through L in Part 1*, Exhibits M through T in <u>Part 4</u>, and Exhibits U through Z below in the appendix). 2. Apostasy – 50+ New graphs of historical mortality from various causes, in different countries and cities, juxtaposed with vaccine introduction. (Found throughout the essay installments and gathered all in one place in the Gallery of Graphs page – *More on that below in the appendix).* 3. Apologetics -15 Case Examples of Vaccine Apologetics (Case Example 1 in Part 3, Case Example 2 in <u>Part 5</u>, and Case Examples 3 through 15 in <u>Part 6</u>). As well as supporting evidence for my arguments, these collections of evangelism, apostasy, and apologetics are meant to be a reference and resource for whoever needs

debate

The book <u>Turtles All the Way Down</u> comprises a tour de force of the scandalous discoveries concerning vaccine risks.

The mortality graphs do the heavy lifting in debunking pro-vaccine historical mortality propaganda, but if we don't first document the goal posts, we leave the Vax-Apologists an easy out. This is where compendiums of Vax-Evangelism come in handy. Within this essay series there is such a compendium of vaccine evangelism already: I provided 12 Exhibits (Exhibits A through L) of vaccine evangelism in Part 1, along with eight more such exhibits (*M through T*) in Part 4.

We are only six exhibits away from rounding out the alphabet and including in this series a

full 26 examples of vaccine evangelism spanning Exhibits A through Z, so here are six

vaccine debate as compendiums of historical mortality graphs.

more examples of vaccine evangelism to bring us up to Exhibit Z.

Taxonomic Category – *Child Mortality Moralism*

infectious disease decreased from 61.6% to 2%."

cemetery and you will see this many tombstones of infants, toddlers, and young children) and this continues today in many third world countries. Since the advent of vaccines and vaccination programs, the numbers have decreased due to the creation of now preventable diseases like tetanus, polio, measles, etc. Vaccines contain the same antigens (or parts of them) that cause diseases, so it prepares your body to one day fight off the actual antigen

Taxonomic Category – *Graveyard Gambit* "The Bloomfield memorial and many more like it at Oakland and other older cemeteries illustrate the tragic deaths of children (and adults) from acute infectious diseases in the 19th and early 20th centuries when vaccines to combat these scourges had not yet been developed. Nearly 30% of the interments at Oakland - which was established in 1850 - are children. Many died from diphtheria, typhoid fever, tetanus, pertussis (whooping cough) and other acute illnesses. These graves are a heartbreaking testament to the fragility of life in that era. these dreaded diseases due to the wide availability of the DPT (Diphtheria-Pertussis-Tetanus] and the MMR (Measles-Mumps-Rubella) vaccines that are mandated for all children before entering public school" "Sadly, there are many among us who eschew the extraordinary value, safety and efficacy of vaccines in providing safe and healthy communities. Now, there are even some political figures who are actually calling for the repeal of all vaccine mandates. Do these people actually want to go back a century in time to when so many died from what are now treatable diseases?" Excerpts from the 2021 article *Visit to historic cemetery shows power of vaccinations* published in The Atlanta Journal Constitution. Vaccine Evangelism Exhibit Y Taxonomic Category – *Graveyard Gambit* "Dr. Phyllis Townsend, a pediatrician in Franklin, TN, is concerned about recent trends that leave children unprotected from potentially deadly diseases. "If you walk through an old cemetery, you can see why vaccines are important. Many people lost a child, often under the age of one, from diseases that are completely preventable now," shares Dr. Townsend." Dr. Phyllis Townsend Shares How Vaccines Save Lives is a page in the resources and education section of the website of Pediatrics Association of Franklin (Tennessee).

Appendix: Further Reading & Resources opinion on what did cause the mortality decline, as it is not strictly necessary for debunking the pro-vaccine historical mortality messages. All these other areas are of great importance too; their exclusion was purely to keep this essay series focused and within a manageable scope. But now that this series is at its end, it would be good to take stock of major areas of the debate that fall outside this essay's scope - what we haven't been looking at. Smallpox and polio I mentioned in Part 2 of this series as topics that I would be leaving out as they deserve to be discussed at length on their own. I left a selection of recommended reading regarding smallpox and polio at the end of Part 2. What did cause the pre-vaccine decline is a topic that I may eventually address with an essay on it specifically. In the meantime I encourage readers to share their views and recommended reading on the pre-vaccine mortality declines in the comments. Suggested reading on the philosophical side of the vaccine

Modern Medicine: The Hidden Influence of Beliefs and Fears - Olivier Clerc (brought to Conscience and Vaccines by father Ambrose – <u>Essay here</u> – video adaptation by <u>Dr. Sam</u> My main contribution, to date, to the philosophical side of the vaccine debate is the essay Science! Blessed be Thy Name: The Vanishing Value of Religious Freedom. **Vaccine Risks** if you're looking for suggestions (And do please place your own suggestions in the comments):

The books <u>Dissolving Illusions</u> (Bystrianyk and Humphries) and <u>Vaccination</u>: a parent's dilemma (Greg Beattie) discuss vaccine risks, as well as a strong focus on historical mortality matters. Forrest Marready's book, The Autism Vaccine, centers on the history, development, and dangers, of various diphtheria vaccines and serums. methodology used in vaccine studies to get the "right" answers and avoid inconvenient

Vaccine Evangelism Exhibits U Through Z For the reasons I laid out in Section 4 of this Essay ~ *Important Strategic Consideration* ~ I

vaccine childhood in Australia uses historical child mortality to illustrate the world before vaccines: "In the 19th century, the leading cause of death in children was infectious disease. People would have 10 children and might lose five of them. We lived with high rates of infant mortality,"

The Guardian's 2021 article No concept of how awful it was': the forgotten world of pre-

when exposed by helping it create antibodies now." (sic) Written in 2023 by pediatrician Luis Velasquez Vaccine Evangelism Exhibit X Vaccine Evangelism Exhibit Z

A list of Vaccinated vs Unvaccinated literature from Children's Health Defense. **Rethinking Disease Paradigms** This is a hot topic that you may have heard as the Virus vs No Virus debate or the Terrain Model vs Germ Theory or something along those lines. Covid-19 placed the Terrain Model vs Germ Theory debate on the radar of most in the Covid-19 opposition. Each side has its enthusiastic supporters and detractors. The debate of course isn't new and had been resurfacing well before Covid, especially among AIDS heretics. The topic is divisive, but feuds and strategic disagreements between different factions of the Covid opposition aside, it is fundamentally a good sign to see so many people reinvestigating the foundations of what we have been taught about disease. Renewed interest in rethinking disease paradigms is one of the most promising aspects of the silver lining from Covid-19 in my view. them out. A good place to start exploring the topic would be the Bailey's video <u>Germ Theory vs</u> humorous compendium Virus "Denialism" for Beginners. **Gallery of Graphs** For easy reference I have compiled all the graphs that I created for this essay series of historical mortality juxtaposed with vaccine introduction, on a single page. On that page I space considerations. more countries and cities was one of my major goals with this series. You can access the collection on the Gallery of Graphs Page. All those graphs may be freely shared in articles and blog posts, no additional permissions from me needed.

decline before widespread measles vaccination goes to Italy with a measles mortality decline of 1,200 fold by the early 1980s. The measles vaccine became commercially available in Italy in 1976. It was officially recommended in 1979. But as with pertussis vaccination, it was not included among the compulsory vaccines, and the 1985 survey to assess uptake of these vaccines found that Here we have another major mortality decline in Italy, with almost all of the decline occurring before relevant vaccines (such as Hib, Pneumococcal and Meningococcal Deaths under 5 years old, per 1,000 live births Females Red/front row Males Dark Green/back row Italian meningitis deaths under five, averaged 8.5 deaths per 1,000 live births during the five years 1895 to 1899. In the five years 1991-95, meningitis deaths under five averaged 0.038 deaths per 1,000 live births. Italy introduced Hib vaccine in 1999, and Pneumococcal and Meningococcal, vaccines in 2005 for

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