

From: s9(2)(a)
To: Prime Minister's Chief Science Advisor
Cc: Susie Meade
Subject: Re: Fw: Fluoridation Review
Date: Tuesday, 31 October 2023 3:38:50 pm
Attachments: image.png
Outlook-OPMCSA-log.png

I think it would be useful to add the paper by Grandjean et al on the maternal Fluoride intake/IQ relationship, which is here: <https://academic.oup.com/eurpub/advance-article/doi/10.1093/eurpub/ckad170/7291347?login=true> I note that it contains the figure below so its conclusions are likely to be very sensitive to the statistical methods applied.

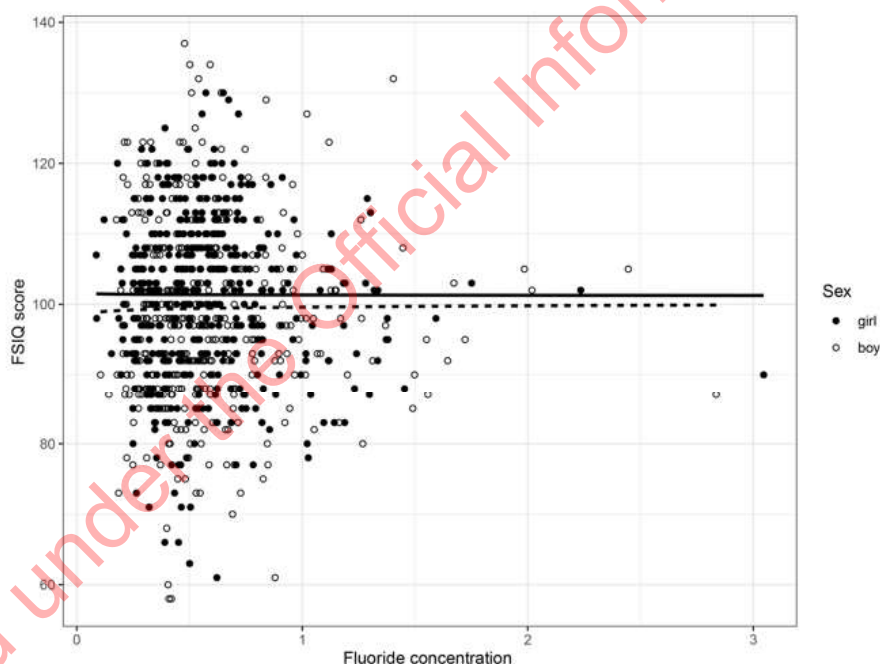
The papers by Meng et al. on osteoarthritis and fluoride exposure <https://link.springer.com/article/10.1007/s10653-023-01742-1> and Lindsey et al. on paediatric fractures and community fluoridation https://journals.lww.com/jaaosglobal/fulltext/2023/10000/community_water_fluoridation_and_rate_of_pediatric_f.1.aspx# are also interesting and could be added as papers we have looked at, noting that both indicate limitations in their designs and that further work would be required to draw firm conclusions.

The editorial by Dr Spittle unfortunately is based on a misunderstanding of how Chat GPT works and we should not reference it.

Regards

s9(2)(a)

Figure 2 Creatinine-adjusted maternal U-F concentration during pregnancy as a predictor of Full-Scale IQ (FSIQ) in OCC ...



On 31 October 2023 at 12:07 Prime Minister's Chief Science Advisor <pmcsa@auckland.ac.nz> wrote:

for consideration to add to the recent papers published section of the web page



Professor Dame Juliet A. Gerrard DNZM HonFRSC FRSNZ
Prime Minister's Chief Science Advisor
Kaitohutohu Mātanga Pūtaiao Matua ki te Pirimia

From: PMCSA Info <info@pmcsa.ac.nz>
Sent: Tuesday, 31 October 2023 12:05 pm
To: Prime Minister's Chief Science Advisor <pmcsa@auckland.ac.nz>; Susie Meade <susie.meade@auckland.ac.nz>
Subject: FW: Fluoridation Review

From: s9(2)(a)
Sent: Tuesday, October 31, 2023 11:57 AM
To: PMCSA Info <info@pmcsa.ac.nz>
Subject: Fwd: Fluoridation Review

Dear Eminent scientists,

On behalf of all NZ citizens, I would like to make a request that you all take a few minutes to peruse, digest and reflect on the information given below.

There is a great deal of good research emerging over the last several years that needs close consideration.

If the highest scientific minds in our country refuse to take evidence-based information into account when making decisions that affect us all, I don't know where else to turn.

Warm regards

s9(2)(a)

[]

Principal Advisor
Office of the Prime Minister's Chief Science Advisor
Kaitohutohu Mātanga Pūtaiao Matua ki te Pirimia
Office: 1-11 Short Street, Auckland, 1010, New Zealand
Website: www.pmcsa.nz

From: s9(2)(a)
Sent: Tuesday, October 31, 2023 11:57 AM
To: PMCSA Info <xxxx@xxxx.xx.xx>
Subject: Fwd: Fluoridation Review

Dear Eminent scientists,

On behalf of all NZ citizens, I would like to make a request that you all take a few minutes to peruse, digest and reflect on the information given below.

There is a great deal of good research emerging over the last several years that needs close consideration. If the highest scientific minds in our country refuse to take evidence-based information into account when making decisions that affect us all, I don't know where else to turn.

Warm regards

s9(2)(a)

[Danish Cohort Data, When Combined With Mexican And Canadian Studies, Confirm Fluoride's Neurotoxicity At Low Dose](#)

The inclusion of research data from over 800 mother-child pairs in Odense, Denmark, when merged with data from comparable studies from Mexico and Canada, has led scientists to conclude that a level of just 0.45 milligrams of fluoride per liter (mg/l) of pregnant mother's urine showed a statistically significant association between urine-fluoride and decreased child IQ. Generally, urine fluoride concentration is similar to the level of fluoride found in drinking water. The standard for fluoride added to drinking water supplies is 0.7 mg/l.

[Read More](#)

[Relatively Low Fluoride in Drinking Water Increases Risk of Knee Osteoarthritis \(KOA\), According to New Chinese Study](#)

A case-control study that matched water fluoridation and urinary fluoride levels with X-ray examinations of affected patients for over 1,110 residents of Heilongjiang province found that people exposed to levels of fluoride in water above 0.88 mg/L showed an increased risk of knee osteoarthritis (KOA) compared to people whose fluoride water level was below 0.248 mg/L.

The maximum level of fluoride contamination in drinking water allowed in China is 1.0 mg/L. In the USA it is 4.0 mg/L, while 0.7 mg/L is deliberately added to many water supplies as part of fluoridation programs.

[Read More](#)

[Community Water Fluoridation Correlated With Pediatric Fractures](#)

Higher levels of community water fluoridation, as recorded by the Centers for Disease Control and Prevention (CDC), are correlated with higher rates of femur fracture and bone forearm fracture in a study of over 100,000 patients aged 4 to 10 years as compiled by the national insurance database PearlDiver, according to a new report from the Oregon Health and Science University.

[Read More](#)

[Spittle Challenges Use of AI in Queries Regarding Fluoride Usage And Effects](#)

In a recent editorial, Bruce Spittle, who is retiring as editor of the journal *Fluoride*, argues that the artificial intelligence program Chat Generative Pre-trained Transformer (ChatGPT) can't be properly evaluated if its responses to questions on fluoride's usage and side effects are compared to a "gold standard" that consists of the American Dental Association's website.

[Read More](#)

[Mullenix, Burgstahler Interviews on UMASS Library Site](#)

Newly digitized interviews with Phyllis Mullenix and Albert Burgstahler made in 1998 that include personal commentaries on their experiences in the continuing efforts to stop water fluoridation have been posted on the CREDO digital site of the Du Bois Library's Special Collections and University Archives (SCUA) department at UMASS Amherst.

[Read More](#)

[Subscribe](#)

[Donate](#)

[Archived Reviews](#)

Fluoride Action Network

North Sutton, New Hampshire
xxxx@xxxxxxxxxxxxx.xxx

Email not displaying correctly? [View it in your browser](#)

[Unsubscribe](#)

Released under the Official Information Act 1982

From: Susie Meade <susie.meade@auckland.ac.nz>
Sent: Tuesday, November 7, 2023 4:28 PM
To: s9(2)(a)
Cc: Prime Minister's Chief Science Advisor <pmcsa@auckland.ac.nz>
Subject: RE: F papers?

Thanks

From: s9(2)(a)
Sent: Tuesday, November 7, 2023 4:12 PM
To: Susie Meade <susie.meade@auckland.ac.nz>
Subject: Re: F papers?

Ones that in my opinion could go on the site noted below.
s9(2)(a)

On Tue, Nov 7, 2023 at 2:39 PM Susie Meade <susie.meade@auckland.ac.nz> wrote:

Hi s9(2)(a)


Do any other these meet our requirements to be considered for adding to the "Papers published since our review" section of the F webpage

- **15th March 2023:** Fluoride exposure and cognitive neurodevelopment: Systematic review and dose-response meta-analysis. Source: <https://www.sciencedirect.com/science/article/pii/S0013935123000312> YES - meta analysis and significant numbers
- **23rd September 2023:** Effects of High-Water Fluoride Exposure on IQ Levels in School-Age Children: A Cross-Sectional Study in Jiangsu, China. Source: <https://link.springer.com/article/10.1007/s12403-023-00597-2> PROBABLY NOT - only two groups and small numbers
- **15th September 2023:** Fluoride exposure during pregnancy from a community water supply is associated with executive function in preschool children: A prospective ecological cohort study. Source: <https://www.sciencedirect.com/science/article/abs/pii/S0048969723029431> NO - Small numbers and mixed results
- **5th October 2023:** Dose dependence of prenatal fluoride exposure associations with cognitive performance at school age in three prospective studies. Source: <https://academic.oup.com/eurpub/advance-article/doi/10.1093/eurpub/ckad170/7291347> YES - research leader in the area

- **30th August 2023:** Exploration of the SIRT1-mediated BDNF–TrkB signaling pathway in the mechanism of brain damage and learning and memory effects of fluorosis. Source: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10499441/> NO speculative and in rats
- National Toxicology Program - Fluoride: Assessment for Developmental Neurotoxicity
<https://ntp.niehs.nih.gov/whatwestudy/assessments/noncancer/ongoing/fluoride> YES - important source of summary material

Thanks
Susie

s9(2)(a)



Released under the Official Information Act 1982

From: Ian Dunwoodie [DPMC] <Ian.Dunwoodie@dpmc.govt.nz>
Sent: Tuesday, November 14, 2023 8:21 AM
To: Susie Meade <susie.meade@auckland.ac.nz>
Subject: CSA OIA 2023-004; s9(2)(a) Fluoridation of water supplies ...

Dr Susie Meade

Dear Susie

Just a quick note.

The substantive reply was sent up to PMO for their dispatch in due course.

And a partial transfer was done to the Ministry of Health last week (just around the MOH website). More a technical transfer, than a substantive one.

Thanks again for all your help...it was really appreciated.. s9(2)(a)

s9(2)(a)

Ian

Ian Dunwoodie

Senior Advisor Ministerial Services
Strategy, Governance and Engagement
Department of the Prime Minister and Cabinet

Telephone (office) +64 4 830 5193
Email Ian.Dunwoodie@dpmc.govt.nz



From: Ian Dunwoodie [DPMC]
Sent: Thursday, 2 November 2023 11:52 am
To: Susie Meade <susie.meade@auckland.ac.nz>

Subject: FW: OIA - Please respond by 2 November - CSA OIA 2023-004 s9(2)(a) Fluoridation of water supplies ...

To: Dr Susie Meade

Thank you for the guidance – all guidance incorporated – and I have taken the next step on the QA process (currently with Ruth Fairhall, then will go to Fiona Illingsworth , both in the PAG team). And once through those steps will send to Dame Juliet for her consideration/sign out (then onto Janine Smith).

Again, thank you for turning it around so quickly – especially given your travel situation – really appreciated.

s9(2)(a)

Ian

From: Susie Meade <susie.meade@auckland.ac.nz>

Sent: Thursday, 2 November 2023 8:01 am

To: Ian Dunwoodie [DPMC] <Ian.Dunwoodie@dpmc.govt.nz>

Subject: RE: OIA - Please respond by 2 November - CSA OIA 2023-004 s9(2)(a) Fluoridation of water supplies ...

Some suggested edits to consider attached.

s9(2)(a)

Kind regards

Susie

Dr Susie Meade (she/hr) | Principal Advisor | Office of the PM's Chief Science Advisor | s9(2)(a)

From: Ian Dunwoodie [DPMC] <Ian.Dunwoodie@dpmc.govt.nz>

Sent: Wednesday, November 1, 2023 11:46 AM

To: Susie Meade <susie.meade@auckland.ac.nz>

Subject: RE: OIA - Please respond by 2 November - CSA OIA 2023-004 s9(2)(a) Fluoridation of water supplies ...

Thanks. Again, really appreciated.

s9(2)(a)

Ian

From: Susie Meade <susie.meade@auckland.ac.nz>

Sent: Wednesday, 1 November 2023 11:23 am

To: Ian Dunwoodie [DPMC] <Ian.Dunwoodie@dpmc.govt.nz>

Subject: RE: OIA - Please respond by 2 November - CSA OIA 2023-004-s9(2)(a) Fluoridation of water supplies ...

I'll have some suggested edits to clarify back to you this evening.

Susie

From: Ian Dunwoodie [DPMC] <Ian.Dunwoodie@dpmc.govt.nz>

Sent: Tuesday, October 31, 2023 11:22 AM

To: Susie Meade <susie.meade@auckland.ac.nz>

Subject: FW: OIA - Please respond by 2 November - CSA OIA 2023-004-s9(2)(a) Fluoridation of water supplies ...

Dr Susie Meade
OPMCSA

Dear Susie

Thank you for your response. s9(2)(a)

Thank you.

I have attached:

1. Draft reply that I have put together (after receiving your input)
2. Filenote which sets out consultation steps and will go as a covernote to the PMO

Also for completeness I have attached a copy of the original request from s9(2)(a)

I welcome any changes you recommend to the draft reply.
Once you are comfortable with it I will consult with the others.

Kind regards s9(2)(a)

Ian

Ian Dunwoodie

Senior Advisor Ministerial Services
Strategy, Governance and Engagement
Department of the Prime Minister and Cabinet

Telephone (office) +64 4 830 5193

Email Ian.Dunwoodie@dpmc.govt.nz



From: Susie Meade <susie.meade@auckland.ac.nz>

Sent: Monday, 30 October 2023 10:13 pm

To: Ian Dunwoodie [DPMC] <Ian.Dunwoodie@dpmc.govt.nz>

Cc: Prime Minister's Chief Science Advisor <pmcsa@auckland.ac.nz>

Subject: RE: OIA - Please respond by 2 November - CSA OIA 2023-004: s9(2)(a) Fluoridation of water supplies ...

You don't often get email from susie.meade@auckland.ac.nz. [Learn why this is important](#)

Kia ora Ian,

Responses below:

- 1) This work was commissioned by PM Ardern and was released in June 2021, we have not been commissioned to further refresh it.
 - 2) We have not undertaken an analysis of the report.
 - 3) We have not undertaken an analysis of the papers listed.
 - 4) The last update for the Fluoridation report on our website was undertaken in Oct 2021, before this date. The last update noted on the webpage was 18 April 2023; This was to add a section 'papers published since our review' and there was a single paper added there, which is not referred to in the OIA.
 - 3) The last update (Oct 2021) of the Fluoridation report on our website was undertaken before this date.
 - 4) OPMCSA has not provided specific advice to community members in fluoridated areas; this responsibility falls to the Ministry of Health and / or associated agencies.
- FYI attached is our internal version control document which summarises the edits from the release in June 2021.

Happy to chat if that is helpful. s9(2)(a)

Ngā mihi

Susie

Dr Susie Meade (she/her) | Principal Advisor | Office of the PM's Chief Science Advisor s9(2)(a)

From: Ian Dunwoodie [DPMC] <Ian.Dunwoodie@dpmc.govt.nz>

Sent: Monday, October 30, 2023 11:39 AM

To: Susie Meade <susie.meade@auckland.ac.nz>

Subject: FW: OIA - Please respond by 2 November - CSA OIA 2023-004: s9(2)(a) Fluoridation of water supplies ...

To: Dr Susie Meade (she/her) | Principal Advisor | Office of the PM's Chief Science Advisor

Dear Susie

Just following up the email below that I sent last week.

I have just joined the DPMC Ministerial Services team, and sent you this OIA Commissioning email.

I hadn't heard from you, and so left a voice message with you Friday.

This morning talking to my colleague Anna Whiskin ...she said I should have sent it to this address at Auckland University ...sorry about that

May I refer you to the email below... and could you just let me know when you see this email?

Thanks

Ian

Ian Dunwoodie

Senior Advisor Ministerial Services
Strategy, Governance and Engagement
Department of the Prime Minister and Cabinet

Telephone (office) +64 4 830 5193

Email Ian.Dunwoodie@dPMC.govt.nz



From: Ian Dunwoodie [DPMC]

Sent: Thursday, 26 October 2023 11:32 am

To: Susie Meade [DPMC] <Susie.Meade@dPMC.govt.nz>

Subject: OIA - Please respond by 2 November - CSA OIA 2023-004s9(2)(a) Fluoridation of water supplies ...

To: Dr Susie Meade (she/her) | Principal Advisor | Office of the PM's Chief Science Advisor

Dear Susie

I have just joined the Ministerial Services team here at DPMC, and I have been asked to work with you in drafting this OIA response.

Here, immediately below, is a copy of the FYI letter I sent to the PMO (see the chain below, including your email)

The request is about fluoridation of water supplies and impacts on general health and children's IQ. The parts are:

1. The Office of the Prime minister's Chief Science Advisor's analysis of the National Toxicology Program (NTP) Report September 2022 in relation to the fluoridation of water and the reduction in IQ of children, considering that the peer review of this report has been completed by the Board of Scientific Counselors Working Group (BCS WG) in May 2023, and that the report has been submitted to the NTP Director Dr Rick Woychik, PhD.
2. The Office of the Prime minister's Chief Science Advisor's analysis of any further

scientific papers related to fluoride causing a reduction in children's IQ, released since the Director General's directive to fluoridate water supplies in July 2022

3. Any further advice that has been added to the Prime Minister's Chief Science Advisors website, or Manatu Hauora's website since the July 2022 directive, to update the public on the new scientific reports since 2021, related to fluoride in water and the reduction in children's IQ.
4. Any specific advice prepared by Manatu Hauora or your office for circulation to community members in fluoridated areas, about the potential health impacts of fluoride on general health, in particular:
 - advice about the additive effects of the consumption of fluoride from other sources including dietary and lifestyle choices,
 - advice to the parents of bottle-fed babies,
 - advice to those with thyroid or other medical conditions such as poor kidney function

We are considering how to deal with the response, and would welcome your thoughts and guidance.

To that end, and referring to the OIA request itself:

Part 1

Is there any analysis that is available as official information? If so, what approach do you recommend in regard to its release?

Part 2

Likewise, is there any analysis available ? Do you recommend an approach in regard to its release?

Part 3 (limb relating to PMCSA)

Is there any information that has been added to the website since July 2022 ? If so, do you have any thoughts about the approach (for example, would it practical to itemise these additions?). Or is it suffice, simply to refer the requestor back to the website?

Part 4 (limb relating to PMCSA)

Is there any specific advice? Again, if so, do you have any suggestions on how this is dealt with?

MOH Limbs for Part 3 & Part 4

MoH received the same OIA request on 22/10/2023. MoH has confirmed that we can refer to their response on those parts relating to MoH

Sorry, but we are working to a tight timeframe and there are a number of people are involved in

the sign out process. We need to get the draft cleared by everyone (and there are several tiers) by 13 November. Are you able to provide input by **2 November**? Please let me know if the timeframe is too tight?

Thanks

Ian

Ian Dunwoodie

Senior Adviser Ministerial Services
Strategy, Governance and Engagement
Department of the Prime Minister and Cabinet

E ian.dunwoodie@dpmc.govt.nz



From: Ian Dunwoodie [DPMC]

Sent: Thursday, 26 October 2023 9:05 am

To: s9(2)(a) [Office of the Prime Minister]

Subject: OIA - CSA OIA 2023-004 s9(2)(a) Fluoridation of water supplies ...

IN-CONFIDENCE

To : s9(2)(a)

PMO

Hello s9(2)(a)

For your information. The Prime Minister's Chief Science Officer (PMCSO) has received the OIA relating to Fluoridation of Water s9(2)(a) dated 22 October 2023) – copy of the OIA request attached.

The draft reply is due with you 3 November 2023.

It has been allocated to me.

DPMC will work with the PMCSO Office to draft a response.

Kind regards

Ian

Ian Dunwoodie

Senior Adviser Ministerial Services
Strategy, Governance and Engagement
Department of the Prime Minister and Cabinet

E ian.dunwoodie@dpmc.govt.nz



From: Susie Meade <susie.meade@auckland.ac.nz>

Sent: Monday, 23 October 2023 7:29 pm

To: Information [DPMC] <information@dpmc.govt.nz>

Subject: FW: Official Information Request

Kia ora,

We have received an OIA as outlined below. Happy to discuss.

Likely best to connect via email until 6 November as I'm travelling overseas until then.

Ngā mihi

Susie

Dr Susie Meade (she/her) | Principal Advisor | Office of the PM's Chief Science Advisor s9(2)(a)

From: Susie Meade <susie.meade@auckland.ac.nz>

Sent: Monday, October 23, 2023 7:13 PM

To: s9(2)(a)

Subject: RE: Official Information Request

Kia ora s9(2)
()

On behalf of the Office of the Prime Minister's Chief Science Advisor (PMSCA), thank you for your request under the Official Information Act 1982 which was received on 22 October 2023, copied below.

The work completed by the PMCSA falls within the responsibility of the Office of the Prime Minister (PMO). A response will be provided by PMO in accordance with the Act (please see the Office of the Ombudsman Website for more details - <http://www.ombudsman.parliament.nz/>).

Ngā mihi,

Susie

From: s9(2)(a)

Sent: Sunday, October 22, 2023 1:28 PM

To: PMCSA Info <info@pmcsa.ac.nz>

Subject: Official Information Request

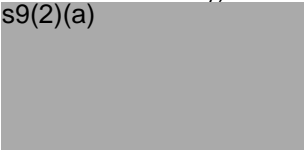
Dear Sir/Madam,

Please find attached my Official Information Request regarding fluoridation of water supplies and impacts on general health and children's IQ. I understand that this request should be made within 20 working days of receipt of this request.

If you do not normally deal with official information requests, or you need advice on dealing with this request, guidance is available from the Ombudsman at www.ombudsman.parliament.nz

Please let me know if you require any further information, and I thank you for your time and consideration of this request.

Yours sincerely,
s9(2)(a)



The information contained in this email message is for the attention of the intended recipient only and is not necessarily the official view or communication of the Department of the Prime Minister and Cabinet. If you are not the intended recipient you must not disclose, copy or distribute this message or the information in it. If you have received this message in error, please destroy the email and notify the sender immediately.

The information contained in this email message is for the attention of the intended recipient only and is not necessarily the official view or communication of the Department of the Prime Minister and Cabinet. If you are not the intended recipient you must not disclose, copy or distribute this message or the information in it. If you have received this message in error, please destroy the email and notify the sender immediately.

The information contained in this email message is for the attention of the intended recipient only and is not necessarily the official view or communication of the Department of the Prime Minister and Cabinet. If you are not the intended recipient you must not disclose, copy or distribute this message or the information in it. If you have received this message in error, please destroy the email and notify the sender immediately.

The information contained in this email message is for the attention of the intended recipient only and is not necessarily the official view or communication of the Department of the Prime Minister and Cabinet. If you are not the intended recipient you must not disclose, copy or distribute this message or the information in it. If you have received this message in error, please destroy the email and notify the sender immediately.

The information contained in this email message is for the attention of the intended recipient only and is not necessarily the official view or communication of the Department of the Prime Minister and Cabinet. If you are not the intended recipient you must not disclose, copy or distribute this message or the information in it. If you have received this message in error, please destroy the email and notify the sender immediately.

The information contained in this email message is for the attention of the intended recipient only and is not necessarily the official view or communication of the Department of the Prime Minister and Cabinet. If you are not the intended recipient you must not disclose, copy or distribute this message or the information in it. If you have received this message in error, please destroy the email and notify the sender immediately.

The information contained in this email message is for the attention of the intended recipient only and is not necessarily the official view or communication of the Department of the Prime Minister and Cabinet. If you are not the intended recipient you must not disclose, copy or distribute this message or the information in it. If you have received this message in error, please destroy the email and notify the sender immediately.

Released Under the Official Information Act 1982

From: Susie Meade
To: s9(2)(a)
Subject: RE: Fluoridation Review
Date: Monday, 11 December 2023 10:00:00 am
Attachments: image002.png

Thank you for sharing the link with our office.

Susie

From: s9(2)(a)
Sent: Friday, December 8, 2023 6:16 PM
To: Susie Meade <susie.meade@auckland.ac.nz>
Subject: Re: Fluoridation Review

Hi again Susie

I didn't add the link.
Apologies.

s9(2)(a)
https://www.youtube.com/watch?v=_J2RbqBFsVE

On Tue, Nov 21, 2023 at 3:23 PM Susie Meade <susie.meade@auckland.ac.nz> wrote:

Hi s9(2)(a)

In 2021, our office did an evidence update on water fluoridation, looking at evidence published since the Royal Society Te Apārangī report in 2014.

<https://www.pmcasa.ac.nz/topics/fluoridation-an-update-on-evidence/>

Kind regards
Susie

From: s9(2)(a)
Sent: Tuesday, November 21, 2023 3:21 PM
To: Susie Meade <susie.meade@auckland.ac.nz>
Subject: RE: Fluoridation Review

Hi Susie

What work was that?

Thanks
s9(2)(a)

Sent from my Verizon Samsung Galaxy smartphone

----- Original message -----

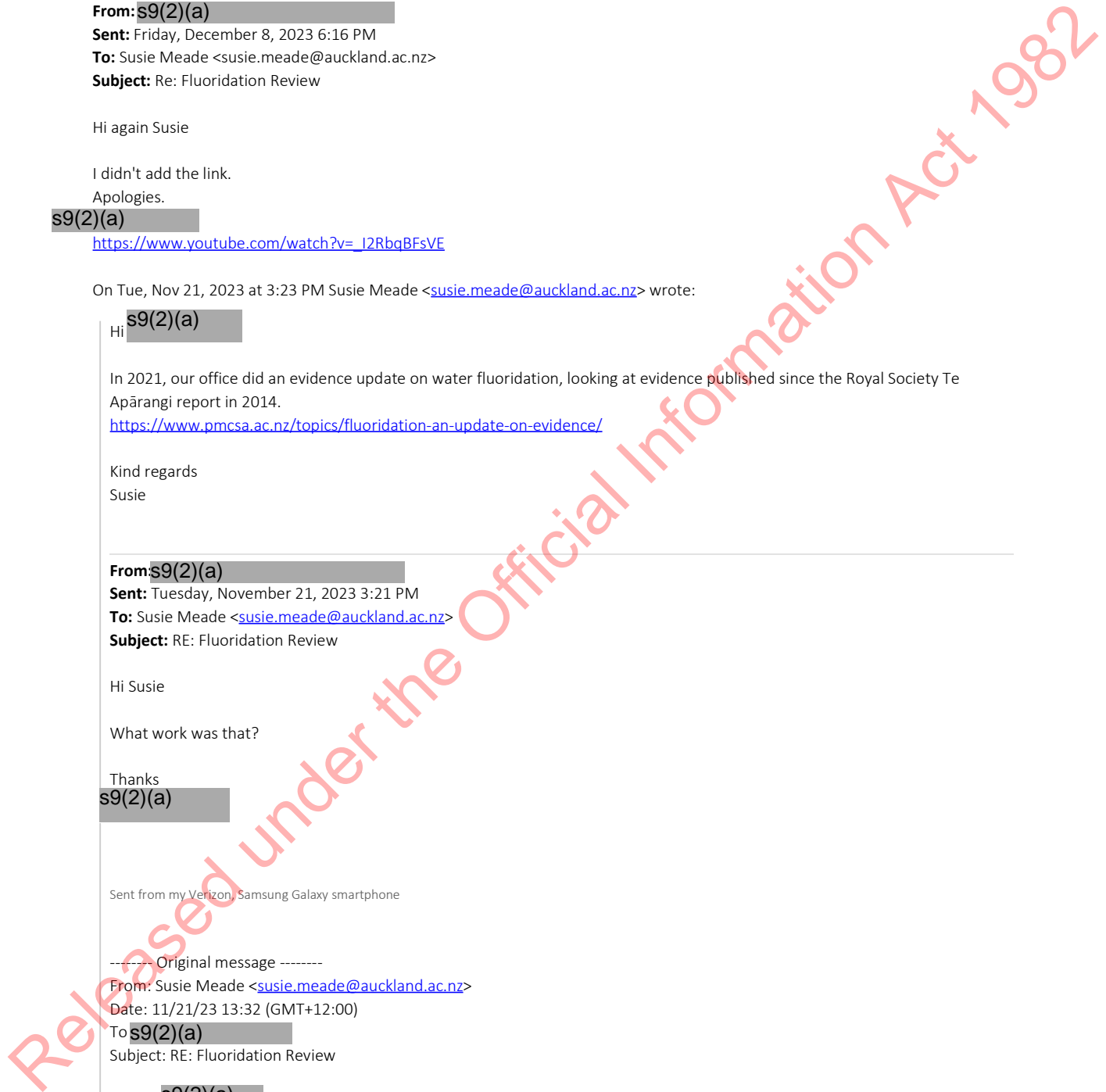
From: Susie Meade <susie.meade@auckland.ac.nz>
Date: 11/21/23 13:32 (GMT+12:00)
To: s9(2)(a)
Subject: RE: Fluoridation Review

Kia ora s9(2)(a)

Thank you for sharing these papers. We haven't been commissioned to do further work on Fluoride since our previous work was complete in 2021.

Kind regards
Susie

.....
Dr Susie Meade (she/her)



Principal Advisor
Office of the Prime Minister's Chief Science Advisor
Kaitohutohu Mātanga Pūtaiao Matua ki te Pirimia
Office: 1-11 Short Street, Auckland, 1010, New Zealand
Website: www.pmcsa.nz

From: s9(2)(a)
Sent: Tuesday, October 31, 2023 11:57 AM
To: PMCSA Info <info@pmcsa.ac.nz>
Subject: Fwd: Fluoridation Review

Dear Eminent scientists,

On behalf of all NZ citizens, I would like to make a request that you all take a few minutes to peruse, digest and reflect on the information given below.

There is a great deal of good research emerging over the last several years that needs close consideration. If the highest scientific minds in our country refuse to take evidence-based information into account when making decisions that affect us all, I don't know where else to turn.

Warm regards
s9(2)(a)

-
-
-

[Danish Cohort Data, When Combined With Mexican And Canadian Studies, Confirm Fluoride's Neurotoxicity At Low Dose](#)

The inclusion of research data from over 800 mother-child pairs in Odense, Denmark, when merged with data from comparable studies from Mexico and Canada, has led scientists to conclude that a level of just 0.45 milligrams of fluoride per liter (mg/l) of pregnant mother's urine showed a statistically significant association between urine-fluoride and decreased child IQ. Generally, urine fluoride concentration is similar to the level of fluoride found in drinking water. The standard for fluoride added to drinking water supplies is 0.7 mg/l.

[Read More](#)

[Relatively Low Fluoride in Drinking Water Increases Risk of Knee Osteoarthritis \(KOA\), According to New Chinese Study](#)

A case-control study that matched water fluoridation and urinary fluoride levels with X-ray examinations of affected patients for over 1,110 residents of Heilongjiang province found that people exposed to levels of fluoride in water above 0.88 mg/L showed an increased risk of knee osteoarthritis (KOA) compared to people whose fluoride water level was below 0.248 mg/L.

The maximum level of fluoride contamination in drinking water allowed in China is 1.0 mg/L. In the USA it is 4.0 mg/L, while 0.7 mg/L is deliberately added to many water supplies as part of fluoridation programs.

[Read More](#)

[Community Water Fluoridation Correlated With Pediatric Fractures](#)

Higher levels of community water fluoridation, as recorded by the Centers for Disease Control and Prevention (CDC), are correlated with higher rates of femur fracture and bone forearm fracture in a study of over 100,000 patients aged 4 to 10 years as compiled by the national insurance database PearlDiver, according to a new report from the Oregon Health and Science University.

[Read More](#)

[Spittle Challenges Use of AI in Queries Regarding Fluoride Usage And Effects](#)

In a recent editorial, Bruce Spittle, who is retiring as editor of the journal *Fluoride*, argues that the artificial intelligence program Chat Generative Pre-trained Transformer (ChatGPT) can't be properly evaluated if its responses to questions on fluoride's usage and side effects are compared to a "gold standard" that consists of the American Dental Association's website.

[Read More](#)

[Mullenix, Burgstahler Interviews on UMASS Library Site](#)

Newly digitized interviews with Phyllis Mullenix and Albert Burgstahler made in 1998 that include personal commentaries on their experiences in the continuing efforts to stop water fluoridation have been posted on the CREDO digital site of the Du Bois Library's Special Collections and University Archives (SCUA) department at UMASS Amherst.

[Read More](#)

[Subscribe](#)

[Donate](#)

[Archived Reviews](#)

Fluoride Action Network

North Sutton, New Hampshire
Info@fluoridealert.org

Email not displaying correctly? [View it in your browser](#)

[Unsubscribe](#)

Released under the Official Information Act 1982

From: [Ian Town](#)
To: [Prime Minister's Chief Science Advisor](#); [Hayden Glass \[DPMC\]](#); [Ben McBride \[DPMC\]](#)
Cc: [s9\(2\)\(a\)](#); [Susie Meade](#); [s9\(2\)\(a\)](#)
Subject: RE: fluoride
Date: Thursday, 8 February 2024 8:36:02 am

Good morning and thanks for this Juliet

Yes we have a watching brief here at MoH and expect things to bubble up fairly frequently. The much delayed technical report has opened the door to litigation and there are number of regulars we hear from in NZ. We will do some more systematic work in the coming weeks.

Regards

Ian

From: Prime Minister's Chief Science Advisor <pmcsa@auckland.ac.nz>
Sent: Wednesday, 7 February 2024 9:57 pm
To: Hayden Glass [DPMC] <Hayden.Glass@dpmc.govt.nz>; Ben McBride [DPMC] <Ben.McBride@dpmc.govt.nz>
Cc: Ian Town <Ian.Town@health.govt.nz>; [s9\(2\)\(a\)](#) Susie Meade <susie.meade@auckland.ac.nz>
Subject: fluoride

Hi Hayden and Ben

Useful note here on the up and coming US court case re fluoride:

<https://www.science.org/content/article/does-fluoride-drinking-water-lower-iq-question-looms-large-court-battle>

FYI, we wrote this public facing explainer piece at Jacinda's request a while ago: [Fluoridation: an evidence update | Office of the Prime Minister's Chief Science Advisor \(pmcsa.ac.nz\)](#). It was an update on the original review by Sir Peter. In it we traverse the issue of bottle fed infants who are undoubtedly the most exposed group (and one for whom there is a relatively simple option to use bottled water to make up formula if parents are concerned).

We get regular requests to update the review from various individuals, but are not resourced to regularly update this work. MoH has the watching brief (copying Ian). We have included a section at the very end of our website entitled '**Select papers brought to our attention since our review**' to respond to the various requests, and [s9\(2\)\(a\)](#) cc-ed keeps an eye on the topic.

I anticipate that the correspondence will increase as the court case advances. I am

sure s9(2)(a) will be available to support in an informal capacity on this issue, if this is helpful once I am no longer in the role.

cheers

Juliet

Statement of confidentiality: This e-mail message and any accompanying attachments may contain information that is IN-CONFIDENCE and subject to legal privilege.
If you are not the intended recipient, do not read, use, disseminate, distribute or copy this message or attachments.
If you have received this message in error, please notify the sender immediately and delete this message.

Released under the Official Information Act 1982

From: Prime Minister's Chief Science Advisor <pmcsa@auckland.ac.nz>
Sent: Monday, May 27, 2024 4:15 PM
To: s9(2)(a) Susie Meade <susie.meade@auckland.ac.nz>
Subject: RE: Fluoride study?

I think park that decision for the incoming. Because if we do they will say "What about ...?" the other serum type studies that we may not have seen as in scope



Professor Dame Juliet A. Gerrard DNZM HonFRSC FRSNZ
Prime Minister's Chief Science Advisor
Kaitohutohu Mātanga Pūtaiao Matua ki te Pirimia

From: s9(2)(a)
Sent: Monday, May 27, 2024 4:00 PM
To: Susie Meade <susie.meade@auckland.ac.nz>
Cc: Prime Minister's Chief Science Advisor <pmcsa@auckland.ac.nz>
Subject: Re: Fluoride study?

Susie,

Yes, I saw that on the slack. I guess we could but 1) it is maternal serum fluoride levels not drinking water (and no information on source of fluoride), 2) small sample and 3) the self reporting of early child behaviour from parents of a vague quality of behavior of which only a few points were significant. So I don't like the paper and don't see it tipping the dial much for or against fluoridation but then people will go "What about..." if we leave it out.

G

On Mon, May 27, 2024 at 3:03 PM Susie Meade <susie.meade@auckland.ac.nz> wrote:

Hi s9(2)(a)

A paper to consider for inclusion in our “Select papers brought to our attention since our review section”.


Published 20 May 2024

[https://jamanetwork.com/journals/jamanetworkopen/fullarticle/2818858?](https://jamanetwork.com/journals/jamanetworkopen/fullarticle/2818858?guestAccessKey=7cdc6a8e-b267-4016-9996-6190fbf490d5)

[guestAccessKey=7cdc6a8e-b267-4016-9996-6190fbf490d5](https://jamanetwork.com/journals/jamanetworkopen/fullarticle/2818858?guestAccessKey=7cdc6a8e-b267-4016-9996-6190fbf490d5)

S

s9(2)(a)



Released under the Official Information Act 1982

From: s9(2)(a)
To: [Juliet Gerrard](#)
Cc: [Susie Meade](#); s9(2)(a)
Subject: RE: Media request: Fact Check on Fluoride in water lowering children's IQs
Date: Tuesday, 16 July 2024 3:18:09 pm

You don't often get email from s9(2)(a) [Learn why this is important](#)

Thank you so much! I really appreciate it!

N.

From: Juliet Gerrard <j.gerrard@auckland.ac.nz>
Sent: Tuesday, July 16, 2024 2:11 PM
To: s9(2)(a) @royalsociety.org.nz>
Cc: Susie Meade <susie.meade@auckland.ac.nz>; s9(2)(a)
Subject: RE: Media request: Fact Check on Fluoride in water lowering children's IQs

Kia ora Nancy

Copying s9(2)(a) who was the person in my team who kept on top of these details. He is happy to have a look at it for you.

J

Professor Dame Juliet A. Gerrard DNZM HonFRSC FRSNZ
School of Biological Sciences and School of Chemical Sciences
University of Auckland | Waipapa Taumata Rau

From: s9(2)(a) @royalsociety.org.nz>
Sent: Tuesday, July 16, 2024 12:00 PM
To: Juliet Gerrard <j.gerrard@auckland.ac.nz>
Cc: Susie Meade <susie.meade@auckland.ac.nz>
Subject: Media request: Fact Check on Fluoride in water lowering children's IQs

You don't often get email from s9(2)(a) [Learn why this is important](#)

Kia ora Juliet

I hope you are well! We've had this request for fact checking about a fluoride post on Facebook for misinformation (which I was pleased to receive).

I reached out to s9(2)(a) who was our expert on our past report, but he said he has been so involved with Covid over the last few years that he isn't up to date on fluoride so he suggested I contact you, given the PMCSA's more recent report on fluoride. Could you respond to these questions or nominate someone to do? Thanks so much,

Ngā mihi

s9(2)(a)

From: s9(2)(a)

Sent: Friday, July 12, 2024 3:35 PM

To: s9(2)(a) <[s9\(2\)\(a\)@royalsociety.org.nz](mailto:s9(2)(a)@royalsociety.org.nz)>; enquiries <enquiries@royalsociety.org.nz>

Subject: Media request: Fact Check on Fluoride in water lowering children's IQs

s9(2)(a)
Hi

I'm getting in touch from AAP FactCheck, based in Australia.

We're a third-party fact-checking partner with Meta working to mitigate misinformation in Australia, New Zealand and the Pacific Islands.

We're looking into a claim in [Facebook posts](#) that fluoride in drinking water lowers children's IQs and specifically that [this 2022 US draft report](#) proves this.

I'm seeking expert comment on the claim and was wondering if the Royal Society itself or someone from within would be able to answer the following questions over email?

1. Is there any problems with using the 2022 NTP draft report to 'prove' fluoride in water lowers children's IQs?
2. Is there any link between a lower IQ and water fluoridation at normal or WHO recommended levels?
3. Should people be concerned about adverse effects of fluoride in drinking water in places like New Zealand?

Thanks very much in advance for your time.

Regards,

s9(2)(a)

s9(2)(a) www.aap.com.au

This email may contain information that is confidential. If you receive an email in error please delete it immediately.