

Peeler, Nancy (DHHS)

From: Mona Hanna-Attisha <MHanna1@hurleymc.com>
Sent: Tuesday, September 22, 2015 10:12 PM
To: Scott, Robert L. (DCH); Lawrence Reynolds; Laura Carravallah; Dr. Lawrence Reynolds, M.D.; MVALACAK@gchd.us; Hallwood, Dawn; Henry, James; Jenny LaChance; Holtrop, Teresa
Cc: Peeler, Nancy (DCH); Lishinski, Karen (DCH); Emily Houk (emily@r2pconsultants.com)
Subject: RE: Lead level data
Attachments: Pediatric Lead Exposure Flint Water.pdf

Bob,

I hope you are well and back in the office. Since we have been unable to obtain recent MCIR blood lead data for Flint kids in response to the lead in water concerns, we looked at all the blood lead levels that were processed through Hurley Medical Center from Jan 1, 2013. It turns out that most providers in Genesee county run their leads through our institution. Attached is a presentation that includes our striking pre-water switch (2013) and post-water switch results (2015) for kids less than 5 years living in the city of Flint (2.1% EBL to 4.0% EBL). Our pre and post periods included the same months considering the expected seasonal summer increase in lead levels. The results are most concerning for the kids that live in the zip codes where the water lead levels were found to be the highest (2.5% EBL to 6.3% EBL). No statistical change in %EBL for kids out of the city. Similar results were seen for kids less than 15 months. (Please do not share the presentation.)

Our sample size was large and our results were statistically significant; and we followed the same research methods conducted in the literature for similar lead exposures (most notably the DC lead in water issue). However, an even larger sample size which includes MCIR lead data would be very helpful as we continue to advocate for primary prevention. If we do have the MCIR data, for consistency and comparability to published research, we would like to conduct the analysis the same way as our above research. I am available via email or phone (cell [REDACTED]) if you have any questions about our data/methods/results and how best to move forward.

Thanks so much! Mona

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From: Mona Hanna-Attisha
Sent: Wednesday, September 16, 2015 11:28 AM

To: 'Scott, Robert L. (DCH)'; Lawrence Reynolds; Laura Carravallah; Dr. Lawrence Reynolds, M.D.
Cc: Peeler, Nancy (DCH); Lishinski, Karen (DCH); Emily Houk (emily@r2pconsultants.com)
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Thanks Bob for your willingness to get us this data!

At Hurley Children's Hospital, we have run similar analysis of BLL for all kids 5 and under, and then a focus on kids 15 months and under, with first time lead levels starting from 01/01/2013 to date of water source change 04/25/14 and then compared one year after water switch 4/25/15 to current. We looked at the change in mean BLL and the change in the % of EBL. Our sample size is representative of the high risk City of Flint population (zip codes 48501-48507), yet the sample size would be much greater with your MCIR data. To have more data will greatly help us advocate for prevention and educate our families.

Thank you in advance!

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HURLEY
CHILDREN'S
HOSPITAL

From: Scott, Robert L. (DCH) [mailto:ScottR9@michigan.gov]
Sent: Wednesday, September 16, 2015 10:48 AM
To: Lawrence Reynolds; Mona Hanna-Attisha; Laura Carravallah; Dr. Lawrence Reynolds, M.D.
Cc: Peeler, Nancy (DCH); Lishinski, Karen (DCH); Emily Houk (emily@r2pconsultants.com); Scott, Robert L. (DCH)
Subject: RE: Lead level data

Dr. Reynolds,

I'll be happy to slice up the data in that way, including the most recent months available. I'll be out of the office for the next few days, but will work on it when I get back.

It's my understanding that the State will develop a fact sheet as well as a tip sheet on lead-safe water use for parents. I'm not sure how they'll be made public.

Thanks,
 Bob

Robert L. Scott