
From: Stanbury, Martha (DHHS)
Sent: Sunday, December 27, 2015 2:06 PM
To: Scott, Robert L. (DHHS)
Subject: FW: UPDATE: Flint map randomization
Attachments: Flint EBL 2010-2014 Randomized GeoRef 2015Dec22.pdf

Let's discuss. (Does it look strange to have so many points outside of Flint proper?)

From: Maqsood, Junaid (DHHS)
Sent: Tuesday, December 22, 2015 4:07 PM
To: Scott, Robert L. (DHHS) <ScottR9@michigan.gov>; Stanbury, Martha (DHHS) <stanburym@michigan.gov>
Subject: RE: UPDATE: Flint map randomization

Here's another version of the map. I used a slightly different randomization method that Ed mentioned. Either this map or the one I sent in my previous e-mail is fine to use.

From: Maqsood, Junaid (DHHS)
Sent: Tuesday, December 22, 2015 2:12 PM
To: Scott, Robert L. (DHHS) <ScottR9@michigan.gov>; Stanbury, Martha (DHHS) <stanburym@michigan.gov>
Subject: UPDATE: Flint map randomization

Martha and Bob,

Attached is a new map of EBL cases in Flint randomized by a method used by Ed Hartwick. It's better than the previous map I generated where cases were scattered at random throughout the city. In the revised map, cases were shifted slightly from their original point so some of the clustering still holds up. This is probably the final map that GCHD could use for their presentation.

Let me know if you have any questions or if you want to discuss.

Thank you,
 Junaid

From: Scott, Robert L. (DHHS)
Sent: Wednesday, December 16, 2015 2:43 PM
To: Maqsood, Junaid (DHHS) <MaqsoodJ@michigan.gov>; Stanbury, Martha (DHHS) <stanburym@michigan.gov>
Subject: RE: Flint map with randomized points

OK, thanks.

From: Maqsood, Junaid (DHHS)
Sent: Wednesday, December 16, 2015 2:26 PM
To: Stanbury, Martha (DHHS) <stanburym@michigan.gov>; Scott, Robert L. (DHHS) <ScottR9@michigan.gov>
Subject: RE: Flint map with randomized points

I'm going to try to randomize points by City (Flint) and zip code (only zip codes in city of Flint) rather than just zip code -- perhaps the output will be better? I will get the new map out sometime tomorrow.

From: Maqsood, Junaid (DHHS)
Sent: Wednesday, December 16, 2015 1:33 PM
To: Stanbury, Martha (DHHS) <stanburym@michigan.gov>; Scott, Robert L. (DHHS) <ScottR9@michigan.gov>
Subject: Flint map with randomized points

Martha and Bob,

Attached is the map of Flint with points randomized by zip code, meaning I calculated the # of cases with BLL between 5 and 9 ug/dL (inclusive) and with BLL ≥ 10 ug/dL for each zip code and plotted the same number of cases per zip code in random locations within the zip code boundary. Unfortunately, as we originally suspected, the clustering of cases depicted in the original map (also attached) is lost with this randomization.

Junaid