

From: Maqsood, Junaid (DHHS)  
 Sent: Monday, December 14, 2015 12:58 PM  
 To: Scott, Robert L. (DHHS) <ScottR9@michigan.gov>  
 Subject: RE: PDF map of flint

Thanks Bob! I will let you know if I have any questions.

From: Scott, Robert L. (DHHS)  
 Sent: Monday, December 14, 2015 12:56 PM  
 To: Maqsood, Junaid (DHHS) <MaqsoodJ@michigan.gov>  
 Cc: Stanbury, Martha (DHHS) <stanburym@michigan.gov>  
 Subject: RE: PDF map of flint

Junaid,

Please see attached: the ArcGIS file itself, plus a zipfile with all related shapefiles. Also the PDF so you can see what's it looks like.

Let me know if you have questions.

Thanks,  
 Bob

From: Stanbury, Martha (DHHS)  
 Sent: Monday, December 14, 2015 12:11 PM  
 To: Scott, Robert L. (DHHS) <ScottR9@michigan.gov>  
 Cc: Maqsood, Junaid (DHHS) <MaqsoodJ@michigan.gov>  
 Subject: FW: PDF map of flint

Can you get Junaid the map and he'll try doing the randomization.

From: Maqsood, Junaid (DHHS)  
 Sent: Monday, December 14, 2015 11:27 AM  
 To: Stanbury, Martha (DHHS) <stanburym@michigan.gov>  
 Subject: RE: PDF map of flint

I looked up how to do randomization in GIS and think I might have found a way  
 (<http://forums.esri.com/Thread.asp?c=93&f=1113&t=280712&mc=4#msgid869058>).

I can give it a try if I can access Bob's map document.

From: Stanbury, Martha (DHHS)  
 Sent: Monday, December 14, 2015 10:10 AM  
 To: Maqsood, Junaid (DHHS) <MaqsoodJ@michigan.gov>  
 Subject: FW: PDF map of flint

See below – and I'll stop by.

From: Dykema, Linda D. (DHHS)  
 Sent: Monday, December 14, 2015 8:29 AM  
 To: Miller, Corinne (DHHS) <MillerC39@michigan.gov>

Cc: Stanbury, Martha (DHHS) <stanburym@michigan.gov>; Scott, Robert L. (DHHS) <ScottR9@michigan.gov>  
 Subject: RE: PDF map of flint

Randomization seems the best, most data protective option. Martha, can Junaid handle this or do we need some assistance from the 5th floor?

From: Miller, Corinne (DHHS)  
 Sent: Friday, December 11, 2015 2:19 PM  
 To: Dykema, Linda D. (DHHS) <DykemaL@michigan.gov>  
 Cc: Stanbury, Martha (DHHS) <stanburym@michigan.gov>; Scott, Robert L. (DHHS) <ScottR9@michigan.gov>  
 Subject: RE: PDF map of flint

If the observations are geocoded to the street address, I would be uncomfortable sharing it as part of a public presentation except under three options:

- 1) The "point" is randomized. That can be done and still preserve clustering, which is what I think the county wants to show. The map label can indicate that the locations have been adjusted for confidentiality purposes. Someone on the fifth floor could help with randomization if needed.
- 2) Have attendees sign a confidentiality agreement but that is not going to be possible if there are more than a handful in the audience.
- 3) Show the map for a limited amount of time but attendees are not provided a hard copy and the map is not posted on a web site.

It helps that the data cover multiple years.

Option 1 is preferred for a public presentation. Option 3 is also doable. If the presentation is just to health department staff I don't see a problem in presenting the information as is.

From: Dykema, Linda D. (DHHS)  
 Sent: Friday, December 11, 2015 8:42 AM  
 To: Miller, Corinne (DHHS) <MillerC39@michigan.gov>  
 Cc: Stanbury, Martha (DHHS) <stanburym@michigan.gov>; Scott, Robert L. (DHHS) <ScottR9@michigan.gov>  
 Subject: FW: PDF map of flint

Corinne,

Please see the attached map. I don't see it as violating confidentiality, but I've no expertise in this. Should this be sent to Colin Boes or someone else for confirmation that it's ok to present?

Linda

From: Stanbury, Martha (DHHS)  
 Sent: Thursday, December 10, 2015 5:38 PM  
 To: Dykema, Linda D. (DHHS) <DykemaL@michigan.gov>  
 Cc: Scott, Robert L. (DHHS) <ScottR9@michigan.gov>  
 Subject: FW: PDF map of flint

GCHD requested a map with kids with elevated BLLs. They want to use it in a presentation, as I understand it.. Please see attached. Does this violate confidentiality?

From: Scott, Robert L. (DHHS)  
 Sent: Thursday, December 10, 2015 5:32 PM  
 To: Stanbury, Martha (DHHS) <stanburym@michigan.gov>