

Flint Town Hall

January 11, 2017

Flint Hospital 2015 vs. 2016



2015: Flint River without Corrosion Control



2016: Detroit Water with Enhanced Corrosion Control

Photographs: Zhu "Joyce" Ni, Min Tang, Pan Ji, Mariah Gnegy

Press Conference December 2016

- Lead in water levels in VT sampling overseen by Flint residents, in agreement with recent EPA and MDEQ results
- *Legionella* colonization rates in Flint homes were low relative to levels of concern identified elsewhere
- No *Shigella* in 150 samples of Flint homes collected during peak of 2016 outbreak
- 4th Round of Disinfection By-Product monitoring overseen by Dr. Sue Richardson (University of South Carolina), did not find high DBP levels relative to other cities or regulations

What are normal levels of *Enterobacteriaceae* in potable water?

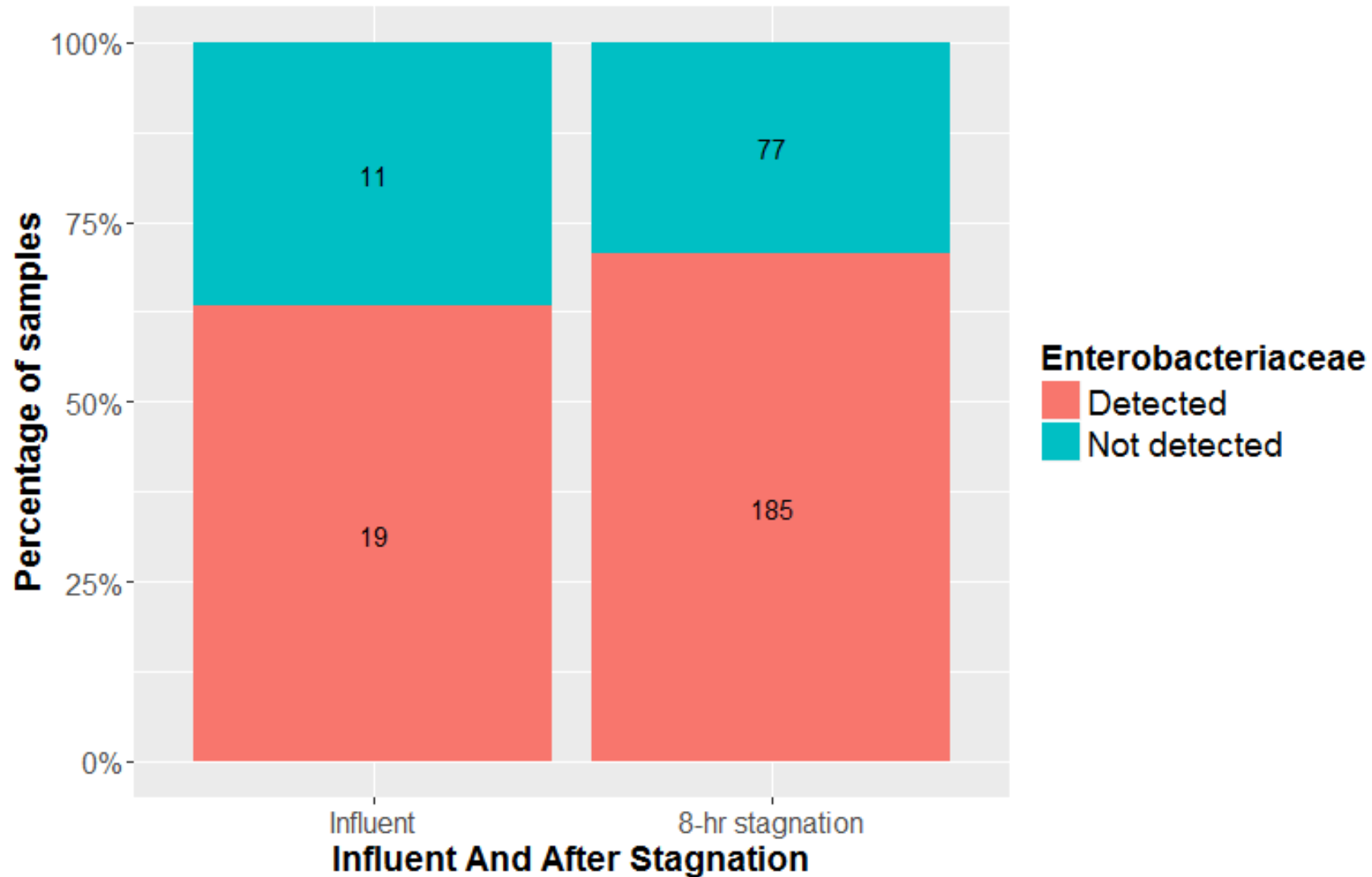
**Impact of Water Chemistry, Pipe Material
and Stagnation on the Building Plumbing
Microbiome**

**Pan Ji, Jeffrey Parks, Marc A. Edwards,
Amy Pruden**

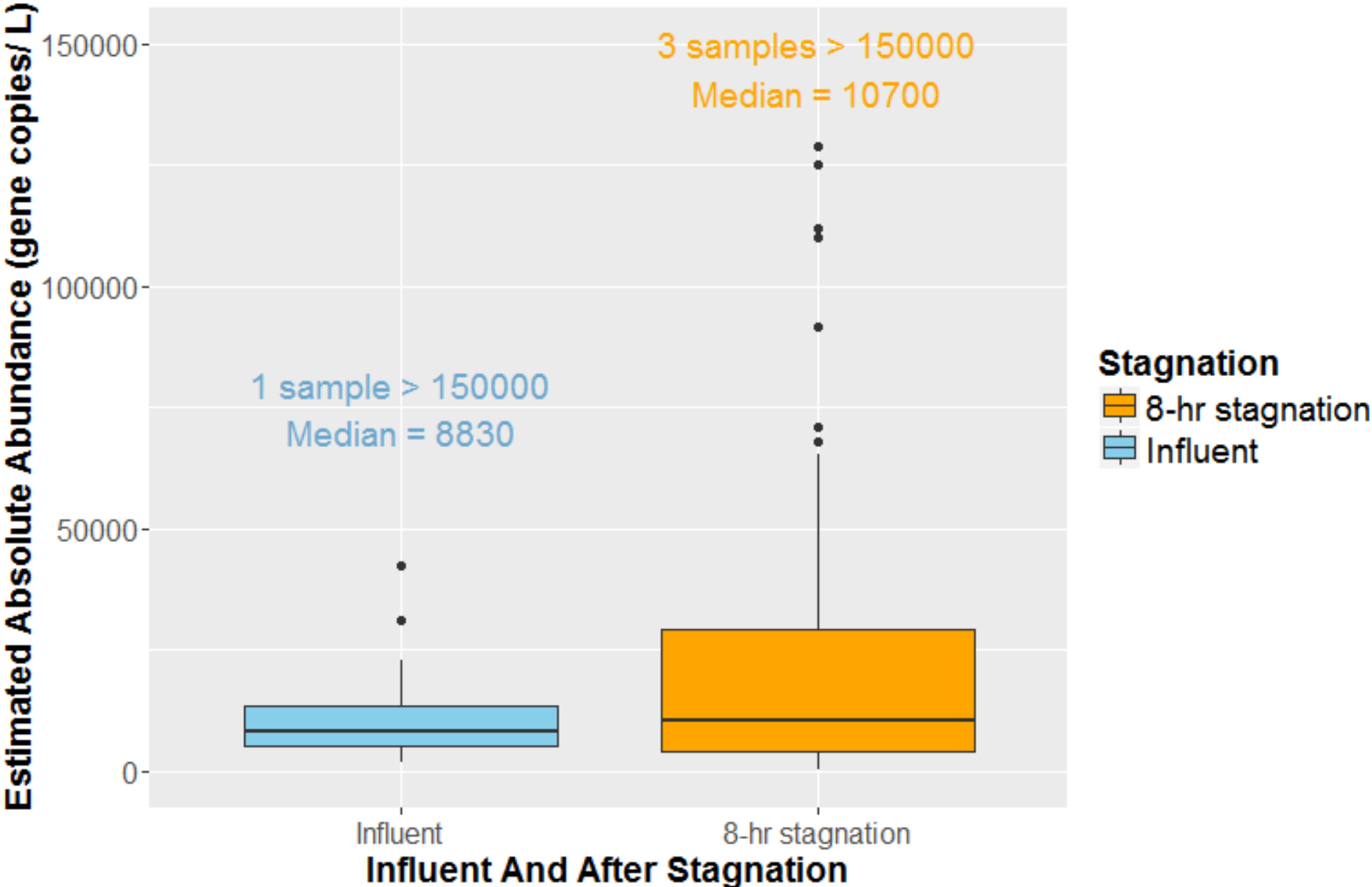
*



Over 62% water samples in our survey (not Michigan) were *Enterobacteriaceae* positive.



Estimated absolute abundance of *Enterobacteriaceae* family in the positive samples.



Pan Ji. Field drinking water survey at 5 water utilities across U.S. 16S rRNA amplicon sequencing data and 16S qPCR data