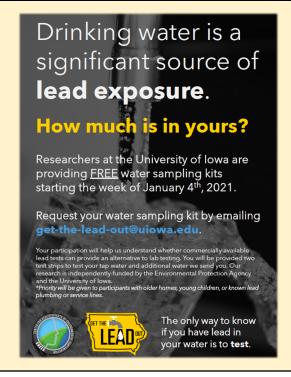




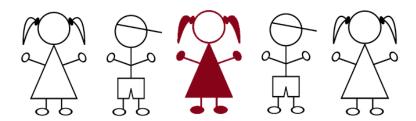
And, we are **measuring lead** in lowans' drinking water in their homes.





3

1 in 5 Iowa newborns are born with EBLL.



Rural populations are at as great of risk of EBLL as are urban populations.

Carrel, 2017

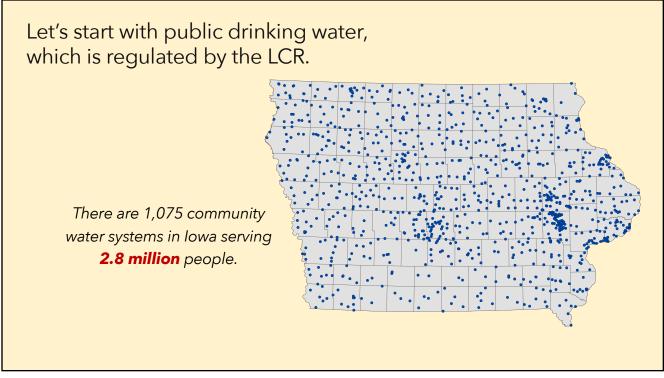
Δ



We *can* address lead in lowans' drinking water.

- 1. Promote **home testing** of high risk homes.
- 2. Digitally map **LSLs** and make them available.
- 3. Make lead water testing eligible for **Grants to Counties** funding.
- 4. Intervene at blood lead level of **5 ug/dL** (CDC) and test home water.
- 5. Promote **Filter First** legislation.

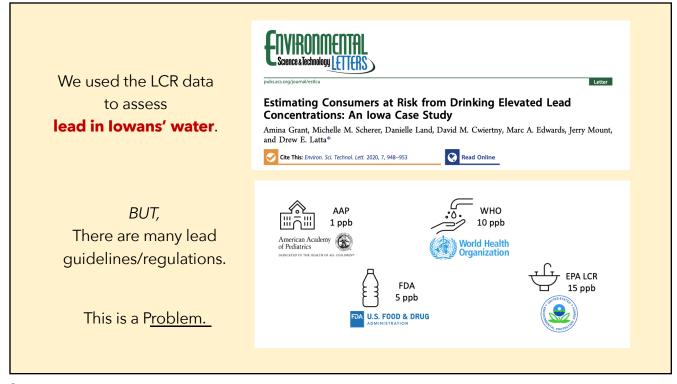
5



Community water systems in Iowa annually sample about **0.5%** of the **1.15 million households** on public water as part of LCR compliance.

So, we have **166,607** LCR lead measurements in lowa from the last 29 years.

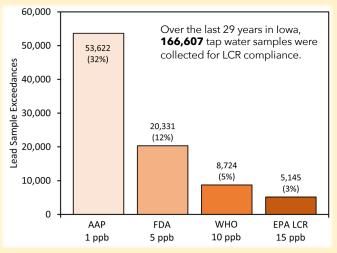
7



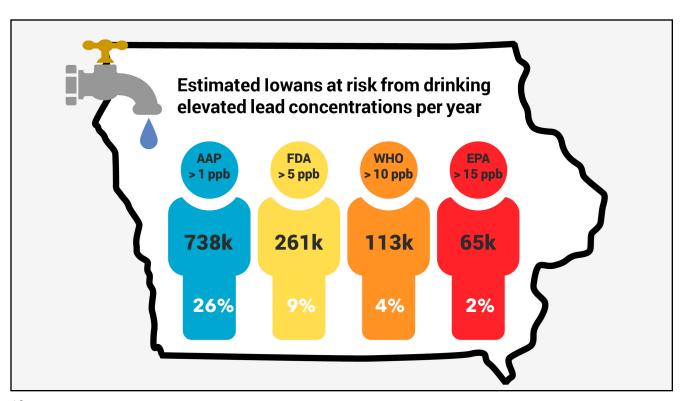
From the LCR data, we know lowans are drinking water with lead above lead guidelines/regulations.

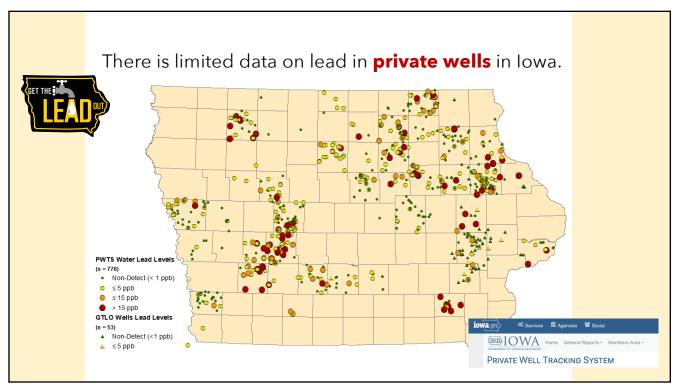
% of taps tested by LCR

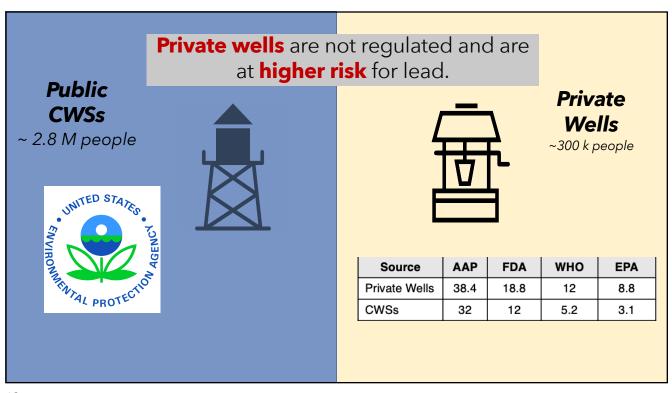
- **3%** > EPA's LCR action level of 15 ppb.
- **5%** > WHO's 10 ppb guideline.
- **12%** > FDA & Canada regulation of 5 ppb.
- **32%** > AAP guideline for schools of 1 ppb.
- **48%** < 1 ppb.

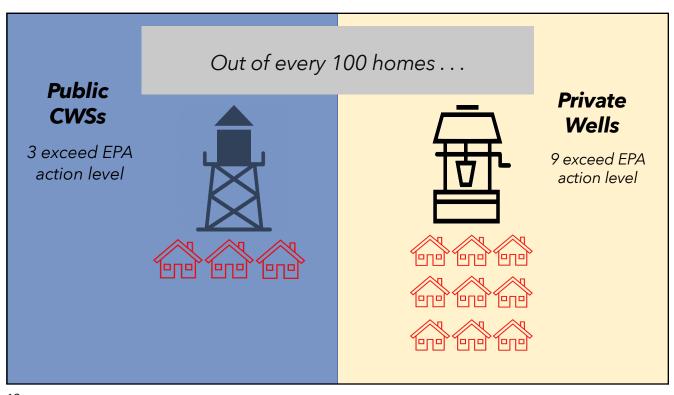


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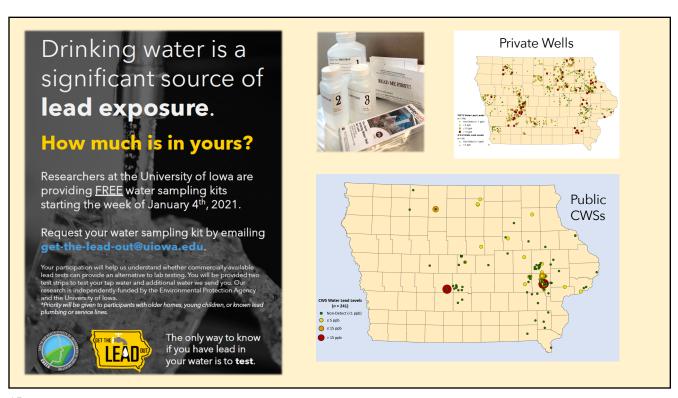














get-the-lead-out@uiowa.edu



Michelle Scherer michelle-scherer@uiowa.edu 319.335.5654

